

Residential College

■ Background

Residential College is designed to combine the strengths of a small college atmosphere with the resources of a large, academically diverse university. Participating students live together, eat together, take at least one course per quarter in common, participate in social activities together and make use of an on-site academic advisor/faculty mentor. Launched in Fall 1994 with 94 students from the College of Liberal Arts (CLA) and the Institute of Technology (IT), it grew to 160 students in its second year and is expected to include 300 students for the 1996-97 school year.

■ Facilities

During its first two years, Residential College students were housed in Territorial and Sanford Hall. While some students will continue to be housed in those dorms, ground was broken in December 1995 for a new Residential College Building on the corner of Delaware and Ontario streets, not far from Territorial Hall. Scheduled for completion by September 1996, the apartment-style housing will be home to 170 students—freshmen, sophomores, and juniors—and will have two classrooms, a computer room and individual and group study rooms. Residents will be required to sign a nine-month academic year lease.

Construction of the new facility is the result of a public-private partnership between the University, which will run all the programs, and Dinnaken Properties, which will construct and maintain the building. Dinnaken, a private corporation, operates two other apartment buildings near the east bank campus: Dinnaken House, for undergraduate students, and Tairrie House, for graduate students and faculty members.

■ Cost

There is no additional cost to students beyond the University's usual tuition and the cost of room and board. Students living in the new Residential College building will have a choice of purchasing a meal plan or preparing their own food in their apartments, all of which will have kitchens.

■ Leadership

Day to day activities of Residential College are overseen by coordinator Terri Peterson. Three distinguished University faculty members serve as mentors, holding advising hours in the dorms and eating with the students regularly: Marvin Marshak, chair of the faculty mentors and professor of physics and astronomy in the IT; Gayle Graham Yates, associate professor of American Studies in CLA; and Gail Peterson, associate psychology professor in CLA.

■ Contacts

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- Marvin Marshak, chair, faculty mentors, (612) 624-6062
- Yvonne Grosulak,, Dinnaken Properties, (612) 623-3634

1/3/96 bb

U OF M REGENTS TO HOLD SPECIAL MEETING ON HOSPITAL ISSUES

The University of Minnesota board of regents will hold a special meeting on the human resource issues of a proposed affiliation between the university and Fairview Health Systems (FHS). **The meeting is scheduled for 8 a.m. Tuesday, Jan. 9, in 238 Morrill Hall.**

Last November, officials from the university and FHS signed a letter of intent to pursue an affiliation, which allowed negotiations on final contracts to start. A memorandum of understanding (MOU), a non-binding agreement to pursue further discussions, is the next step in the process. Regents will vote on the MOU at their monthly meeting Friday, Jan. 12.

Details on the agenda for the regular monthly meetings will be contained in an advisory to be mailed later this week.

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DAVID DUNN NAMED SURGERY CHIEF AT U OF MINNESOTA

David Dunn has been named head of the University of Minnesota Medical School's Department of Surgery. Dunn, who has served as interim department head since May, was appointed by Dean Frank Cerra, following a nationwide search.

A 1977 graduate of the University of Michigan Medical School, Dunn is an internationally known authority on surgical infectious diseases, transplantation, general surgery and surgical education. He has been at the University since 1977, when he began his residency in general surgery. He completed that residency in 1985, as well as a doctorate in microbiology. Following a yearlong transplantation fellowship, Dunn joined the Department of Surgery faculty in 1986.

During his tenure as head of the surgery department's division of surgical infectious diseases, Dunn developed one of the nation's leading clinical, research and training programs in that area. He has received extensive funding support from the National Institutes of Health (NIH) and other national agencies for his research. His publications include more than 300 professional papers, book chapters, abstracts and books in the areas of surgical infectious diseases, transplantation and general surgery. His national leadership positions include the presidencies of the Surgical Infection Society, the Association for Academic Surgery and the Society of University Surgeons. Dunn also directs the Department of Surgery's graduate studies and residency programs.

"David Dunn is a distinguished surgeon, internationally renowned scientist and outstanding surgical educator," said Cerra. "He possesses the kind of effective leadership skills needed for this Medical School at this time in its history." Cerra said Dunn has been recruited extensively for similar positions at other medical schools.

Dunn said he was "honored to accept this position, particularly at this crucial point in the history of our Medical School. It is a time not only to build upon the distinguished accomplishments of the past, but to foster our growth through hard work, vision and leadership," he said.

Dunn's appointment is effective immediately. As permanent head, he succeeds Dr. John Najarian, who resigned his position in February 1993.

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Media note: Embargoed by *Cancer Epidemiology, Biomarkers and Prevention* for both print and electronic media until 5 p.m. CST Jan. 10. Vincent Garry is available for interviews at (612) 627-4235.

CHROMOSOME ABNORMALITIES LINKED TO NON-HODGKIN'S LYMPHOMA FOUND AMONG PESTICIDE WORKERS, U OF MINNESOTA REPORTS

Chromosomal abnormalities that may signal an increased risk of non-Hodgkin's lymphoma have been found among farm pesticide applicators, University of Minnesota researchers report.

In a study of 61 pesticide applicators in Minnesota and 33 unexposed control subjects, the researchers found various breaks on chromosomes 14 and 18 among the pesticide applicators. The applicators included 20 who applied herbicides, 18 who worked with insecticides and 23 who applied fumigants.

Abnormalities on these chromosomes have been linked in previous studies to an increased risk of non-Hodgkin's lymphoma, which affects more than 7,000 Americans every year. Specifically, 11 breaks and rearrangements of defined areas of chromosome 14 were found among 9 of the fumigant applicators, and 9 similar abnormalities were found on chromosome 18 among 6 herbicide workers. No non-Hodgkin's lymphoma-related abnormalities of chromosomes 14 and 18 were found among the control subjects.

"The work we have done shows that pesticide applicators can undergo temporary chromosome damage at sites that can be associated with certain cancer and birth defect risk," said Vincent Garry, professor of laboratory medicine and pathology and the study's principal investigator. "Whether the findings truly extend to long-term health effects needs thorough examination."

Earlier studies headed by Garry showed that grain fumigant workers who were exposed to phosphine and a combination of other pesticides had a large number of abnormalities on chromosome 14.

The study was published in the January/February issue of *Cancer Epidemiology, Biomarkers and Prevention*.

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News Release

Media note: Hasselmo, Brody and Norling will be available to reporters at noon today (Jan. 13) in room 238 Morrill Hall.

REGENTS APPROVE NEXT STEP IN UNIVERSITY/FAIRVIEW HEALTH SYSTEM INTEGRATION

The University of Minnesota board of regents today approved a memorandum of understanding (MOU) that would allow the university to proceed with negotiations toward a proposed integration of University of Minnesota Hospital and Clinic (UMHC) and Fairview Health System (FHS). The MOU is a non-binding agreement that provides a benchmark for continuing negotiations between the university and FHS. If a definitive agreement is reached, the proposed integration would consolidate UMHC and FHS's health care and medical services.

Key points of the MOU include:

- A commitment to preserve the university's education and research mission.
- An agreement to combine certain operations, programs and assets of the UMHC and the operations, programs and assets of Fairview Riverside Medical Center into an operating division of the FHS. The consolidated campus entity will be a division of the FHS with its own name and own board of trustees that will oversee the division's day-to-day management.
- Principles for human resource management addressing such issues as communications, compensation, benefits and labor relations.

"The integration of the university's hospital and clinics with Fairview Health System represents the university's most significant public/private partnership to date," said University President Nils Hasselmo. "The university community and the citizens of Minnesota must be assured that, first and foremost, the resulting affiliation will protect the university's core mission of education and research and provide the university with the patient base it needs."

"This agreement is a significant step forward in the Academic Health Center's efforts to meet its crucial, dramatic and urgent need for a stable patient base to support our research and teaching missions," said William Brody, Academic Health Center provost.

FHS's board of directors approved the MOU Thursday, Jan. 11.

"We are extremely pleased with the university and Fairview's progress to create a new health system to benefit the people of Minnesota," said Richard Norling, FHS president and CEO. "With Fairview's strengths in community health and the university's strength in research and education, this new system promises a quality, comprehensive approach to improving population health that will endure and flourish as we move forward in these times of rapidly changing health care."

Details of the proposed integration will be determined in ongoing negotiations that will include thorough legal and financial reviews. The target date for a definitive agreement is June 30, 1996.

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CHIROPRACTIC TREATMENT OF HYPERTENSION TOPIC OF NEW U OF M STUDY

The possibility that spinal manipulation combined with changes in diet can affect blood pressure is the subject of a study being launched by the University of Minnesota Medical School's cardiovascular division, Northwestern College of Chiropractic in Bloomington and Allina Health System's Berman Center for Clinical Research.

Participants in the study will receive four weeks of either chiropractic spinal manipulation with a self-managed diet, or a self-managed diet alone.

The study will be carried out in five metro area chiropractic offices in Brooklyn Park, Plymouth, Richfield, St. Paul and the Uptown area of Minneapolis. Volunteers must be between the ages of 25 and 60, cannot be taking more than one blood pressure medication, cannot have had a blood pressure treatment change within the last three months, and cannot have seen a chiropractor within the last six months.

The study's principal investigator is Richard Grimm, a professor in the university's cardiovascular division. Co-principal investigator Christine Goertz is a post-doctoral fellow and student at the university's Institute for Health Services Research. The research team also includes Chuck Sawyer and James Hulbert from the Northwestern College of Chiropractics.

To participate or for more information, call the Berman Center at (612) 336-5762.

"Hopefully, this type of collaboration between allopathic and chiropractic physicians will become more common as public interest in all types of alternative therapies continues to increase," said Dr. Goertz.

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U OF M PRESIDENT TO THANK PIZZERIA, CHOW DOWN FOR LUNCH

University of Minnesota President Nils Hasselmo and Vice President for Student Development and Athletics McKinley Boston will present a Certificate of Appreciation to Campus Pizza owner Greg Rosvold, thanking him for having served free turkey dinners to students and campus community members last Thanksgiving. They'll make the presentation at 11 a.m. Friday, Jan. 26, at Campus Pizza, 818 Washington Ave. S.E. Afterwards, Hasselmo and Boston will chow down on a large pizza with pepperoni and mushrooms and no anchovies.

Rosvold and some 15 friends and family members served up turkey, potatoes and pumpkin pie to more than 260 people on Thanksgiving Day. "We thought it would be a good experience for us, as well as a help to the community," he said. "And it was! We had a great time."

"Many students can't get home for Thanksgiving, either because they can't afford it or because their work and study schedules won't allow it," said Vice President Boston. "To be able to sit down with other students for a traditional Thanksgiving dinner, and to get it for free, was a great way for them to feel a touch of home away from home."

"It was a tremendous gesture on the part of Greg and his crew," said President Hasselmo. "That's what community is all about."

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NIXON MANIPULATED PUBLIC POLLS, U OF M RESEARCHER SAYS

The Nixon Administration's influence on the Gallup and Harris polling organizations affected the wording of poll questions, the timing of their release and, in at least one case, actual results, according to research by professors Lawrence Jacobs of the University of Minnesota and Robert Shapiro of Columbia University. The study is based on an exhaustive review of public White House records, interviews with major players like Lou Harris and George Gallup Jr. and examination of newspaper columns written by the pollsters at the time.

In 1971, Lou Harris conducted a late October poll showing President Nixon with a 56 percent approval rating. A subsequent poll in early November showed 49 percent approval. "We suffered a precipitous decline between the two polls," Nixon aide Charles Colson wrote in an internal memo, "and rather than show us up one week and down the next, Harris, at my suggestion, combined the poll data" (averaging the two figures).

"The effect of averaging was to obscure the downward trend in Nixon's popularity," said Jacobs, who directed the study. "Not surprisingly, the major newspapers highlighted the president's favorable 'gains' rather than his recent slippage."

The administration's secret dealings with Harris are especially surprising, said Jacobs, because Harris was known as a "Democratic" pollster and had worked for John F. Kennedy. But archival evidence suggests that Harris met routinely with Nixon staffers, who on several occasions convinced him to squelch, bury or change unfavorable results.

During Nixon's 1972 re-election drive, for example, one Harris poll showed the President tied with Edmund Muskie in a three-way race that included George Wallace, but trailing Muskie in a two-way face-off. The two-way results were not mentioned by Harris in his news release, apparently due in part to White House pressure, Jacobs said. In an internal memo, Nixon aide Charles Colson assured his superiors that Harris "agreed with me that it would be better not printed."

Nixon was not the first president who tried to influence public pollsters, nor was he the last. Harris and Gallup officials say they've cooperated with every president who approached them, including Bill Clinton, because they consider it a public service. But Jacobs contends that such close contacts "create an unmistakable appearance, even if White House pressure is resisted, that contradicts pollsters' declarations of impartiality and nonpartisanship. The country's leading pollsters are violating their own professional standards. At risk is the public's trust of polls to be fair and impartial."

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MUSIC CELEBRITIES TO PARTICIPATE IN U OF M'S GRAMMY IN THE SCHOOLS

Minnesota Orchestra conductor Eiji Oue, producers Jimmy "Jam" Harris and Gary Hines and jazz singer Connie Evingson will be among the top local musicians to participate in *Grammy in the Schools*, an all-day program for high school students interested in music careers Wednesday, Jan. 31, in the University of Minnesota's Ted Mann Concert Hall on the west bank campus.

Presented by the university's School of Music in cooperation with the National Academy of Recording Artists and Sciences, the event will expose more than 1,100 students from Minnesota and Wisconsin to a variety of career opportunities in the music profession through master classes, workshops and panel discussions. Some of the topics to be covered include: "Making a Career as a Classical Musician" by Oue; "How to Write a Hit Song" by Hines; "How to Make a Living as a Jazz Singer" by Evingson; "Recording Techniques: Inside the Sound Booth" by recording engineer Dik Shopteau; and "Music for Television Commercials and Films" by producer Herb Pilhofer.

The University of Minnesota Jazz Ensemble and Singers and the Regional Grammy All-Star High School Jazz Band and Choir, both under the direction of university music professor Ron McCurdy, are scheduled to perform.

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FAMILIES WITH ASTHMA NEEDED FOR U OF M STUDY

Families with asthma are needed for the Nuclear Family Collection for the Study of the Genetics of Asthma at the University of Minnesota.

Potential participants can apply by telephone, and those qualifying will be invited to the Clinical Research Center for lung function, and allergy skin testing and a blood test. People who have smoked one pack of cigarettes a day for five years or more will be excluded from the study.

Participants will be paid up to \$75. For further information, call Mary Ricci at (612) 626-4031.

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U OF M GRADUATE TO RECEIVE ACHIEVEMENT AWARD FEB. 2

Lowell Anderson, a 1962 University of Minnesota College of Pharmacy graduate, will receive the university's highest alumni honor, the Outstanding Achievement Award, Friday, Feb 2. Anderson will be honored at a reception at 3:30 p.m. and at a formal program at 4 p.m. in the Weisman Art Museum on the Minneapolis Campus.

Anderson is president of the Falcon Heights-based Watauga Corp. and is former president of the American Pharmaceutical Association and the Minnesota Pharmacists Association. He recently served as special assistant to College of Pharmacy's interim dean Larry Weaver and acted as a communication liaison for the college's faculty and staff.

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RICHARD CLENDENEN, FORMER U OF MINNESOTA PROFESSOR, DIES

Richard Clendenen, a retired professor of law and social work at the University of Minnesota, died Sunday, Feb. 4, in Forest Lake. The cause of death was a variety of age-related ailments, according to his son Charles.

Born March 16, 1915 in La Porte, Ind., Clendenen received a bachelor's degree from Indiana University in 1941 and a master's degree from Case Western Reserve University in 1947. He began his career as a caseworker at Indiana Boys' School in Plainfield, Ind., and worked six years for the U.S. Children's Bureau in Washington, D.C., serving as chief of the Juvenile Delinquency Branch from 1951 to 1953. He then served for two years as director of the U.S. Senate Subcommittee to Investigate Juvenile Delinquency. Clendenen taught in the Ohio State University School of Social Work from 1957 to 1960 and served as commissioner of child welfare for the state of Kentucky for five years before joining the University of Minnesota faculty in 1965. At Minnesota, he held appointments as professor of law and adjunct professor of social work, retiring in 1984.

While on the Minnesota faculty, Clendenen began a summer educational program for police officers who dealt with juvenile offenders. He also founded Project Newgate, a halfway house program for inmates from penitentiaries in Stillwater and St. Cloud. Newgate has since evolved into a nonprofit education program to give training in auto body repair to high school students experiencing school-related difficulties.

Clendenen also was instrumental in shaping current Minnesota juvenile law. He served as executive director of a 17-member panel of experts that studied the juvenile court system in 1975 and 1976. The panel's report in December 1976 produced several recommendations for reforms, with emphasis on rehabilitation. He also was executive director of the Supreme Court Juvenile Justice Study Commission, which in 1982 recommended abolishing the term "status offender" for juveniles whose "delinquent" behavior wouldn't be considered criminal for an adult.

Clendenen was preceded in death by his wife, Ann. He is survived by sons Charles of Minneapolis and Barry of St. Paul; daughter Kathleen Lund of Forest Lake; seven grandchildren; and three great-grandchildren. Visitation will be from 5 to 8 p.m. Tuesday, and a funeral will be held at 11 a.m. Wednesday, both at Mattson Funeral Home in Forest Lake. Memorials may be made to the Richard Clendenen Memorial Fund c/o Charles Clendenen, 2508 Colfax Ave. S., Minneapolis, MN 55405.

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Media note: At the conclusion of Friday's board of regents meeting, a media briefing will be held with university President Nils Hasselmo and Tom Reagan, chair of the board, in 238 Morrill Hall.

FINANCIAL AID PACKAGING, MINORITY STUDENT REPORT ON U OF M REGENTS AGENDA THIS WEEK

The University of Minnesota board of regents will discuss a financial aid packaging policy for Twin Cities campus students, designed to be simpler and more efficient, as part of its regular monthly meetings this Wednesday, Thursday and Friday, Feb. 7, 8 and 9. Other meeting highlights include an update on progress in recruiting and retaining students of color, a status report on outside funding of university research and a comparison of university tenure policy with other institutions.

The proposed financial aid policy aims to give students stable awards over multiple years, assuming satisfactory academic performance, to simplify their long-range financial planning. High-ability students with financial need and students with high financial need would get larger awards than in the past. The proposal also gives greater benefits to Minnesota residents.

The students of color report shows that the university's minority enrollment increased from 9.9 percent in 1993 to 11 percent in 1995. Of this year's freshmen who graduated in the top quartile of their high school classes, nearly 14 percent are students of color. But the report states that the university needs to improve its retention and graduation rates for minority students if it hopes to meet the diversity goals of *University 2000*, its long-range strategic plan.

The amount of outside research money awarded to the university in 1995 was \$409.5 million, an increase of \$150 million, or almost 60 percent, from the previous year. Three-quarters of the total comes from federal sources, with the rest from business and industry, private foundations and the state of Minnesota.

Here's a schedule of committee meetings and a sample of agenda items:

Wednesday, Feb. 7

- 2 p.m. Faculty, staff and student affairs, 238 Morrill Hall. Discussion of tenure code in comparison with other institutions.

Thursday, Feb. 8

- 8:30 a.m. Facilities, 300 Morrill. Tour of high-priority capital needs.
- 9:30 a.m. Faculty, staff and student affairs, 238 Morrill. Financial aid packaging report, annual students of color report.
- 1:45 p.m. Financial operations, 300 Morrill. Discussion of proposed extension of contract with Cray Research for supercomputing.
- 1:45 p.m. Educational planning and policy, 238 Morrill. Student Development and Athletics Office report.
- 4 p.m. Board of regents, 238 Morrill. Non-public meeting to discuss attorney-client privileged matters.

Friday, Feb. 9

- 8 a.m. Committee of the whole, 238 Morrill. Annual report on status of university research.
- After committee of the whole, board of regents, 238 Morrill.

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U OF M REGENTS TO DISCUSS GRANTS MANAGEMENT AT MEETINGS THIS WEEK.

The University of Minnesota board of regents will hear two reports on the university's management of research grants during the board's monthly meetings this Wednesday, Thursday and Friday, March 6, 7 and 8. Other meeting highlights include a status report on tenure code revision discussions, an update on negotiations to affiliate with Fairview Health Systems and a review of plans to build a Gateway/Alumni Center for the Twin Cities campus.

The grants management reports will be presented to the audit committee Thursday. One is a Coopers & Lybrand audit that found no pattern of inappropriate activities but pinpointed four issues that "increase the risk of non-compliance" with regulations. The other is a report from the National Institutes of Health on a site visit last November. "The university has done an impressive job in identifying problems," the report said, but must "develop means for more effective administration."

The proposed Gateway/Alumni Center, intended to "create a true gateway to the Twin Cities campus" for alumni and visitors, would be constructed on Oak Street between University and Washington avenues, contingent on private fundraising. It would house the Alumni Association, the University of Minnesota Foundation and the Minnesota Medical Foundation.

Here's a schedule of committee meetings and a sample of agenda items:

Wednesday, March 6

- 1:30 p.m. Litigation review, 300 Morrill. Non-public meeting to discuss attorney-client privileged matters.

Thursday, March 7

- 8 a.m. Audit, 238 Morrill. Grants management reports.
- 10:15 a.m. Financial operations, 300 Morrill.
- 10:15 a.m. Educational planning and policy, 238 Morrill. Arts, Sciences and Engineering pre-budget status report.
- 2:15 p.m. Faculty, staff and student affairs, 300 Morrill. Tenure code revision status report.

- 2:15 p.m. Facilities, 238 Morrill. Gateway/Alumni Center proposal.

Friday, March 8

- 9 a.m. Committee of the whole, 238 Morrill. University-Fairview update.
- After committee of the whole, board of regents, 238 Morrill.
- After board of regents, non-public meeting to discuss attorney-client privileged matters, 238 Morrill.

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MUSIC OF LOCAL COMPOSER JUDITH LANG ZAIMONT FEATURED IN FREE CONCERT AT U OF M

The music of award-winning composer and University of Minnesota professor Judith Lang Zaimont will be performed at a free concert at 8 p.m. Tuesday, Feb. 20, in Ted Mann Concert Hall on the Minneapolis campus.

Zaimont's music is recognized by critics for its expressive strength and rhythmic vitality. Performers will include John Anderson, Lydia Artymiw, Margo Garrett, Adam Kuenzel, Fernando Meza and Zaimont's sister, conductor Doris Kosloff.

Zaimont has written more than 90 works, including the critically acclaimed *Symphony No. 1*, which was performed last month by the Philadelphia Orchestra. Locally, her music has been performed by the Plymouth Music Series and the Dale Warland Singers. The first of three CDs of her chamber music have been recently released on the Acabesque label.

Zaimont has served on the faculties of the Peabody Conservatory, City University of New York and Adelphi University. She is editor-in-chief of the Greenwood Press book series *The Musical Woman: An International Perspective*.

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CENTER, NEXT TO THE BELL MUSEUM ON THE
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BELLAMY, HAMPL HEADLINE RALLY AT CAPITOL THURSDAY

Penumbra Theater Director Lou Bellamy, prizewinning University of Minnesota writer Patricia Hampl and Sherlock Holmes (aka actor David Fox Brenton) join other artists, writers, scholars and librarians at the Capitol Rotunda from 10 a.m. to 2 p.m. Thursday, Feb. 15, to support construction of the Minnesota Library Access Center, which will house University of Minnesota archives, manuscripts and rare book collections along with MINITEX, the largest library lending service in the country. The Legislature is considering bonding authority for the building, which would be located on the west bank of the Twin Cities campus.

Here are some of the activities:

- 11 a.m. Bellamy reads three Langston Hughes poems that belong to the Archie Givens Sr. Collection of African American Literature and Culture at the university.
- 12:30 p.m. Hampl and Italian accordionist Idillio Del Col use narrative and music to celebrate immigrant experiences, using materials from the university's Immigration History Research Center collections.
- 1:30 p.m. University Librarian Thomas Shaughnessy describes how the center will have one foot in the 15th century and one in the 21st. "The rare book and archival collections in the new center date from the beginning of the printed book, and the center will also have state-of-the-art capabilities for digitizing texts and sharing information electronically with users anywhere in Minnesota," Shaughnessy said.

Other speakers include Archie Givens Jr., who will explain why his family has invested in the rare books collections of the University Library; university history professor Rudolph Vecoli describing programs of the Immigration History Research Center; W. Phillips Shively, provost for arts, sciences and engineering at the university; Macalester College historian Peter Rachleff; architect James Stageberg talking about the importance of architecture for memory and meaning; retired university history professor Clarke Chambers; Minnesota Orchestra representative Mary Ann Feldman; and children's author and illustrator Nancy Carlson.

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2/14/96

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Embargoed by *Nature* until 3 p.m. CST Wednesday, Feb. 21. Tilman is available for interviews at (612) 625-5743 Feb. 15; (218) 763-3259 Feb. 17; (612) 922-5781 Feb. 18; and through Simon Levin at Princeton University, (609) 258-6880, Feb. 19-21.

BIODIVERSITY WINS AGAIN: PRODUCTIVITY, SUSTAINABILITY OF LANDS DEMONSTRATED AT U OF MINNESOTA

In *Origin of Species*, Charles Darwin wrote that lands with greater numbers of species should be more productive. Now, University of Minnesota ecologist David Tilman has shown Darwin right; not only do large numbers of plant species allow land to produce greater amounts of vegetation, but a diversity of species means more efficient use of soil nutrients and thus greater soil fertility. Tilman and two colleagues publish their work in the Feb. 22 issue of the journal *Nature*.

“This was the first field test of the idea that greater species diversity leads to greater sustainability of fertility and greater productivity (amount of vegetation),” Tilman said. “It strongly suggests that we could have more productive forests and grasslands if, for example, forests weren’t cut and replanted with just one species.” Tilman worked with botanist David Wedin of the University of Toronto and Johannes Knops, an adjunct ecology faculty member at the University of Minnesota.

Two years ago, a report by Tilman showed that greater species diversity helped land recover from stress—namely drought—faster. His current work demonstrates benefits of diversity even in the absence of stress. “There are now many studies all pointing in the same direction,” Tilman said. “They tell us that the loss of species has serious long-term effects on the productivity, stability and sustainability of society.”

The idea that diversity should increase productivity comes from the assumption that different plants use resources differently, Tilman said. For example, if one plant is good at removing nutrient A from the soil and another is better at removing nutrient B, each plant will be better able to absorb and use its preferred nutrient if it sits next to the other, rather than sitting next to and competing with one of its own species. Similarly, if many species are present, each nutrient has a better chance of being removed from the soil. Thus, those nutrients will not be leached from the soil, but will return to it when the plants die or shed their leaves.

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The researchers studied 147 plots of land planted with either 1, 2, 4, 6, 8, 12 or 24 species of North American prairie grass chosen at random from a pool of 24 species. The researchers also studied native, undisturbed grassland. In both cases, they found that plots with greater numbers of plant species produced bigger crops. They also found that in experimental fields with lesser numbers of plant species, the deeper layers of soil had more nitrogen, indicating this important nutrient had leached out of the upper soil layers.

Keeping forests and grasslands diverse could be important for maintaining the productivity of such lands, but Tilman doubts that leaching of fertilizer from agricultural fields could be reduced by planting more than one crop. "I don't presently see a good alternative to farming monocultures," he said. "But we can use plant diversity as a management tool in other ecosystems, and we should preserve biodiversity in as many habitats as possible."

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2/15/96

Media note: the Raptor Center will have a photo op with great gray owls Monday morning, Feb. 19. Call (612) 624-4745 for exact time.

RARE NORTHERN GREAT GRAY OWLS INVADE TWIN CITIES



The University of Minnesota Raptor Center is holding three great gray owls, which normally winter in northern Minnesota but may have flown south to escape poor hunting conditions and severe cold. The center has also received many calls regarding sightings of great gray owls in the Twin Cities and surrounding areas. The owls hunt during the day, so it's relatively easy to spot them.

The center asks the public to be aware of these owls and to call the center at (612) 624-4745 if an injured owl is found. To learn more about the owls, internet users can try the center's Web site at <http://www.raptor/cvm.umn.edu>, or e-mail the center at raptor@umn.edu.

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UNIVERSITY OF MINNESOTA MARCH STARWATCH

by Deane Morrison

The spring stars push the bright winter constellations off center stage in March. Only two planets grace the sky, but one of them—Venus—makes its best showing in eight years. And, if that isn't enough, a new comet appears in the night sky.

Venus has no rivals during the evening hours, when it glows high above the western horizon. Our bright sister planet stretches its orbital tether to the max; on the 31st, it appears 46 degrees from the sun and sets four hours after the sun. As the month passes, it draws close to the Pleiades star cluster. Through a telescope, Venus looks better and better as it shrinks from gibbous to half-full on the 31st. Venus is famous for getting brighter as it shrinks in phase from near-full to a thin crescent. This happens because, as it emerges from behind the sun and into the evening sky, it draws nearer to Earth.

The second bright planet appears a few hours after midnight, when Jupiter rises in company with the Teapot of Sagittarius. Jupiter rises earlier as time goes by; in May it will move into the evening sky.

Saturn sinks out of sight in the evening twilight early in the month. Likewise, Mars and Mercury are too close to the sun for viewing.

The moon becomes full in the early morning hours of the 5th, which means the best time to see it will be the evening before. The full moon of March has been called, by various Indian tribes, the full worm moon, because the ground now softens and earthworm casts reappear; the full crow moon, for the cawing of crows signalling the end of winter; or the full crust moon, because the snow cover takes on a crust from thawing by day and freezing by night. The full sap moon is another variation. A new moon arrives on the 19th, and the young crescent will approach Venus until the 22nd, when it passes below the planet.

Comet fans will want to look for a newcomer, Comet Hyakutake (Hi-ah-KU-tah-key), discovered January 30 by a Japanese comet hunter. On the 26th of March, the comet will sweep within 10 million miles of Earth, and some astronomers predict it could become as

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bright as first magnitude. On the other hand, being so close could make it look like a diffuse cloud not easily made out. But while a comet's brightness is notoriously hard to predict, its movement is not. Comet Hyakutake will best be seen from about the 23rd to the 28th, when it moves north through Bootes and the Little Dipper. Bootes, the kite-shaped constellation marked by the bright star Arcturus, will be in the eastern sky during the late evening hours of the 24th. The comet will be near the top of the "kite," north of Arcturus. It should reach maximum brightness on the 28th, when it will be just beyond Polaris, at the tip of the Little Dipper's handle, a little less than a third of the way to the bright star Capella. Capella is the highest star in the knot of winter constellations now heading toward the western horizon. Starwatchers with access to the Internet can see a map of Hyakutake's path on the University of Minnesota astronomy department's home page at <http://ast1.spa.umn.edu/Outreach/hyakutake.html>.

The spring equinox occurs at 2:06 a.m. CST on the 20th. At that moment the long winter will end, at least officially, with the sun crossing over the Tropic of Cancer and into the northern sky.

###

Starwatch is a monthly guide to the night sky in the Upper Midwest. For a taped version from the University of Minnesota astronomy department, call (612) 624-2001.

Contact

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2/22/96

U OF M HOSTS FIRST MINNESOTA NATIONAL PRINT BIENNIAL

More than 437 artists from across the country competed to exhibit in Minnesota's first national exhibition of printmaking at the University of Minnesota's Katherine E. Nash Gallery March 12 through April 5.

The event, sponsored by the university's Department of Art, will showcase more than 83 works ranging from the whimsical—the first women's currency featuring Barbara Bush—to the nostalgic—images from 1950s television and children's books—in a wide variety of media. A reception is scheduled for 6 p.m. Friday, March 15.

Jurors for the competition are Elizabeth Armstrong, curator of prints and drawings at the Walker Art Center; Bill Goldston, master printer and president of New York-based University Limited Editions; and Frances Myers, art professor at University of Wisconsin, Madison.

Event organizer and associate art professor Jerry Krepps hopes to place Minnesota among the country's most important centers for the study of print. According to Krepps, every major museum in Minnesota will be looking to acquire art from the show for its permanent collections. Participating museums include the Weisman Art Museum, Walker Art Center, Minneapolis Institute of Arts, Minnesota Museum of American Art, Tweed Museum and Plains Arts Museum of Fargo.

In addition to the Department of Art, sponsors include 3M Corp., ReliaStar Financial Corp., the Artery, Graphic Chemical and Ink, Takach Press, Savoir Faire, Dolly J. Fiterman, Scott Berglin of Applied Arts, Maxine and Stuart Applebaum, Gary Applebaum, the Roderberg family, Colorhouse, ProColor, the Potlach Corp., the Ambassador Press and the University of Minnesota College of Liberal Art's Scholarly Events Fund.

The gallery, located in the lower level of Willey Hall on the Minneapolis campus, is open 10 a.m. to 4 p.m. Tuesdays, Thursdays and Fridays; 10 a.m. to 8 p.m. Wednesdays; and 1 to 5 p.m. Saturdays.

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**Embargoed by *Science* until 4 p.m. CST Thursday, Feb. 29.
Mueller is available for interviews at (612) 625-1155.**

U OF MINNESOTA RESEARCHERS CLOSE IN ON CLUE TO CONTROLLING AUTOIMMUNE DISEASE

A mysterious defect in some immune cells that renders them unable to defend against foreign tissue has come a step closer to identification. When identified, the defect may be used to control the rampaging immune systems of autoimmune disease patients, said Daniel Mueller of the University of Minnesota, whose latest work on the defect appears in the March 1 issue of the journal *Science*.

Whether the defect is beneficial or not depends on the material targeted by the immune cells. If the target material is indeed foreign—say, a disease virus—the defect is bad news. But if the target is a person’s own cells—as is the case with autoimmune diseases such as multiple sclerosis, insulin-dependent diabetes, rheumatoid arthritis, lupus erythematosus and myasthenia gravis—turning off the ability to mount an immune defense would be good news.

“We think that this defect might be a model for tolerance,” said Mueller, referring to the healthy immune system’s habit of “tolerating” the presence of other tissues belonging to a person’s body. That is, a healthy immune system mounts no response at all to one’s own body. Similarly, no response is typically mounted against food or, in the case of pregnancy, a fetus.

Tolerance would also be desirable in organs or tissues transplanted from one person to another, said Mueller. A serious difficulty with such transplants is graft-versus-host disease, in which immune cells from the donor are introduced into the recipient via the transplant and proceed to attack their new host.

Working with a class of immune cells—known as T cells—from mice, Mueller and his team showed that the defect—called clonal anergy—knocks out two enzymes that help T cells respond to a foreign substance. Exactly what the defect is and how it does its damage isn’t known, but Mueller’s work shows that the damage most likely occurs before the enzymes get turned on, rather than a later step in the process of immune

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response. In fact, researchers elsewhere are publishing a paper in the same issue of *Science* in which they discuss an effect seen in an earlier step, he said.

The enzymes are turned on inside a T cell when it encounters a foreign substance that's just the right shape to attach to the outside of that particular T cell. Once turned on, the enzymes help the cell produce a protein called interleukin-2 (IL-2). When released from the cell, IL-2 attaches to the outside of the same cell and signals it to begin dividing. By this process, a T cell that "recognizes" a foreign substance reproduces (clones) itself into an army of identical cells that targets the foreign substance for attack.

Although scientists can use drugs to induce clonal anergy in T cells sitting in a test tube, the exact nature of the defect remains unknown. The production of IL-2 requires a complex series of events, and the two enzymes are only part of the story. Whatever it is, once known, the defect could perhaps be induced in patients in such a way as to affect only those T cells that go after the patient's tissues or a grafted organ, sparing those T cells that protect against infectious disease. This would require drugs targeted to one or more very specific groups of T cells—presently a tall order.

For the near future, Mueller plans to further study the molecular nature of the defect, examining the roles of various branches in the biochemical pathways that lead to IL-2 production. Because the system is so complicated, it's possible that the sequence of events that's most crucial to IL-2 production hasn't been discovered yet, he said.

"We haven't yet proven that the signal pathways we know of are the crucial ones," Mueller said. "We also would like to be able to restore the defect. If we find a way to do that, we'll really know what it is."

Contacts:

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2/23/96

U OF M WOMEN'S CENTER SPONSORS FORUM FEATURING LEADERS OF ARGENTINA'S LAS MADRÉS DE LA PLAZA DE MAYO

Two leaders from Las Madrés de la Plaza de Mayo, a group of Argentinean mothers and grandmothers who gained worldwide attention for their courageous protest of the murder of their children by the military government, will highlight a forum presentation at 7 p.m. Monday, March 4, at the University of Minnesota's Coffman Union Theater.

Elsa Santi de Manzoti and Evel Aztarbe Petrini will talk about their personal struggles for justice after losing their children. Between 1976 and 1983, thousands of people, most of them young students, disappeared in Argentina. They were detained by agents of the military government, tortured and murdered. Their bodies were thrown into the ocean or buried in hidden graves and were never found. The government refused to acknowledge these acts, but the mothers and grandmothers of the victims would not let the deeds go unnoticed. They protested every week in the Plaza de Mayo in Buenos Aires, carrying photographs of their "disappeared" loved ones, thus earning the name Las Madrés de la Plaza de Mayo.

The women have garnered international attention for their courageous fight for justice and have been featured on *60 Minutes*. This March marks the 20th anniversary of their presence in the plaza and their representatives are on a two-week U.S. tour to share their experience.

The appearances of de Manzoti and Petrini will culminate an evening of discussion on international and women's issues. From 4 to 6 p.m., there will be three panel discussions focusing on the following topics: Latin American issues (in Spanish), women's leadership in the struggle for social justice, international activism without borders. All the activities are free.

The event is sponsored by the university's Minnesota Women's Center and the Minneapolis Student Unions' Forum Committee. Those interested in attending should make reservation by Thursday, Feb. 29. For more information on the event, contact the Women's Center at (612) 625-9837.

**Contact: Lupé Castillo Morales, Women's Center, (612) 625-9837;
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U OF M TO CO-SPONSOR JOB FAIR IN NORTH MINNEAPOLIS

More than 40 vendors offering job opportunities in many fields will be present at the Alice McKinney Opportunity Fair from 2 to 8 p.m. Wednesday, March 20, at the Glenwood-Lyndale Community Center, 908 Fifth Ave. N., Minneapolis.

Companies with representatives include Cargill, West Publishing, Brooke Personnel Service, American Medical Systems, Federal Express and many University of Minnesota offices.

The fair, the second of its kind in three months, is a unique effort that brings employers into the community and offers opportunities for job seekers and for business owners wishing to become university vendors. Seminars on resumes, job seeking skills and how to do business with the University of Minnesota will also be offered throughout the day.

The first such fair—the Clarence Carter Opportunity Fair in November 1995— attracted over 400 participants and 30 job vendors, and 40 job seekers found employment as a result.

Sponsors of the job fair include the University of Minnesota, KMOJ Radio, the Minneapolis Department of Civil Rights, the Minneapolis Public Housing Authority and the Minnesota Minority Media Coalition.

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**JEFFREY KAHN NAMED DIRECTOR OF
U OF M'S CENTER FOR BIOMEDICAL ETHICS**

Jeffrey Kahn, director of the Graduate Program in Bioethics at the Medical College of Wisconsin, has been named director of the University of Minnesota Center for Biomedical Ethics, pending approval by the university's board of regents. Kahn, who will begin his duties in August, replaces Arthur Caplan, director from 1987 to 1994.

Kahn specializes in ethics and health policy, ethical issues in genetics and research ethics. He arrived at the Medical College of Wisconsin-Milwaukee in 1992 to build a master's program in bioethics—the first of its kind in a medical school. From April 1994 until October 1995, Kahn was also associate director of the White House Advisory Committee on Human Radiation Experiments, a government commission charged by President Clinton with analyzing and making recommendations about the ethical and policy issues of government-sponsored human radiation experiments dating back to 1942. Kahn was chosen for the Minnesota position after a national search.

Kahn has a doctorate in philosophy with a specialty in bioethics from Georgetown University. He also holds a master's of public health degree from Johns Hopkins University and a bachelor's degree in microbiology from UCLA.

"This is an exciting time in bioethics," said Kahn. "With its resources and commitment to study in this area, the University of Minnesota will continue to be one of the leading centers for bioethics well into the next century. I am thrilled to be joining such a fine center and university."

"Kahn has been sought after by prestigious institutions," said Frank Cerra, dean of the Medical School. "It's a major thing to get him."

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U OF M PRESIDENT HASSELMO TO VISIT LAKE CITY, WABASHA

University of Minnesota President Nils Hasselmo will meet with community leaders and alumni in Wabasha and Lake City Monday, March 18.

Hasselmo will attend a lunch meeting, listen to presentations on university-sponsored community programs and meet members of the press in Lake City; tour Lark Toys in Kellogg; and attend a meeting of the Wabasha County Development Corp. in Wabasha.

Hasselmo's itinerary follows:

- **Noon-12:45 p.m.:** Luncheon at Waterman's Restaurant, 1702 Lakeshore Drive N., Lake City. Hasselmo to speak for 10 to 15 minutes. Guests include area alumni and leaders.
- **12:45-1:45 p.m.:** Presentations on community development efforts in southeast Minnesota sponsored by the Rural Development Council, showcasing such programs as the Mississippi Valley Partners.
- **1:45-2 p.m.:** Hasselmo to meet with local press at Waterman's Restaurant.
- **2:30-3:15 p.m.:** Tour Lark Toys in Kellogg.
- **3:30-4:15 p.m.:** Tour Minnesota Extension Service offices in Wabasha, meet staff, see demonstration of Access Minnesota.
- **4:30-5 p.m.:** Fireside chat with community leaders, including leaders of Wabasha County Development Corp. and the Rural Development Council at Wabasha Boat Works.
- **5-7 p.m.:** Wabasha County Development Corp. meeting; Hasselmo to give keynote on "The University of Minnesota: Your Partner in Community Development."

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U OF M RAPTOR CENTER TO RELEASE OWLS IN HACKENSACK

The University of Minnesota Raptor Center will release four or five birds, including two great gray owls, at 4 p.m. Saturday, March 23, at Deep Portage Conservation Reserve in Hackensack, Minn.

The great gray owls, found in Ham Lake and Maplewood, probably flew south to escape harsh winter conditions farther north. Also scheduled for release are a snowy owl, one or two boreal owls and a rough-legged hawk. All were rehabilitated at the Raptor Center for injuries and/or starvation.

Besides the release, a series of activities are planned from 1 to 4:30 p.m. Included are:

- "Northern Owls of Minnesota," a presentation by Raptor Center staff
- Live owls from the Raptor Center
- Drawing for a chance to release an owl
- Egg decorating

The cost is \$7 for adults and \$3.50 for children 17 and under. Meals and overnight and weekend rates are also available. Weekend visitors can enjoy evening owl hikes, a bonfire and guided snowshoe hikes and ski tours. For more information call the Raptor Center at (612) 624-2756.

Contacts:

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Deane Morrison, News Service, dmorris@mailbox.mail.umn.edu, (612) 624-2346

3/6/96

UNIVERSITY OF MINNESOTA TO SPONSOR REGIONAL NATIVE LANGUAGE CONFERENCE

The University of Minnesota's department of American Indian studies and University College/Continuing Education and Extension will host the first regional conference on "Teaching Native Languages" Thursday, March 14 through Saturday, March 16, at the Canterbury Inn in Shakopee.

The conference will address issues of certification and professional development of native language instructors. More than 100 Ojibwe, Dakota and Hockak language teachers, speakers and students from midwestern states and southern Canada are expected to attend. Speakers and panelists will focus on the most effective language instruction techniques and materials, including computer-assisted language instruction, neuro-psychological theories underlying audio tape approaches, community and elder-based language programs and intensive language camps. Workshop sessions, arranged for each of the languages commonly spoken in the region, will address problems and strategies unique to various tribal communities.

In addition to the educational programming, participants will enjoy an open-stage story-telling event and powwow.

Following the conference on Saturday, March 16, the department of American Indian studies, the Weisman Art Museum and Native Arts Circle will present a free story-telling event beginning at 1:30 p.m. in the Weisman. Four storytellers—Ona Kingbird, Colin Wetsaw, Trudell Starr and Peter Kelly—will relate tales from their tribal heritage. Following the stories, a panel assembled by Native Arts Circle will discuss traditional and contemporary story-telling in American Indian communities.

For more information on the event, call David Born, chair of American Indian studies, (612) 624-2556, 625-9438 or 476-1236 (home).

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PRESS PREVIEW FOR IRISH TEXTILE EXHIBIT AT U OF M



Textile artists whose work is featured in the exhibit "Contemporary Irish Textile Art: The Women of Annaghmakerrig" will be at the University of Minnesota's Goldstein Gallery from 3 to 5 p.m. Friday, March 15, for a preview reception.

Opening Sunday (March 17, St. Patrick's Day), the exhibit celebrates the textile works of 27 artists from the Annaghmakerrig artist's retreat in Ireland. The works explore themes of infidelity, illness and "the troubles" through wall hangings, books and three-dimensional objects. Annaghmakerrig is the Irish estate of the late Sir Tyrone Guthrie.

The Sunday opening, scheduled for 1 to 4 p.m., will feature live Irish music and remarks by Joe Dowling, the new artistic director of the Guthrie Theater.

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Embargoed by *Science* until 5 p.m. EST Thursday, March 14.

U OF MINNESOTA RESEARCHERS FIND CHEAP, CLEAN WAY TO MAKE FORMALDEHYDE, OTHER CHEMICALS

Using a “gauze” of fine platinum wires as a catalyst, University of Minnesota chemical engineers have found a way to make useful chemicals from butane and related liquids found in natural gas deposits. The process, reported in the March 15 issue of the journal *Science*, uses a new combination of catalytic and non-catalytic combustion to produce formaldehyde and other commercially valuable products about 1,000 times faster than current technology.

Their discovery builds on their 1993 report of a cheaper, faster way to turn methane—the major component of natural gas—into “syngas,” a mixture of carbon monoxide and hydrogen gas that can be used to make commercially valuable methanol. That process would allow the production of syngas in remote areas where natural gas is produced, rather than piping the gas to industrial areas first.

In their current work, chemical engineering professor Lanny Schmidt and graduate student Duane Goetsch found that when they passed butane through a mesh of platinum wires at about 800° C, the platinum began a series of chemical reactions that continued as the material swept past the mesh. They had expected those reactions to yield mostly carbon monoxide and unsaturated hydrocarbons (olefins). Instead, they found about 75 percent of the butane was converted to butylene (an olefin) and aldehydes, especially formaldehyde. Formaldehyde is used extensively in plywood and other wood products.

They were surprised by such a yield because the butane should have been converted to useful products only during the short time it was in contact with the platinum catalyst. After the stream of butane had passed the platinum mesh, any further modification of the material should have arisen from combustion, or burning, which produces relatively useless products. Instead, the chemical transformation of the butane feedstock continued beyond the mesh and produced valuable products.

“Usually, catalysts give you useful chemicals and combustion just produces useless carbon dioxide and water,” Schmidt said. “But this process combines catalytic chemistry with combustion in a way that hasn’t been done before.”

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The new work also replaces a slow, multi-step process with a one-step process that runs a thousand times faster and so can be done with inexpensive and simpler equipment. The platinum wires that form the meshwork are only 100 microns (one-tenth of a millimeter) thick, and the catalysis is over in a matter of microseconds. The process will work not only with butane, but with other natural gas liquids such as ethane and propane, all of which occur in natural gas deposits.

“What this boils down to is better utilization of all the hydrocarbons found in natural gas deposits,” Schmidt said.

Contacts:

Lanny Schmidt, (612) 625-9391 (after March 20)

Deane Morrison, News Service, dmorris@mailbox.mail.umn.edu, (612) 624-2346

3/13/96

EDITH LEYASMEYER NAMED DEAN OF U OF M SCHOOL OF PUBLIC HEALTH

Edith Leyasmeyer has been named dean of the University of Minnesota School of Public Health. Leyasmeyer had served as interim dean since 1994.

“Her leadership has been demonstrated by her admirable service as interim dean,” said William Brody, provost of the Academic Health Center (AHC), in announcing the appointment. “The school and the AHC are fortunate to have her as the duly appointed dean.”

“The next few years will be challenging,” said Leyasmeyer. “Not only will we need to respond to changes in the health field brought about by the managed care environment, the re-emergence of infectious diseases and a host of other new and difficult issues, but AHC re-engineering will mean the need to examine and redesign how we educate our students and how we relate to the community. All of us will need to work together to uphold and strengthen the academic excellence of this school and this institution.”

Before joining the School of Public Health, Leyasmeyer directed the Area Health Education Center for the Health Sciences at the university. In 1980 she was named associate dean and executive officer of the School of Public Health; she has since been called upon on two other occasions to serve as interim dean for the school. She received her doctorate in hospital and health care administration from the University of Minnesota and a master’s degree in public health from the University of Pittsburgh.

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WATER QUALITY MONITOR IS FIRST PRODUCT TO SURFACE FROM U OF M/BLANDIN PARTNERSHIP

Continuous monitoring of water quality at varying depths in Minnesota's 12,000 lakes would be possible using the first product developed with support from the SOTA TEC Fund, a long-term economic development partnership between The Blandin Foundation and the University of Minnesota.

Dubbed "RUSS," for "remote underwater sampling station," the product resulted from a collaboration between Duluth campus chemistry professor Robert Carlson and Alan Cibuzar, president of A.W. Research Laboratories in Brainerd. With support from the SOTA TEC Fund, they developed a system that analyzes water quality at preprogrammed depths in remote bodies of water and relays the data from sensing stations via satellite to monitoring computers. It would be used by companies that do environmental monitoring.

The Blandin Foundation has donated a total of \$4 million to the SOTA TEC Fund since the fund's inception. Blandin president Paul Olson and Tony Potami, the university's associate vice president for research and technology transfer, launched the technology development program in 1989.

In January, Blandin hired a full-time president, Leonard Ruiz Jr., to direct the SOTA TEC Fund. A former research and development director at Land O'Lakes, Ruiz has helped start and manage three biotechnology companies. In his current position he teams Minnesota companies with university researchers to develop technology-based products for manufacture in Greater Minnesota.

The SOTA TEC Fund is seeking to work with additional Minnesota-based companies that have technology-driven opportunities and can benefit from the research capabilities available at the university. Interested entrepreneurs should call Ruiz at (612) 481-2671 or fax him at (612) 481-2232.

Contact:

**Michael P. Moore, Office of Research and Technology Transfer Administration,
(612) 624-9398, home (612) 571-6708**

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News Release

U OF M OFFICES CLOSED FRIDAY, 3/22

Twin Cities campus offices of the University of Minnesota will be closed Friday, March 22, for spring break holiday. Students have been on spring break since March 16. Classes will resume and offices will reopen Monday, March 25.

Contact:

**Bill Brady, bbrady@mailbox.mail.umn.edu, (612) 625-8510; home: (612) 722-0756;
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3/21/96

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UNIVERSITY OF MINNESOTA APRIL STARWATCH

by Deane Morrison

The full moon rises in eclipse the evening of the 3rd, but the show will be half over by the time we in the Midwest see it. On the other hand, the first few days of April afford a good opportunity to watch Venus slip by the lovely Pleiades. And in the third special event of the month, Comet Hyakutake veers toward the northwestern horizon on its way to a May Day perihelion, its closest approach to the sun.

The total lunar eclipse will best be seen from northern east coast states, but Midwesterners with a clear view of the eastern horizon may catch a piece of totality at moonrise. The height of the eclipse occurs at 6:10 p.m. CST, and totality ends at 6:53 p.m. The moon will appear red and dim, and will regain its normal appearance within an hour or two as it emerges from Earth's shadow. But even though the eclipse won't be picture-perfect, at least the moon will be very close to precisely full as it rises this month. Thus it will appear nearly perfectly round as it ascends over the landscape, which is worth a trip outside to many an observer.

Indians of the Algonquin tribes have called April's full moon the pink moon, after the early spring flower known as grass pink or wild ground phlox. Other names have included the full sprouting grass moon, the egg moon, and, among coastal tribes, the full fish moon, for the shad that swam upstream to spawn.

The moon will spend the next two weeks waning to the new phase on the 17th. Catch it on the 20th, when its three-day-old crescent will visit the Hyades cluster of Taurus, a gorgeous sight through binoculars.

The other star cluster of Taurus—the Pleiades—hosts brilliant Venus on the 2nd and 3rd. Venus will come within a degree of the Pleiades; again, use binoculars for best viewing.

Mercury makes a good appearance in the evening sky. Try to spot the elusive planet around the 23rd; look below and right of Venus, close to the horizon. On the 19th, Mercury, the young crescent moon and the Pleiades will form an isosceles triangle with

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Mercury being the lowest and right-most object. Mercury has emerged from a trip behind the sun and will shortly zip in front of it.

The only other naked-eye planet is Jupiter, large and yellow in the predawn sky just east of the Teapot of Sagittarius. Earth is catching up to the slower-moving Jupiter, which will cross into the evening sky in late May.

The Lyrid meteor shower will peak on the 21st, but meteors should be visible for about five days on either side. These meteors tend to be very fast and sometimes very bright, and radiate from a point near the border of Hercules and Lyra, two constellations in the east. Look for the meteors after 11 at night. The rate varies considerably; in 1982, the peak rate reported was 90 per hour.

Comet Hyakutake streaks toward the northwestern horizon between the bright star Capella, in Auriga, and the W-shaped Cassiopeia's chair, which floats just above the northern horizon. The comet will be dimming, but may still be visible to the naked eye. A reminder to starwatchers with access to the Internet: a map of Hyakutake's path is on the University of Minnesota astronomy department's home page at <http://ast1.spa.umn.edu/Outreach/hyakutake.html>.

Daylight time begins at 2 a.m. on the 7th. Clocks should be set one hour forward. This will bring an extra hour of light in the evening and an extra hour of darkness in the morning.

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Starwatch is a monthly guide to the night sky in the Upper Midwest. For a taped version from the University of Minnesota astronomy department, call (612) 624-2001.

Contact

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3/21/96

BREAST CANCER CHALLENGES AND TREATMENT FOCUS OF U OF M CONFERENCE APRIL 13

Ethical and medical challenges facing breast cancer victims are the topic of "Conversations: Personal, Professional and Ethical Challenges in the Treatment of Breast Cancer," a conference to be held at 8:30 a.m. Saturday, April 13, at the Illusion Theater, 528 Hennepin Ave. S., in Minneapolis.

The conference, sponsored by the University of Minnesota's Center for Biomedical Ethics and Illusion Theater, will also examine how race and income affect diagnosis and treatment, as well as give participants an opportunity to talk with health care professionals, survivors and their families.

Dr. Susan Love, nationally recognized authority on breast cancer and author of *Dr. Susan Love's Breast Book*, will deliver the keynote address, and Kalley King, co-anchor of KSTP's *Eyewitness News*, will moderate.

Other speakers include Dr. Kathy Faber-Langendoen, University of Minnesota assistant professor of medicine; Linda Finney, breast cancer survivor and co-founder of the African-American Breast Cancer Alliance; Dr. Vanessa Northington Gamble, associate professor of history and medicine, University of Wisconsin-Madison; Dr. Steven Miles, associate professor of medicine, University of Minnesota; Dr. Karen Weihs, assistant professor of psychiatry, George Washington University; and Susan Wolf, associate professor of law and faculty associate at the Center for Biomedical Ethics, University of Minnesota.

The conference is presented in conjunction with Illusion Theater's production of *For Our Daughters*, a play about women who have dealt with breast cancer.

For registration information, call the Center for Biomedical Ethics at (612) 626-9756.

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**Amy L. Olson, Academic Health Center Public Relations, (612) 624-5100,
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Embargoed by the International Symposium on Biology of Prostate Growth until 6 p.m. EST Friday, March 29. Sinha is available in Washington Thursday-Sunday, March 28-31, at the Mayflower Hotel, (202) 347-3000.

NEW ANTICANCER STRATEGY FROM UNIVERSITY OF MINNESOTA

A new method of cancer therapy that targets tumor cells in the organ of origin and in metastases while sparing other organs has been pioneered by University of Minnesota researchers. The therapy promises to lower drug doses and their attendant side effects while increasing their specificity.

Akhouri Sinha, professor of genetics and cell biology and research team leader, will present the work in poster format from 6 to 8 p.m. Friday, March 29, in the Mayflower Hotel in Washington, D.C., during the 1996 International Symposium on Biology of Prostate Growth. His work has been accepted for publication in a future issue of the journal *Anatomical Record*.

"The concept is to take a natural product made by an organ and use it to attach anti-cancer drugs to tumors of that organ. The tumors will then be specifically affected by the drug therapy," Sinha said. "Such an approach would also work against cells from the tumor that have metastasized to other organs. This approach to cancer treatment has never been done, as far as I know."

Working with surgical specimens of prostatic tissue and cultured prostate cells, Sinha took advantage of the fact that prostate epithelial (lining) cells are nearly unique in producing a protein substance called prostate-specific antigen (PSA). By chemically combining a common anticancer drug with an antibody that specifically attaches to PSA, the researchers produced a vehicle for delivering the drug to any tissue that secretes PSA. When the research team treated normal prostate epithelial cells and tumors of those cells with the antibody-drug combo, the combo stuck to the cells. But it did not stick to non-epithelial prostate cells or cells from lung, kidney, bladder or colon. Such target specificity should allow anticancer drugs to be used in lower doses, which would lessen side effects such as nausea and hair loss, Sinha said.

"Since this approach also destroys the normal prostatic epithelium, it has the drawback that a patient would lose his whole prostate," said Sinha. "But then, as things

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stand now, a patient faces surgery and so loses the whole organ anyway. Also, prostate surgery, whether for cancer or benign enlargement of the prostate, causes impotence. As an alternative to surgery, our approach offers hope that those suffering from prostate problems will be spared impotence and incontinence.

“This approach could be extended to cancers of other organs if we can find a unique product produced by the organs.”

Sinha's co-authors are James Sackrison of Lakeland Biomedical, Minneapolis; Michael Wilson, associate professor of laboratory medicine and pathology at the university; and Donald Gleason, retired associate professor of laboratory medicine and pathology and former chief of clinical laboratories at the Minneapolis Veterans Affairs Medical Center, where the work was performed and supported.

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3/26/96**

U OF M, MnSCU TO ANNOUNCE PLANS FOR EXPLORING A JOINT PARTNERSHIP

University of Minnesota President Nils Hasselmo and Minnesota State Colleges and Universities (MnSCU) Chancellor Judith Eaton will hold a news conference today (Tuesday, March 26) to announce plans for exploring new ways to help students succeed in completing four-year degrees at the university. The news conference will take place at **1:30 p.m. in 238 Morrill Hall on the university's Twin Cities campus**.

President Hasselmo will also discuss other aspects of the university's academic program plan in a separate briefing at **2:15 p.m., also in 238 Morrill**.

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Media note: To interview any of the honorees, contact Doris Rubenstein at (612) 624-4716.

IT'S 30 YEARS AT CUTTING EDGE FOR U OF M COLLEGE OF BIOLOGICAL SCIENCES

The University of Minnesota's College of Biological Sciences will celebrate 30 years of independent life by calling back five of its most illustrious alumni and former faculty for a day-long symposium Saturday, April 13.

The free symposium will be held from 9 a.m. to 4:30 p.m. in the Earle Brown Center on the St. Paul campus. That evening, four of the five symposium speakers will receive awards at a banquet in the St. Paul Student Center. The five symposium speakers are:

- 9:30 a.m. "Split Genes and Splicing," by Susan Berget, known for co-discovering, in 1977, that genes consist not only of DNA sequences that code for proteins but of intervening sequences of "junk" DNA. This discovery electrified the scientific world and won the 1993 Nobel Prize for Berget's mentor in the discovery, Phillip Sharp of the Massachusetts Institute of Technology. Berget has since done much to clarify how genes are "read" to form proteins. Now a professor of biochemistry at Baylor College of Medicine, she received a doctorate in biochemistry from the University of Minnesota in 1974. She will receive an Outstanding Achievement Award (OAA), the university's highest award for alumni.

- 10:45 a.m. "Some Perspectives on How Enzymes Make ATP, the Currency of the Cell," by Paul Boyer, a biochemist who helped elucidate how plants and animals capture energy from sunlight and foodstuffs, respectively, and turn it into usable form. He is also well-known in biochemistry circles for editing *The Enzymes*, a series of reference books. Boyer joined the university's agricultural biochemistry faculty in 1945. In 1956, he moved to the department of physiological chemistry in the Medical School, where he was Hill Professor of Enzymology. He left the university in 1963 for UCLA. Boyer will receive an honorary Doctor of Science.

- 1:30 p.m. "The Protein and the Sugar: The Perfect Match," by Irwin Goldstein, who pioneered the study of lectins, a class of proteins that attach themselves to sugars. By recognizing different types of sugar, lectins have been useful in identifying blood types

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and even in distinguishing cancerous cells for normal cells. Goldstein received his doctorate in biochemistry from the university in 1956. Currently at the University of Michigan Medical School, Goldstein will receive an OAA.

- 2:15 p.m. "The Discovery of Gibberellins as Plant Hormones," by Bernard Phinney. Phinney first demonstrated that plants produce gibberellins, a class of hormones that help plants achieve their proper height. Without gibberellins, plants are prone to dwarfism. He also has researched how gibberellins are synthesized and used by plants. His work has led to many practical applications in agriculture. Phinney received bachelor's and doctoral degrees from the university in 1940 and 1946, respectively, and an OAA in 1989. He is currently professor of biology at UCLA.

- 3:45 p.m. "Breakthroughs in Ice-Age History," by Herbert Wright, Regents' Professor Emeritus in the department of ecology, evolution and behavior and also in the department of geology and geophysics. Wright has been instrumental in reconstructing events of the Quaternary period and using the knowledge to increase understanding of climate present and future. A faculty member since 1947, Wright is also a former director of the university's Limnological Research Center. He will receive an honorary Doctor of Science.

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3/28/96

Media note: Maguire will be available for interviews Monday and Tuesday (April 1 and 2) mornings. Call Julie Lund at (612) 625-4874 to arrange.

WORLD BANK'S MAGUIRE TO RECEIVE U OF M AWARD

Charles Maguire, senior institutional development specialist at the World Bank, will receive the Larry Wilson Award from the University of Minnesota's College of Education and Human Development at 4:30 p.m. Monday, April 1, at the Weisman Art Museum on the Minneapolis campus.

The award is given for significant contributions in the field of non-school-based education or training and for willingness to share expertise with colleagues.

Maguire received a bachelor's degree in agricultural science from University College in Dublin, Ireland. He then earned a master's degree in agricultural education and a doctorate in vocational education from the University of Minnesota. He began his career teaching school in Nigeria and Ireland, and as an extension training specialist in Zambia. At the World Bank, Maguire designs and implements projects encouraging communities to make development decisions that ensure careful management and protection of forests, thus improving the lives of the local populace.

The award is named for author, educator and entrepreneur Larry Wilson, who has founded several successful businesses, including the Wilson Learning Corp. and the Pecos River Learning Center.

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AUTHOR LOUISE ERDRICH TO SPEAK AT U OF M

Author Louise Erdrich will deliver the Joseph Warren Beach Memorial Lecture at 8 p.m. Wednesday, April 17, at the Ted Mann Concert Hall on the west bank of the University of Minnesota.

Raised in North Dakota, Erdrich is of German American and French Ojibwa heritage. She is the author of four best-selling and award-winning novels, including *Love Medicine*, *The Beet Queen*, *Tracks*, *the Bingo Palace* and *the Crown of Columbus*, which she co-authored with her husband, Michael Dorris. Her fiction has been honored by the National Book Critics Circle in 1984 and the Los Angeles Times in 1985 and has been translated into 14 languages. Her short stories have received O. Henry awards and selected for the annual Best American Short Story analogies. Erdrich has also written two collections of poetry: *Jacklight and Baptism of Desire*. *The Blue Jay's Dance*, a memoir of motherhood, was her first non-fiction work, and her children's book, *Grandmother's Pigeon*, has just been published by Hyperion Press.

Erdrich's lecture will also be her first public reading from *Tales of Burning Love*, her newest novel, which will be released April 16. A book signing will take place during the evening.

The lecture is being sponsored by the university's Department of English.

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MEXICAN AMERICAN POLITICAL ACTIVIST TO SPEAK AT U OF M

Cecilia Rodriguez, a longtime political activist and representative for Mexico's Zapatista Army of National Liberation, will give a free talk from 1:30 to 3:30 p.m. Thursday, April 18, at the University of Minnesota La Raza Student Cultural Center, Room 154 Coffman Union.

Rodriguez will discuss international solidarity efforts with the indigenous communities in their struggles for peace and justice. The Zapatistas, an army made up of mostly young indigenous Mexicans, declared war on the Mexican government on Jan. 1, 1994, demanding an end to the authoritarian and corrupt party dictatorship in Mexico and a peaceful transition to democracy. While participating in a human rights delegation to Chiapas in 1994, Rodriguez was appointed by the Zapatistas as their United States representative.

Rodriguez began her political activism 22 years ago at the University of Texas at El Paso, where she worked with farmworkers and autoworkers on housing and environmental issues. She participated in two hunger strikes that prompted the Texas Senate to pass a bill making failure to pay wages a crime. She established the National Center for Democracy, Liberty and Justice, which is recognized by the Zapatistas as a foundation for international support for the struggle towards peace and justice for Zapatistas.

The event is sponsored by the university's La Raza Student Cultural Center, the Minnesota Women's Center and the university's Program Against Sexual Violence.

**Contacts: Lupe Castillo Morales, Women's Center, (612) 625-9837
Gilberto Vazquez, La Raza Student Cultural Center, (612) 625-2995**

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Embargoed by *Science* until 4 p.m. Central time Thursday, April 4.

**NEW WAY TO MAKE INTEGRATED CIRCUITS, OTHER DEVICES
PIONEERED AT U OF MINNESOTA**

A new method of manufacturing integrated circuits and nanometer-scale components at low cost and high productivity, called nanoimprint lithography, has been developed by University of Minnesota engineers. The method promises to greatly lower the cost of making integrated circuit chips and many new devices important in optical-fiber communication, chemistry and biology whose dimensions are measured in nanometers. (A nanometer is a billionth of a meter or about one hundred-thousandth of a human hair diameter.) Electrical engineering professor Stephen Chou is publishing an account of the research in the April 5 issue of *Science*.

A key and costly step in making semiconductor integrated circuits and many nanometer-scale devices is lithography—the process that creates patterns such as lines and holes in a polymer material that will later be transferred into desired materials. In conventional lithography, a beam of particles, such as light, electrons or ions, is used to bombard certain areas of the polymer, changing its chemical structure. Very small pattern sizes are most desirable, but the minimum size is limited by the wavelength of the particle beam. Polymer chemistry and scattering of the beam also limit the minimum size that can be achieved.

“Because of the limiting factors, when the required pattern size is below 100 nanometers, only a few lithography methods can be used, and all of them are extremely expensive due to a meager throughput [productivity] or complicated technology,” said Chou. Integrated circuits of the future, as well as many of the new nanometer-scale devices already developed, require patterns smaller than 100 nanometers, so their commercialization hinges on development of a low-cost, high-productivity lithography tool, he said.

Nanoimprint lithography, proposed and demonstrated by Chou’s team, completely abandons the conventional approach. It begins by using a compression molding method to create patterns at the surface of a polymer, then a technique called directional etch to

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RUSSIAN DIGNITARIES TO DISCUSS SOVIET REPUBLICS

Chingiz Aitmatov, renowned author and former member of Mikhail Gorbachev's Presidential Council, and F.G. Teshabaev, Uzbek ambassador to the United States and the United Nations, will speak at a three-day conference, "The Struggle for Modernization and Democratization: The Case of the Former Soviet Central Asian Republics," April 11 through April 13 at the University of Minnesota.

With the dramatic breakup of the Soviet Union in 1991, the newly independent states of Kazakhstan, Uzbekistan, Tajikistan, Kyrgyzstan and Turkmenistan experienced unprecedented growth and increased demands for their natural resources from post-Soviet regimes. They also faced a rise of religious fundamentalism and struggled with modernization. The conference will examine the pressures and challenges confronting the new states and will include discussions of regional politics, history, literature, culture and education.

Aitmatov, a prominent figure in Soviet literature, is best known for works combining Soviet literary traditions with elements of folklore and history of his native Kirghizia in Central Asia. Western commentators often emphasize Aitmatov's criticism of the Stalin era, while Soviet critics note that his frequent use of positive heroes exemplifies the practices of social realism. As a member of the Communist party, Aitmatov worked as a correspondent for *Pravda* and served as a deputy to the Supreme Soviet.

The conference begins Thursday evening at the Radisson Metrodome Hotel. Friday and Saturday conference sessions will be held at Coffman Union. For more information contact Shirley Mueffelman at smueffel@mail.cee.umn.edu or (612) 625-3850.

Contacts:

Ada Mayo, conference coordinator, (612) 525-5941
Nancy Grubb, conference services, (612) 625-6358

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IBM HIGH-PERFORMANCE COMPUTERS TO BE DEMONSTRATED AT U OF MINNESOTA

The University of Minnesota will present a review of its partnership activities with IBM, including demonstrations of high-performance computing, from 1:30 to 3:30 p.m. Tuesday, April 9, in Room 3-180 of the Electrical Engineering/Computer Science Building (EE/CS). Following the presentations, from 3:30 to 4 p.m., the university will dedicate its High-Performance Computing Facility, consisting of an IBM 10-node SP/2 supercomputer and nine IBM RS/6000 workstations, in EE/CS Room 1-227.

The central feature of the facility is that the cluster of 10 SP/2 nodes (processors) and nine RS/6000 workstations can be used separately or together. When used together, they can work simultaneously and in conjunction with one another on different aspects of difficult computations, giving the user the combined power of up to 19 computers.

Known as parallel computing, this type of computer configuration has great power for tackling the immense complexities of equations dealing with such phenomena as movements in Earth's interior, the formation of stars and galaxies, and even the working of nerve cells. The RS/6000 and SP/2 were given to the university as part of IBM's Shared University Research (SUR) Grant Program, through which IBM provides equipment to support research of mutual interest.

"IBM believes research partnerships between universities and business provide value to both by advancing the uses of information technology and by helping researchers explore exciting new opportunities," said Sean Rush, general manager, IBM higher education. "We are optimistic that this research partnership with the University of Minnesota will make a real difference in the future."

Tuesday's presenters will include David Du, computer science professor and chair of the SUR Cluster Technical Steering Committee, who will discuss how the cluster supports distributed multimedia research and distance learning. Also, several university researchers supported by the IBM Partners Program, which provides significant annual support for faculty research and fellowships, will speak about their work.

SUR grant researchers George Wilcox, professor of pharmacology, and David Yuen, professor of geology and geophysics will demonstrate their projects. Wilcox uses the SP/2 to study how nerve cells function, with a view to eventually designing artificial nerve networks that could help spinal injury patients. Yuen studies the behavior of heat and magma in Earth's mantle. His work will help scientists test theories about the land below our feet and may someday aid in predicting earthquakes and volcanic eruptions.

"Geophysics, neuroscience and astrophysics are all challenging fields, and parallel computing addresses all of them," said Wilcox.

The university received its first SUR grant two years ago, when IBM donated the nine RS/6000 workstations. That equipment formed the basis for the High-Performance Computing Facility, which now includes the SP/2. The university has been approved for a

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third year of SUR support, and has been accepted as a permanent member of the SUR program. The SUR grant is jointly managed by the university's Office of Information Technology, Minnesota Supercomputer Institute and department of computer science.

"This coming year, as part of our third year in SUR, we're developing a co-op model of how we configure and manage our system," said Don Riley, university associate vice president for information technology. "As researchers get funds and can add nodes to the SP/2, the SP/2 facility grows. It's like a cooperative—as you add to the co-op, you get a share of time on the whole facility." Riley credited Du for his key role in developing the SUR cluster and its capabilities, as well as using it in important areas of research.

Du and astronomy professor Paul Woodward were co-investigators for a National Science Foundation (NSF) Computing Infrastructure for Science and Engineering (CISE) grant last year. The second year of SUR support—the SP/2 donation—was applied as a match for the CISE grant. CISE is helping the university build a distributed high-performance computing network with a high-performance, high-resolution visualization system. That system has meant sharply detailed computer-generated simulations of such phenomena as the circulation of gases at the sun's surface or the air currents in a jet wake.

Contacts:

Don Riley, (612) 626-9816

Deane Morrison, News Service, dmorris@mailbox.mail.umn.edu, (612) 624-2346

4/8/96

U OF M TO EXERCISE EMERGENCY POWERS IN NAMING NEW HEALTH CENTER PROVOST THIS WEEK

University of Minnesota Academic Health Center (AHC) Provost William Brody announced today (Monday, April 8) that he has accepted the position of president of Johns Hopkins University.

In anticipation of the need to hire a new AHC provost, university President Nils Hasselmo began implementation last week of the university's exceptional hiring policy. Hasselmo will present his recommendation to the university's board of regents for final approval Friday, April 12.

The policy, which allows the president to make personnel recommendations based on extensive consultation rather than a formal search, is to be used only in emergency situations, in order to preserve the integrity of the search process.

"So many critical issues face the Academic Health Center at this time that it is absolutely necessary to ensure continuity through an immediate appointment," said Hasselmo. "Dr. Brody has put in motion a number of initiatives, including re-engineering of the AHC and the proposed affiliation between the university and Fairview Health System. The university can ill afford a leadership vacuum with such important proposals on the table."

The AHC provost is responsible for the operation of more than 14,600 faculty and staff in two medical schools, five health professions schools, a hospital and health system with an overall budget of \$750 million.

Contact:

Mike Bognanno, chief of staff and associate to the president, (612) 626-1616

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NATIONAL MEDIA CRITIC LAURA FLANDERS TO SPEAK AT U OF M HUMPHREY INSTITUTE

Laura Flanders, of the national media watch organization Fairness and Accuracy in Reporting (FAIR), will speak on the media's role in forming public policy from 5 to 7 p.m. Monday, April 15, at the University of Minnesota's Humphrey Institute.

Flanders is executive producer and host of FAIR's weekly radio program, *CounterSpin*, and writes a column for the organization's magazine, *Extra!*. She is also a regular contributor to the *Nation* and *Progressive* magazines.

FAIR attempts to offer well-documented criticism in an effort to identify and correct media bias and imbalance, such as insensitivity to women and minorities.

Flanders' speech will be followed by a discussion on how academics can speak more effectively to the public and how scholars and social justice leaders can ensure that policy debates include scholarly research. Panelists include Ron Clark, editorial page editor for the *St. Paul Pioneer Press*; Liz Hannon, producer of KTCA-TV's *NewsNight Minnesota*; Marti Erickson, director of the University of Minnesota's Children, Youth and Family Consortium; and Bill Brady, director of the University of Minnesota News Service.

The presentation, free and open to the public, is sponsored by the Humphrey Institute's Center on Women and Public Policy. For more information call Clare Gravon, (612) 625-4335.

Contact:

Gwen Ruff, Humphrey Institute, (612) 625-1326 or gruff@hhh.umn.edu

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U OF M REGENTS TO HOLD OPEN FORUM ON BUDGET AND PRESIDENTIAL SEARCH

The University of Minnesota board of regents will hold an open forum to hear opinions on the proposed 1996-97 budget and get input on the search for a new president on Thursday, April 25, in the Humphrey Center's Cowles Auditorium. The budget forum will be from 2 to 3:30 p.m., and the presidential search forum will be from 3:30 to 4:30 p.m.

The proposed budget is scheduled for a vote by the regents on May 10; copies of the proposal are available at the regents' office in 220 Morrill Hall.

University president Nils Hasselmo will retire on June 30, 1997. In searching for a new president, the board is seeking public input on the following questions:

- What are the major challenges facing the University of Minnesota today?
- What kind of person will be best prepared to address these issues and provide leadership to the university?

The forums are open to anyone who wants to address the regents on these issues. Those interested are asked to write or call the regents office by **noon Friday, April 19**. The address is 220 Morrill Hall, Minneapolis MN 55455, and the phone number is (612) 615-6300. Please include your name, address, phone number, topic you wish to address and group affiliation (if any).

Speakers at the budget forum will have five minutes to make their statements. If the number of speakers exceeds the time available, the board of regents' officers will balance the list of speakers to ensure that all points of view are adequately represented. Speakers at the presidential search forum will be received at an open microphone on a first-come, first-served basis.

Contact:

Bill Brady, bbrady@mailbox.mail.umn.edu, (612) 625-8510

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MEMO TO NEWS MEDIA

MTV TO FILM ON U OF M CAMPUS MONDAY, APRIL 15



MTV's "Choose or Lose" bus, which travels the country promoting voter registration among young people, will visit the Twin Cities campus between 11 a.m. and 2 p.m. Monday, April 15.

Media are invited to stop by anytime; producers and MTV staff will be available to take questions at noon.

The 45-foot, custom-designed vehicle is part of a comprehensive on-and-off air campaign designed to educate and inform young people about the political process. The vehicle will be parked east of Northrop Auditorium in the circular drive just off Church Street.

Contacts :

Steve Guy, MTV, (800) 217-8150 (pager)

Nina Shepherd, University News Service, nshepher@mailbox.mail.umn.edu, (612) 624-0214,

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FRANK CERRA NAMED U OF M HEALTH CENTER PROVOST

Frank Cerra, dean of the University of Minnesota's Medical School, has been named provost of the university's Academic Health Center. He will assume the post Monday, April 15.

Cerra replaces William Brody, who was named president of Johns Hopkins University in Baltimore. Brody will serve as special assistant to the president until he departs for Johns Hopkins no later than Sept. 1.

Cerra, a university faculty member since 1981, was named dean of the Medical School last year. He served as the interim head of the university's surgery department from 1993 to 1995 and holds appointments in clinical pharmacy, biomedical engineering, and food science and nutrition.

"Dr. Cerra is internationally respected as an educator, researcher and surgeon who has remained in touch with students, patients and faculty," said university President Nils Hasselmo. "We are thankful and pleased to have him assume leadership of the Academic Health Center at this critical time."

Between 1969 and 1975, Cerra completed his surgical internship and residency at the State University of New York at Buffalo. During four of those years, he also was a research associate in immunology and cardiovascular research. In 1972, he was a cardiovascular fellow under Michael DeBakey at the Texas Medical Center. From 1975 to 1981, Cerra served as an assistant and then associate professor of surgery at SUNY-Buffalo, where he held a critical-care medicine fellowship from 1976 to 1978. He is a 1969 graduate of Northwestern University School of Medicine.

Contact

**Nina Shepherd, University News Service, (612) 624-0214,
nshepher@mailbox.mail.umn.edu**

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COKE ROLLS IN TO U OF M MONDAY MORNING, APRIL 15



The first Coca-Cola vending machines earmarked for the University of Minnesota's Twin Cities campus under a new 10-year exclusive pouring rights contract will roll off the truck and into Coffman Union at about 6:30 a.m. Monday, April 15.

Goldy Gopher will meet the truck and assist in the installation, which will take place in the vending area on the terrace (lower) level of the building. Afterwards, Goldy will greet and hand out free Cokes to some of the early-arriving students at the bus stop in front of Coffman.

The complete campus conversion is expected to take about three weeks and involve several hundred vending and fountain units.

The university and Midwest Coca-Cola Bottling Company entered into a 10-year partnership agreement in January that gives Coke exclusive soft drink vending rights for the Twin Cities campus. Including commissions on sales, the agreement is expected to pay the university \$28 million, \$15 million of it guaranteed. The contract is the largest ever between a soft-drink manufacturer and a university.

Contacts:

**Bill Brady, University News Service, bbrady@mailbox.mail.umn.edu,
(612) 625-8510 (office) 722-0756 (home)**

Kevin Morris, Midwest Coca-Cola, (612) 456-1260 (office), (612) 922-6690 (home)

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U OF M REGENTS ENDORSE GATEWAY PROJECT

The University of Minnesota board of regents today (Friday, April 12) approved plans to build a Gateway/Alumni Center on the Twin Cities campus.

The center, to be located on Oak Street between University and Washington Avenues, is intended to establish a symbolic point of entry to the Twin Cities campus for incoming students, visitors and alumni and to serve as headquarters for the Alumni Association, the University Foundation and the Minnesota Medical Foundation. The proposed center would also house heritage galleries, a great hall and meeting rooms.

“It will literally and figuratively serve as a front door to the university, a place where visitors can begin their visits to the university,” said Larry Laukka, chair of the Gateway steering committee and alumni association past president.

One of the requirements established by the regents was that either the design or the landscaping surrounding the building incorporate the reconstruction of the Memorial Stadium Processional Arch that was preserved when the stadium was demolished in 1992.

Gateway plans call for a 230,000-square-foot facility that will include the alumni/visitor center and an expansion that will incorporate space for university offices. The project is consistent with the university’s Twin Cities campus master plan currently under review.

The center will be built on university property, but owned and operated by the two foundations and the alumni association. Financing for the Gateway project, which has an estimated cost of \$27.4 million, will come from private fundraising and debt issuance.

Contact:

Elaine Cunningham, Alumni Association, (612) 624-2323

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U OF M PRESIDENT NILS HASSELMO TO VISIT GRAND RAPIDS TUESDAY, APRIL 23

University of Minnesota President Nils Hasselmo will meet with local representatives, alumni, educators, residents and students when he visits Grand Rapids Tuesday, April 23. Accompanying Hasselmo on the trip will be university regents Tom Reagan of Gilbert and Warren Larson of Bagley.

Hasselmo's itinerary:

- 10 a.m. Tour the southern farm of the North Central Agricultural Experiment Station.
- 11 to 11:55 a.m. Alumni and donor reception in Blandin Room A of the Sawmill Restaurant.
- Noon to 1 p.m. Citizens League luncheon in Sawmill main dining room. Speech by Hasselmo.
- 1:10 to 1:20 p.m. Hasselmo answers questions from the local press at Sawmill Restaurant.
- 1:20 to 1:50 p.m. Hasselmo and regents Larson and Reagan meet with area legislators at Sawmill Restaurant.
- 2 to 3 p.m. Travel to Grand Rapids High School to meet with high school staff and students, hear presentations about the Humphrey Institute's Center for School Change, about programs in Grand Rapids.
- 3:15 to 4:15 p.m. - Presentations by local leaders about area programs at the North Central Experiment Station. Programs featured include the Center for Rural Nonviolence, water quality programs, and business retention and tourism programs.

Contact: Kathy Yaeger, Institutional Relations, (612) 624-5841

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JESSICA MORGAN NAMED HEAD OF U OF M'S WOMEN'S CENTER

Jessica Morgan has been named coordinator of the Minnesota Women's Center at the University of Minnesota. The center is dedicated to providing leadership to improve and enhance the living, working and learning environments for female students at the university.

Morgan, a doctoral candidate in anthropology, has been acting coordinator of the center since former director Angela Bies' departure in October 1995. Before serving as acting coordinator, Morgan served as an administrative fellow with the Commission on Women, supporting and promoting the Tenure Track Women Faculty Workshop, Women in Science and Engineering, the Women in Professional Schools Initiatives and the commission's mentoring and special grants programs.

"Jessica has the experience and commitment needed to improve the climate for women students at the university," said Jessica Bailey, assistant vice president for academic affairs with responsibility for diversity and chair of the Commission on Women. "She brings with her the heightened enthusiasm, vision and energy needed to successfully work with students and staff as well as with the Commission on Women."

As coordinator, Morgan will coordinate women's leadership forums and retreats, develop internship and scholarship opportunities for women and expand the center's information and referral services.

Contacts:

Jessica Morgan, Minnesota Women's Center, (612) 625-9837
Jessica Bailey, chair, Commission on Women, (612) 626-7548

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CHARLES OSGOOD TO SPEAK AT U OF M ALUMNI MEETING

CBS television and radio personality Charles Osgood will be the featured speaker at the University of Minnesota Alumni Association's annual meeting, beginning at 6:45 p.m. Thursday, April 25, at the Gibson/Nagurski Football Complex.

As host of *CBS News Sunday Morning* and CBS Radio's *The Osgood File*, Osgood has been called "one of the last great broadcast writers" by his Sunday morning predecessor, Charles Kuralt. Osgood is a member of the National Association of Broadcasters Hall of Fame, a winner of the Marconi Radio Award and a two-time Peabody Award winner.

The Alumni Association's annual meeting will begin at 5:30 p.m., with a social hour featuring birds from the Raptor Center and a biomedical engineering exhibit from the Institute of Technology.

The event is open to the public. Tickets are \$35 for Alumni Association members and \$40 for the general public. The Gibson/Nagurski Football Complex is located at 600 15th Ave. S.E. in Minneapolis. For more information call (612) 624-2323.

Contact:

Elaine Cunningham, Alumni Association, (612) 626-7125

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Story tips from the 'U'

for April 22 - April 28, 1996

Daughters hit the workplace

... Thursday, April 25

Check out these activities for Take Our Daughters to Work Day. See girls:

- Get their pictures taken in graduation cap and gown and meet Carlson School professors and alumni. 8 a.m. to noon, West Bank Union Fireside Lounge.
 - Learn about fingerprinting with the U Police and Program Against Sexual Violence. 10 a.m. to noon, 253 Nicholson Hall.
 - Make helicopters, monorails and other cool stuff with the Society of Women Engineers. Coffman Union. 1:30 to 3:30 p.m., Room 306; 1:30 to 4 p.m., Room 307.
- For more on Minneapolis campus events, call (612) 625-9837; for the St. Paul campus, call (612) 625-7089. News Service contact, Deane Morrison, dmorris@mailbox.mail.umn.edu, (612) 624-2346.

Vietnam suffers free-market pains

Reunited 20 years ago, Vietnam is a land in turmoil. Morris campus faculty member Mariam Frenier, who travels to Vietnam to teach women's studies, says many of the ills now afflicting Russia are appearing in Vietnam: rural poverty, as farmers sell food for profit and there is no longer adequate food for many of the poor; prostitution, as girls are sold or lured over the Chinese border with promises of marriage; and AIDS. On the other hand, hotels are springing up, people are dressing more colorfully, and restaurant food has become edible. "As before, you now see homeless people and beggars," says Frenier. "But it's also true that some people who are down and out are going to make it by sheer determination." She traces the huge reversal to the state's decision to allow a free-market economy in the late '80s. Still, American companies have a hard time navigating the bureaucracies that control business licenses. Call Frenier at (320) 589-2211, ext. 6187. News Service contact, Deane Morrison, dmorris@mailbox.mail.umn.edu, (612) 624-2346.

U scientist patents bug that eats number one herbicide

Another environmental poison teeters on the brink of defeat by lowly bacteria. Atrazine, the country's most used herbicide, sticks around in soil for a long time and kills not only weeds, but just about every food plant except corn and sorghum. This makes it nearly impossible to rotate crops in cornfields treated with atrazine. Help is on the way, however, from biochemist Larry Wackett, who just patented a bacterium that loves to eat atrazine and breaks it down very fast. "Now, contaminated soil must be incinerated," says Wackett. "But we estimate the bacteria could do the job at one-twentieth the current price." Wackett found the bacteria in soil from a manufacturing plant in Louisiana owned by CIBA-Geigy, maker of atrazine. Wackett is now talking to engineering firms about putting the bacteria to work. Call him at (612) 625-3785. News Service contact, Deane Morrison, dmorris@mailbox.mail.umn.edu, (612) 624-2346.



The Weisman uncovers and displays ancient find

After more than 50 years of storage under dusty tarps in the basement of the U's anthropology department, 1,000 year-old pots and jewelry of the Mimbres people are on display through June 16 at the Weisman Art Museum. The collection artifacts, crafted mostly by women of New Mexico's Mimbres Valley, were used to store food, water, seeds and medicines, and were buried with the dead. Due to space constraints, the collection—the second largest of its kind in the world—was inaccessible to the public until now. Call Robert Bitzan at (612) 625-9678. News Service contact, Nina Shepherd, nshepher@mailbox.mail.umn.edu, (612) 624-0214.

(More)

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'U' Tips/2

Violence Prevention Seminar

... Monday, April 22

Violence, the number one public health problem in the United States, has intensified to epidemic proportions. Each day approximately 6,000 persons in the U.S. incur physical injuries and 65 die from some form of interpersonal violence. A U-cosponsored seminar, "Preventing Firearm Injuries and Death: A Public Health Perspective," will feature Dr. Arthur Kellerman, director of the Center for Injury Control at the Rollins School of Public Health at Emory University. 1:30 to 3:30 p.m., Radisson Hotel Metrodome. The event is cosponsored by the Allina Foundation. Call Deb Wingert, Center for Violence Prevention and Control, at (612) 624-1449. Academic Health Center contact, Amy Olson, (612) 624-5100, olson017@maroon.tc.umn.edu.

Regents ask for an earful

... Thursday, April 25

Two big issues on the plates of the U's board of regents are next year's budget and what kind of leader should replace President Nils Hasselmo when he retires in mid-1997. The board will solicit public comment on both at two open forums Thursday in the Humphrey Center's Cowles Auditorium. The budget forum will be from 2 to 3:30 p.m., and the presidential search forum will be from 3:30 to 4:30 p.m. News Service contact, Bill Brady, bbrady@mailbox.mail.umn.edu, (612) 625-8510.



Plant a tree for Arbor Day

... Friday, April 26

Celebrate Arbor Day with a ceremonial tree planting at 12:30 p.m. at the Minnesota Landscape Arboretum. Beforehand, join local schoolchildren and Goldy Gopher in a special program on tree care. Call (612) 443-2460. News Service contact, Nina Shepherd, nshepherd@mailbox.mail.umn.edu, (612) 624-0214.

It ain't the Fiesta bowl, but we'll take it

... Saturday, April 27, and Sunday, April 28

The U's College Bowl team has once again earned a spot at the National Championships, to be held at Arizona State. Also in the Brainpower Sweet 16 are MIT, Stanford, Chicago, Johns Hopkins and Michigan. Our team, composed solely of native Minnesotans, comprises Captain Ben Weiss, Dana Bacon, Dan Lee, Andrew Jensen and alternate Kara Kersteter. Beginning at 6 p.m. on Saturday, interested fans can find out how the team is doing by calling (612) 624-1940 or viewing the College Bowl web site at <http://www.tc.umn.edu/nlhome/m134/aten0001/cbowl.html>. A sendoff for the team featuring a College Bowl demonstration and an appearance by Goldy Gopher will take place from noon to 1 p.m. Wednesday, April 24, in the Coffman Union Fireplace Lounge. Minnesota is seeking its fourth national title. Only the University of Chicago has won as many as two. News Service contact, Bill Brady, bbrady@mailbox.mail.umn.edu, (612) 625-8510.



Falcon Fest

... Sunday, April 28

The U's Bell Museum will host *Family Falcon Fest* to celebrate their new peregrine falcon exhibit, "The Peregrine Falcon: Return of an Endangered Species," from 1 to 4 p.m. On hand will be exhibit curators, live raptors and those who rehabilitate them. Kids (or adults) can build peregrine puppets, go on a raptor scavenger hunt, dig through a peregrine's garbage pile and "soar" through the museum exploring a variety of raptor activities. *Family Falcon Fest* is free with museum admission. The exhibit runs through Sept. 1. Contact Byron Webster, (612) 624-0225. News Service contact, Mike Nelson, mnelson@mailbox.mail.umn.edu, (612) 626-7701.

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U OF M ESTABLISHES DAVID NOBLE LECTURE SERIES

The University of Minnesota's Program in American Studies has established a lecture series to honor its longtime professor David Noble. Noble himself will deliver the first lecture, "History as Art and Performance: A Review of Lectures on Some Famous Americans from Jefferson to Mailer," at 7:30 p.m. Thursday, May 2, at the Minnesota Historical Society.

Noble, often described as a colorful personality by colleagues, students and staff, has been known to dress in costume while lecturing about historical figures, delivering speeches in appropriate dialect. He's also been known to lecture while lying on his desk, the consequence of a bad back.

"I try to instill in my students an intellectual curiosity and get them to remember that when studying history, one is to a large extent studying human beings, people with a combination of strengths and weaknesses, happiness and sadness, and failure, joy and pain," said Noble.

Noble has received many awards for his teaching, including the Horace T. Morse-Amoco Award for undergraduate teaching and the College of Liberal Arts Award for Undergraduate Teaching. He also has won the Scholar of the College research award. He has served as Fulbright Professor in Kyoto and Sapporo, Japan, and has written several books that have been translated into foreign languages. Noble is currently working on a book to be titled *The Death of the National Landscape: Cultural Studies in the United States from the 1890s to the 1990s*.

Contact:

Mary Hicks, College of Liberal Arts, (612) 625-5541

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U OF M TO OFFER FREE SCREENING FOR ANXIETY SUFFERERS

The University of Minnesota's Boynton Health Service will offer free screening for anxiety sufferers from 5:30 to 7:30 p.m. Wednesday, May 1.

The free screening is part of National Anxiety Disorders Screening Day, sponsored by health organizations across the country to raise awareness of anxiety disorders, which affects 25 million Americans each year. Participants can complete an anxiety disorders screening test, have a confidential meeting with a mental health professional, or find out more about anxiety disorders, the most common health illness in the country.

Boynton Health Service is located at 410 Church St. S.E., Minneapolis, on the east bank of the Minneapolis campus. For more information call the Boynton Health Service at (612) 624-1444.

Contact:

Michonne Bertrand, Boynton Health Service, (612) 624-6619

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Media note: Garry is available for interviews at (612) 627-4235.

BIRTH DEFECTS IN CHILDREN OF MINNESOTA FARMERS LINKED TO USE OF HERBICIDES AND FUNGICIDES

Exposure to certain herbicides and fungicides increases the risk of birth defects, according to a University of Minnesota study comparing the number of defects in children born to pesticide applicators to the number found in all Minnesota births from 1989 to 1992.

The study was headed by Vincent Garry, associate professor of laboratory medicine and pathology, and was published in the April issue of *Environmental Health Perspectives*. In a previous study, Garry found chromosomal abnormalities in applicators that may signal an increased risk of non-Hodgkin's lymphoma.

While children of pesticide applicators, primarily farmers, had the highest birth defect rates, the general population was also affected in crop-growing regions where chlorophenoxy herbicides and fungicides are used to kill broadleaf weeds and grain mold.

Rates were highest for both groups in western Minnesota, a major growing region for wheat, sugar beets and potatoes, where the chemicals are used most frequently. Thirty birth defects per 1,000 births for applicators and 26.9 birth defects per 1,000 births for the general population were noted. The lowest rates were found in nonagricultural regions of Minnesota, where the ratio was 23.7 per 1,000 for applicators (farmers) and 18.3 per 1,000 for the general population.

Birth defect rates were highest among infants conceived in western Minnesota during the spring, which could reflect pesticide exposure to either the mother or the father, said Garry. Garry and his colleagues also found that more boys than girls were affected, particularly in western Minnesota.

Chlorophenoxy herbicides and fungicides are commonly used in urban and suburban as well as rural areas. But while Garry recommends cautious use of lawn and garden products containing them, the study was not designed to investigate gardening use and birth defects.

Findings are based on a comparison of 4,935 births to 34,772 licensed pesticide applicators to 210,723 total births registered in Minnesota between 1989 and 1992. The most common birth defects affected circulatory, respiratory, urogenital and musculoskeletal systems. Garry plans laboratory studies to further explore the possible connection.

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UNIVERSITY OF MINNESOTA MAY STARWATCH

by Deane Morrison

Mighty Aphrodite—that is, Venus—takes a spectacular dive through the western sky during May. Other than that, the visible planets don't do much, but the stars of spring do string themselves out across the evening sky in nicely spaced intervals.

Venus comes out on May Day as a brilliant object and stays up for three-and-a-half hours after sunset. As the days go by, Venus sinks lower and lower, so that by June 1 the planet sets barely an hour after the sun. The lower Venus gets, the faster it drops; by the end of the first week in June, it will be all but lost.

While it lasts, however, Venus may put on some incredible shows. Here are a few possibilities: Venus visible in the daytime; Venus casting a shadow in very dark rural areas (on moonless nights, of course); and Venus so close that the sharpest eyed observers can make out its crescent shape without visual aid on calm nights. If none of this happens, Venus can still be fun to watch through binoculars. Its crescent shape should be visible if you can find it at or before sunset.

The other visible planets all appear in the morning sky. First comes Jupiter, rising near midnight in the Teaspoon of Sagittarius and climbing high in the south by dawn. As the month progresses, Jupiter starts rising before midnight, but it will look its best in the wee hours.

Behind Jupiter comes Saturn, in obscure Pisces, struggling to escape the band of airglow around the eastern horizon by dawn. Last and least, Mars just manages to pop into the sky behind Saturn by the end of the month.

The moon reaches fullness the morning of the 3rd, close to the time of moonset in the Midwest, so it might be best to see the moon the evening before. The full moon of May has been called the planting moon, the milk moon or the flower moon by various Indian tribes. The new moon arrives on the 17th, and the very young crescent appears with Venus the following evening. On the 19th, the crescent moon and Venus will still make a very nice pair.

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Bright stars parade across the evening sky from east to west. Leading the pack, in the western sky, is Regulus, Latin for prince, at the base of the Sickle of stars in Leo. More eastward is Arcturus, anchoring the kite-shaped Bootes, high in the south. Below Arcturus, Spica marks the ear of corn held by Virgo. And in the northeast, the stars of the Summer Triangle start to emerge, beginning with superbright Vega. Between the tail of Leo and Arcturus, look for the star cluster known as Berenice's hair.

May Day, at best a minor holiday in this country, began as the beginning of the light half of the Celtic year, when mischievous spirits were banished from the world of the living. Known as Beltane, the day falls midway between the start of spring and that of summer and was an occasion to celebrate the sprouting of the sown fields.

###

Starwatch is a monthly guide to the night sky in the Upper Midwest. For a taped version from the University of Minnesota astronomy department, call (612) 624-2001.

Contact

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4/22/96

KLOBUCHAR TO RECEIVE U OF M SCHOOL OF JOURNALISM AWARD

Jim Klobuchar, recently retired columnist for the *Star Tribune*, will receive the 1996 Award for Excellence from the University of Minnesota's School of Journalism and Mass Communication (SJMC) Alumni Society Monday, April 29, at Ted Mann Concert Hall.

Klobuchar will receive the award at a Roast of Distinction from 6 to 9 p.m. Among those scheduled to appear as "guest roasters" are *Star Tribune* columnist Barbara Flanagan, former Minnesota Viking Paul Flatley, former *Minneapolis Star* editor David Nimmer, U.S. Magistrate Jack Mason and Klobuchar's daughter Amy and brother Dick. WCCO-AM's Charlie Boone will serve as master of ceremonies.

The SJMC Award for Excellence recognizes graduates who have established a distinguished professional record over a period of years or have made a single contribution of great impact and continuing influence in the field of journalism and mass communication. Past winners include Burt Cohen, publisher of *Minneapolis-St. Paul Magazine* and *Twin Cities Business Monthly*; Betty Wilson, former *Star Tribune* political reporter; and Dave Mona, managing director of Shandwick U.S.A.

Klobuchar, a Minnesota native and 1950 graduate of the University of Minnesota, spent eight years with the Associated Press before joining the *Minneapolis Star*. He covered the Vikings before shifting to his most recent role as a columnist, and wrote hundreds of columns over the past 20 years. In 1984 he was named outstanding general columnist for newspapers with circulation of more than 100,000 by the National Society of Newspaper Columnists.

The event is open to the public. The cost is \$15, and all proceeds will benefit the SJMC Joe Kane Memorial Scholarship Fund established by Klobuchar and Mike Soffin. For reservations call (612) 625-8095. The Ted Mann Concert Hall is located at 2128 4th St. S. on the west bank of the university's Minneapolis campus.

Contact:

Linda Wilson, SJMC, (612) 625-9824

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NEW SOFTWARE ALLOWS TRAINERS AND EDUCATORS TO GO HIGH-TECH

Government-designed instructional software beneficial to educators and corporate trainers will soon be available commercially, thanks to the efforts of a government-education-business partnership aimed at transferring government research into the private sector.

The Consortium for Courseware Engineering (CCE)—which includes the University of Minnesota, the University of Bergen (Norway), CYBER Learning Co. (St. Paul, Minn.), and the United States Air Force Armstrong Laboratory—is attempting to follow the example of the U.S. space program, in which research and development designed to help astronauts ultimately led to commercial products such as Tang breakfast drink. In this case, computer software developed originally for the Defense Department may prove useful for teachers and trainers who want to go “high-tech.”

The consortium’s first commercial package, the Guide for Understanding Instructional Design Expertise (GUIDE), will be released in June. “GUIDE is a suite of software tools to help educators plan and implement technology-aided instruction,” says Robert Tennyson, Professor of Educational Psychology at the University of Minnesota and president of the consortium. “It could be used by classroom teachers, corporate trainers, professors and other educators to develop more effective training and education.”

In recognition of the consortium’s effectiveness in finding commercial applications for research—called technology transfer—CCE won the 1996 Federal Laboratory Consortium Award for Excellence in Technology Transfer. The award will be presented at a national meeting May 6–9 in Seattle, Washington.

In addition to helping government-designed instructional technology come to market, the for-profit consortium conducts basic research in advanced and emerging technologies to improve learning and instruction in a wide variety of settings. Technology has been lauded for its promise to improve both teaching and learning, but previous educational technologies have not achieved their potential because of the lack of strong theoretical and research base, according to Tennyson. “By bringing together the distinctive strengths of

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government, industry and education through this consortium we can significantly improve future applications of educational technology," he says.

The consortium was formed in 1995 to improve planning, implementation and evaluation of computer-based instructional materials available for use by a variety of educators. It is the nation's first government-university-business partnership to focus specifically on the transfer of federal computer technologies that help improve learning to nongovernment entities.

The consortium also sponsors a Summer Institute for Advanced Learning Technology through the University of Minnesota's College of Education and Human Development. Courses meet for two weeks and are designed for a wide audience, including Department of Defense training managers, industry professionals, education personnel, students in education and students in computer applications programs. This institute has been operating successfully for several years and features internationally recognized speakers in the field of instructional science. For more information on the summer institute, contact the Department of Educational Psychology, College of Education and Human Development, 612-624-3543.

Contact:

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4/23/96 bb/ji

U OF M SENIOR VP ETTORE INFANTE TO LEAVE POST JUNE 30

Ettore “Jim” Infante, the University of Minnesota’s senior vice president for academic affairs, will leave his position when his current appointment expires June 30.

Infante, also a mathematics professor at the university, has served as senior vice president since 1991 and as dean of the university’s Institute of Technology from 1984 to 1991. Before coming to the university, Infante spent five years with the National Science Foundation in Washington, D.C., and 20 years as a faculty member at Brown University.

“Jim has been an invaluable member of my management team, and his dedicated leadership will be missed,” said University President Nils Hasselmo. “He had wanted to step down last year, but I was able to persuade him to stay for another year, so that the new provostal system could be put in place. The new system is now about a year old, and much of the responsibility for Twin Cities campus academic leadership now rests with the provosts. Jim believes that in both organizational and personal terms, it is now time to return to his first love—teaching and research”

Said Infante, “I wish to return, at least for the near future, to academic activities closer to teaching, learning and scholarship—those things that have been a constant in my life.”

After consultation with regents, faculty and administrators, Hasselmo expects to name an acting senior vice president by July 1.

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U OF M REGENTS LAUNCH PRESIDENTIAL SEARCH

The University of Minnesota board of regents is beginning the search process for a new university president by holding a series of public meetings throughout the state.

In addition to four open forums—3:30 p.m. April 25 on the Twin Cities campus, 9:30 a.m. May 3 on the Crookston campus, 3:30 p.m. May 3 on the Morris campus and 2 p.m. May 15 on the Duluth campus—regents plan to meet with as many university and community interest groups as possible. Regents will also meet with representatives from the Minnesota Agri-Growth Council, the President's Minority Advisory Committee, the Minnesota State Colleges and Universities, the Minnesota Business Partnership and the Minnesota AFL-CIO Executive Committee.

University president Nils Hasselmo will retire on June 30, 1997. The regents hope to have his successor chosen by February, 1997.

The board is seeking public input on the following questions:

- What are the major challenges facing the university over the next 10 years?
- What are the most immediate issues facing a new president?
- What kind of person will be best prepared to address these challenges and issues, and provide leadership to the university?
- What is there about this university that should attract the interest of outstanding candidates?
- What are the university's greatest strengths?
- What professional experiences and personal attributes should the candidates possess?

On the basis of the public input, the regents will develop a Statement of Desired Leadership Characteristics to guide the search process. The statement should be ready by June.

An executive search firm, Korn/Ferry International, has been hired to assist in the search. The firm's primary role will be to help expand the pool of candidates, according to Tom Reagan, board chair.

"Korn/Ferry International has conducted more than 300 academic searches in the last five years for top educational institutions, including Illinois, Indiana and Iowa," Reagan said. "They have a particularly good track record in bringing forward qualified women and minority candidates and can help us extend our search to potential candidates from the academic world and beyond who might be reluctant to apply."

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RAPTOR CENTER TO RELEASE RARE HAWK SATURDAY

The University of Minnesota Raptor Center will release a red-shouldered hawk at 8:30 a.m. Saturday, April 27, in a field in Nowthen, Minn.

The hawk was found March 31 in the same field by sixth-grader Kyle Wood. The hawk had been hit by a car and was in serious condition from head trauma and blindness. At the Raptor Center, it underwent rehabilitation and recovered its sight by April 20. The bird was adopted by Lucie Walsh of Hopkins, who paid for its treatment. Kyle, Walsh and others will meet at 8:30 a.m. at the Nowthen Country Store on County Road 22 in Nowthen, then proceed to the field for the release.

Red-shouldered hawks are a species of special concern. The Raptor Center requests the public to call the center at (612) 624-4745 if anyone finds an injured hawk.

Directions to the Nowthen Country Store:

Take Highway 10 to Anoka Ferry Street exit.

Turn right on Ferry Street (Highway 47), go north about a mile past Anoka County fairgrounds.

Take County Road 5 (to the left as Ferry Street forks to the right) 8–10 miles to County Road 22.

Take a left onto County Road 22 at a four-way stop, then half a mile into Nowthen. The country store is on the right.

Contact:

MaryBeth Garrigan, Raptor Center, (612) 624-3031

4/26/96 dm

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**U OF M GRADUATE LINDA MONA
TO RECEIVE OUTSTANDING ACHIEVEMENT AWARD**

Businesswoman and volunteer Linda Mona, a 1967 University of Minnesota graduate, will receive the university's Outstanding Achievement Award during the College of Human Ecology Recognition Luncheon beginning at 11:30 a.m. Thursday, May 2, in the St. Paul Student Center Northstar Ballroom. The award is the highest honor the university bestows on its alumni.

Mona is being honored for her leadership to the university and other volunteer activities. She is owner of the design firm Creative Environments, co-owner of Field of Dreams retail stores and founder of the Independent Designers Association.

Mona served as national president of the University of Minnesota Alumni Association from 1995 to 1996, and has been a member of its executive board since 1991. She has also served on a number of other university committees including the College of Human Ecology's Collegiate Alumni Association board of directors, the Eastcliff Legacy Fund, the Ms. Athletic Advisory Board and Friends of the Goldstein Gallery.

Mona is a former director of the Girl Scout Council of Greater Minneapolis, and its president from 1992 to 1994. She is the recipient of *Minneapolis-St. Paul, Twin Cities Business Monthly* and KARE-11 television's 1995 *Woman of Distinction* Award for outstanding commitment to community service.

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Media note: Embargoed for release until 10 a.m. CDT Friday, May 10 by the Pediatric Academic Societies. Johnson can be reached at (612) 626-2928 through Monday, May 6.

CHINESE ADOPTEES HAVE FEWER PROBLEMS THAN EASTERN EUROPEAN ADOPTEES, U OF M STUDY SHOWS

Chinese orphans placed in the United States have fewer health and developmental problems than Eastern European adoptees primarily because of China's streamlined adoption process, which gets infants to adoptive parents sooner, according to a report by University of Minnesota researcher Dana Johnson.

Findings from three related studies, to be presented Friday, May 10 at the Pediatric Academic Societies' annual meeting in Washington, D.C., are based on screenings of Chinese and Eastern European children at the University of Minnesota's International Adoption Clinic and information gathered from questionnaires mailed to parents and pediatricians throughout the United States. Eastern European and Chinese orphanages are the primary source of children placed for adoption in the United States.

Health screenings of 154 Chinese infants, who ranged from about 9 to 11 months at adoption, revealed few problems: Hepatitis B was detected in 3.5 percent, and 3.7 percent had intestinal parasites. Developmental assessment of 19 infants showed that 68 percent were delayed in one or more of six areas: strength, gross motor skills, fine motor skills, language, social skills and muscle tone. But most improved rapidly after arrival in the United States. Babies were also smaller than normal, falling behind one month of linear growth for every three months in an orphanage.

Two studies of Eastern European adoptees, who were placed at about age two, showed more medical and developmental problems related to maternal health and social circumstances, as well as long stays in institutions. Medical problems ranged from dental caries, high rates of parasite infestation and chronic ear infections to fetal alcohol syndrome. Delays in development of motor, speech and social skills were more pronounced, and more Eastern European children had behavioral and attachment problems related to institutional stays. Eastern European children are placed when they are older because of slow processing of adoption paperwork.

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“Children from orphanages as a group tend to have special needs,” says Johnson, a pediatric professor and the study’s principal investigator. “Our studies indicate that Chinese infants are as healthy as any adoptees internationally. But as they grow older in Chinese orphanages, they develop the same needs as other institutionalized children. Most Eastern European children will have special needs because of their long stays in orphanages, and some have the added risk factor of fetal alcohol exposure. But in spite of these issues, most families are very happy they adopted.”

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5/1/96 ns

Memo to Business Reporters

RE: U of M source on electric utility deregulation

**From: Deane Morrison, University of Minnesota News Service,
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Last week's order by the Federal Energy Regulatory Commission that electric utilities open their transmission systems will have broad repercussions, says Bruce Wollenberg, a University of Minnesota electrical engineering professor involved in the deregulation effort.

"It means that if I have a rich uncle and can build a generator that could supply the university and I could undersell every utility in Minnesota, NSP would have to allow me to transmit the power over their lines for a reasonable charge," says Wollenberg.

Wollenberg is working on the computer systems and controls that will make the new configurations a reality. He also has worked as a consultant to a local company that is bidding to supply computer systems to three California utilities that Monday announced a new plan for electricity marketing and pricing. Wollenberg is familiar with this widely reported development.

Wollenberg can be reached this week at (612) 626-7192. Next week, he'll be at the Electric Power Research Institute in Palo Alto, Calif. To reach him there, call me.

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U OF M HOSTS JEEP/EAGLE HEALTH AND FITNESS TOUR



The Jeep/Eagle Collegiate Health and Fitness Tour, featuring two days of outdoor events and activities focusing on health, safety and athletics, will be held from 10 a.m. to 4 p.m. Thursday, May 2, and Friday, May 3, on Church Street on the University of Minnesota campus.

Activities include a 30-foot artificial rock climbing wall, a velcro fly wall, gladiator jousts, bouncy boxing and baseball, football and soccer challenges. There will also be an interactive alcohol IQ test, allowing participants to learn about themselves and their peers by comparing results with schools from across the nation. The tour features drawings for cars and cruises, and free t-shirts, squeeze bottles, fanny packs and CD holders.

In its third year, The Jeep/Eagle Collegiate Health and Fitness Tour will visit more than 100 schools in 1996, making it the largest collegiate tour in the nation. Other sponsors include Sprint, Lipton Original Iced Tea, the Discover Card, Clearly Canadian and Sony.

The event is free and open to the public. The tour is set up on a two-block area of Church Street, south of Morrill Hall (100 Church St. SE). Media vehicles are welcome to park in the Northrop Auditorium horseshoe.

Contact:

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5/1/96 mn

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SIX FINALISTS NAMED FOR U OF M LIBERAL ARTS DEAN

Six finalists have been named for the position of dean of the University of Minnesota's College of Liberal Arts, the university's largest college. They are:

- **Edwin Fogelman**, chair of political science, University of Minnesota
- **Richard Leppert**, chair of cultural studies and comparative literature, University of Minnesota
- **Janice Madden**, vice provost for graduate education and sociology professor, University of Pennsylvania
- **Stuart McDougal**, director, Program in Comparative Literature, University of Michigan, Ann Arbor
- **Barbara Nelson**, vice president, department of public policy, Radcliffe College
- **Steven Rosenstone**, program director, Center for Political Studies, Institute for Social Research, University of Michigan, Ann Arbor

The finalists were chosen from a field of 78 applicants in a national search. The 11-member search committee was headed by history professor Sara Evans.

Interviews with the candidates, as well as public forums to give members of the university community a chance to meet them, are being scheduled for late May and early June. W. Phillips Shively, provost for arts, sciences and engineering, said he hopes to make a final selection by the end of June.

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TIME LINE TO SIGN FAIRVIEW/U OF M AFFILIATION EXTENDED

The time line to finalize the agreement to affiliate Fairview and the University of Minnesota Hospital and Clinic (UMHC) has been extended to this summer because of the technical complexities of the project.

The complexities include multiple agreements affecting physicians, relationships with University of Minnesota Health System (UMHS) affiliates, and day-to-day operations of the of proposed new University Riverside division.

The original time line called for a first review of the affiliation agreement by the university and Fairview governing boards in May, with finalization and signing of the agreement in June.

“We want to proceed as carefully and deliberately as we can, given the complicated nature of the transaction,” said Joanne Jackson, university senior vice president of finance and operations. “The goal on both sides of the river is to make this affiliation work.”

“Our commitment to the affiliation continues stronger than ever,” said Rick Norling, Fairview president and CEO. “Working with the University has affirmed our belief that coming together will be extremely positive for the people of Minnesota and beyond.”

“While we successfully met earlier target dates, we now realize that meeting our self-imposed deadline to sign the agreement by late June is not possible,” Norling continued. “There are simply too many details and multiple agreements that need to be worked out, and both Fairview and the university agree that it is essential that adequate time be taken to ensure the affiliation’s success.”

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Media note: To arrange an interview with Keller, call Deane Morrison at (612) 624-2346 by May 15.

KEN KELLER TO SPEAK ON FUTURE OF RESEARCH IN MINNESOTA

Kenneth Keller, former president of the University of Minnesota, will speak on "The Future of Research in Minnesota" at 2 p.m. Thursday, May 16, in the Earle Brown Center. His talk is part of a day-long symposium to celebrate the centennial of the University of Minnesota chapter of Sigma Xi, a national science and engineering honor society.

Keller, who served as university president from 1985 to 1988, is currently the Philip D. Reed Senior Fellow for Science and Technology at the Council on Foreign Relations in New York. He joined the council in 1990 to start a program to examine the influences of science and technology on international affairs and U.S. foreign policy formulation. He remains on the University of Minnesota faculty as a professor of chemical engineering and materials science.

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U OF M SCHOOL OF MUSIC HOSTS 7TH ANNUAL PRESIDENT'S CONCERT

The University of Minnesota School of Music will perform the seventh annual President's Concert at 3 p.m. Sunday, May 19, in Ted Mann Concert Hall on the university's west bank campus.

Groups scheduled to perform include the university's orchestra, concert choir, symphonic wind ensemble, chamber singers and jazz singers. A public reception follows the performance.

Works will include *Cloudburst* by Eric Whitacre, sung by the concert choir under the direction of Kathy Saltzman Romey, and *The Continental Harp and Band Report* by Eric Stokes, performed by the wind ensemble and directed by Craig Kirchhoff. The chamber singers, under the direction of Thomas Lancaster, will perform several small pieces, including *Abschied vom Walde* and *Die Nachtigall* by Felix Mendelssohn. The jazz singers, directed by Ronald McCurdy, will announce their selections from the stage.

The event is free and open to the public.

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Note: After Friday's meeting, university President Nils Hasselmo and chair Tom Reagan will hold a briefing in 238 Morrill Hall.

U OF M REGENTS TO VOTE ON 1997 BUDGET FRIDAY

The University of Minnesota board of regents will vote on a proposed 1996-97 budget during its monthly meetings this week. Meetings are scheduled on Wednesday, Thursday and Friday (May 8, 9 and 10), with the budget vote set for Friday morning.

The budget calls for an average tuition increase of about 7 percent, or \$70 per quarter, for Twin Cities campus lower-division students taking between 8 and 16 credits per quarter.

At the request of some of the regents, administrators have prepared an alternative proposal that would increase tuition revenues by only 5 percent. Total revenues under this proposal would be reduced by about \$3 million and would necessitate reduced spending across a variety of units, including \$737,000 in reduced financial aid, a \$700,000 cut for areas under the provost for arts, sciences and engineering, \$600,000 less for research and \$450,000 less for the Duluth campus.

In addition to setting tuition, the budget establishes fee amounts for next year, including several new collegiate- or campus-level fees, many to pay for increased access to computers and new technology. Provisions have been made to limit the chance that students could be assessed computer fees by two different colleges in the same quarter for the same computer use.

Here's a schedule of committee meetings and a sample of agenda items:

Wednesday, May 8

- 3 p.m. Board of regents, 238 Morrill Hall. Non-public meeting to discuss attorney-client privileged matters and hospital marketing issues.

Thursday, May 9

- 8 a.m. Audit, 238 Morrill Hall. Review of annual internal audit plan.
- 1:15 p.m. Educational planning and policy, 238 Morrill Hall. Profile of areas under provost for professional studies.

- 1:15 p.m. Financial operations, 300 Morrill Hall. Review of university endowment spending policy.

- 3:15 p.m. Facilities, 300 Morrill Hall. Discussion of Morris campus needs.

Friday, May 10

- 9:30 a.m. Committee of the whole, 238 Morrill Hall. Vote on 1996-97 budget.

- After committee of the whole, board of regents, 238 Morrill Hall.

Contact:

**Bill Brady, bbrady@mailbox.mail.umn.edu, (612) 625-8510
5/7/96**

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U OF M SPONSORS HUMAN RIGHTS FAIR FRIDAY

The Partners in Human Rights Education, a project of the University of Minnesota Human Rights Center, will sponsor a Human Rights Fair from 10 a.m. to 3 p.m. Friday, May 10, at Como Park Pavilion.

The event will recognize the Partners Project's education efforts during the 1995-96 school year. The Partners Project has sent more than 350 lawyers, teachers and community representatives to educate more than 4,500 students around the state.

The fair features a variety of performances and displays, including theatrical portrayals of human rights activists Mohandas Gandhi, Rigoberta Menchu, Martin Luther King Jr., Sojourner Truth, Rosa Parks and Eleanor Roosevelt; an Amnesty International write-a-thon; and a "chill drill" to explore techniques for living in a nonviolent world. More than 700 students and adults are expected to attend. The event is free and open to the public.

Contacts:

Kristi Rudelius-Palmer, Human Rights Center, (612) 626-7794

Deane Morrison, News Service, (612) 624-2346

5/7/96

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JUDGE DIANA MURPHY TO SPEAK AT U OF M LAW SCHOOL COMMENCEMENT

Judge Diana Murphy will deliver the commencement address for the University of Minnesota Law School at 2 p.m. Saturday, May 11, in Northrop Auditorium.

Murphy, a judge on the U.S. Court of Appeals for the 8th Circuit, received bachelor's (1954) and law (1974) degrees from the university. She did graduate work in history at the Johannes Gutenberg University in Germany and at the University of Minnesota. She worked as a trial lawyer with the firm of Lindquist & Vennum and served as a state district judge before becoming a U.S. district judge for the District of Minnesota in 1980. She remained in that capacity until 1994, including a stint as chief judge from 1992 to 1994.

Contacts:

Terri Mische-Riebel, Law School, (612) 625-6584

Deane Morrison, News Service, (612) 624-2346

5/8/96

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U OF M SCHOOL OF JOURNALISM RECEIVES FULL ACCREDITATION

The University of Minnesota's School of Journalism and Mass Communication (SJMC) was approved for full accreditation on Saturday, May 4, by the Accrediting Council on Education in Journalism and Mass Communication (ACEJMC) at its meeting in San Francisco. The action supersedes the provisional accreditation that had been in effect since January 1995.

In Saturday's vote, the ACEJMC overwhelmingly accepted the report and recommendation of site team visitors Don Schultz, professor of integrated marketing communications at Northwestern University, and Susanne Shaw, professor of journalism at Kansas University and executive director of the ACEJMC.

The council's approval concludes a three-step re-accreditation process. In January 1995, a visiting team chaired by Schultz recommended provisional accreditation based on deficiencies in two of the 12 standards, budget and governance/administration. The university, the College of Liberal Arts and the School of Journalism had one year to address the identified deficiencies. This past February, Schultz and Shaw re-visited the school to review progress and indicated they would recommend full accreditation to the ACEJMC.

"The School of Journalism at the University of Minnesota is an excellent journalism and mass communication program despite difficulties the unit has experienced over the years," the report stated. "The students are being well educated and are proving themselves in the field and in the classroom. There is an excellent faculty in place, including a number of world-class scholars and some of the leading researchers in the field. The school has a strong Ph.D. program and continues to graduate young professors who are taking their place in the academic community."

Contact:

Linda Wilson, SJMC, (612) 625-9824

5/8/96 mn

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Editors: Please run in both metropolitan and outstate editions.

JEAN JOHNSON, WIFE OF U OF M CHANCELLOR DAVID JOHNSON, DIES

Jean Johnson, 63, wife of University of Minnesota, Morris Chancellor David Johnson, died Friday, May 10, in Morris of cancer.

Johnson was an English teacher and secretary who later completed studies in librarianship and began her favorite work, serving in the reference departments of the public libraries in St. Cloud and Mankato.

She is survived by her husband, David, Morris; daughter, Jennifer of Bloomington; sons, Andrew of Minneapolis and Stephen of Vermillion, S.D.; aunts, Borghild Berger and Mathilda Sageng of Fergus Falls, Evangeline Burton of St. Paul, Olga Jacobsen of Minneapolis; brother-in-law Kent and wife Birgit Johnson of Bloomington; several cousins and many friends.

Johnson is preceded in death by her parents, Ronald and Maria (Sageng) Lunnis. Graduate Minneapolis Central H.S., 1950; B.A., Gustavus Adolphus College, 1954; M.S., St. Cloud State University, 1980. Former resident of Decorah, Iowa; Oslo, Norway; Stroudsburg, Pa.; St. Cloud and St. Peter, Minn.

Memorials are preferred to the libraries at Luther College, Gustavus Adolphus College or University of Minnesota, Morris. Visitation at Pedersen Funeral Home, Morris, from 6 to 8 p.m. Monday, May 13. Services at Assumption Catholic Church, Morris, Tuesday, May 14, at 11:30 a.m. Interment at 2 p.m. Wednesday, May 15, at Lutheran Cemetery, Decorah, Iowa.

Contacts:

Nina Shepherd, University News Service, (612) 624-0214

Judy Riley, University Relations, Morris, (612) 589-6050

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NOVELIST TONI MORRISON TO DELIVER CARLSON LECTURE

Author Toni Morrison, winner of the 1993 Nobel Prize for Literature, will deliver a Distinguished Carlson Lecture at 12:15 p.m. Monday, May 13, in Northrop Auditorium at the University of Minnesota.

Morrison has asked that radio and television broadcasters record only the first five minutes of her lecture. After that time, broadcast media are welcome to sit in the press section for the remainder of the lecture.

Still photographers will be required to remain on the press platform throughout the speech, and Morrison has requested that no flash photography occur at any time.

A press section will be reserved on the west side of the auditorium, closest to the stage. Signs will direct you to the press entrance, where you will be asked to check in.

Morrison's six major novels have received extensive critical acclaim. She also won the 1988 Pulitzer Prize for *Beloved*, the 1977 National Book Critics Award for *Song of Solomon*, the 1978 Distinguished Writer Award from the American Academy of Arts and Letters and the 1994 Condorcet Medal of the École Normale Supérieure and Collège de France. In March, the National Council on the Humanities named Morrison Jefferson Lecturer, considered the nation's highest honor for intellectual achievement.

The Distinguished Carlson Lecture Series is managed by the Humphrey Institute's Office of Development and External Relations. The lectures are made possible through a \$1 million grant from Curtis L. Carlson, founder and chair of the Minneapolis-based Carlson Companies Inc.

Contact:

Gwen Ruff, Humphrey Institute, (612) 625-1326

5/10/96 mn

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MARKHAM RESIGNS AS U OF M FACILITIES MANAGEMENT HEAD

Sue Markham, associate vice president for facilities management at the University of Minnesota, has resigned, effective June 14. Robert Schenkel, director of operations in the Department of Facilities Management who has worked closely with Markham on organizational restructuring over the last six years, has been named acting associate vice president. Senior Vice President JoAnne Jackson has asked Treasurer Roger Paschke to chair a search committee to find a permanent replacement, and has asked that the committee complete its work within 90 days. Schenkel has said he has no desire to be a candidate for the permanent position.

Markham was recruited to the university in 1990 by the late senior vice president for finance, Gus Donhowe, to address issues raised by a 1988 state legislative audit of what was then called Physical Plant Operations.

"Sue Markham has provided strong leadership in restructuring and modernizing our facilities services," Jackson said. "At a time when the university is facing significant financial and organizational challenges, Sue's expertise in strategic planning, asset management, finance and just plain good business sense will be sorely missed."

During Markham's tenure, the Department of Facilities Management decentralized its service delivery structure, established new fiscal management policies and introduced industry-based work management practices. Markham has also been administrative leader for the effort to renew the university's steam production facilities. She will remain under contract on an as-needed basis to finalize the permitting of that project. Paschke will be interim administrative leader for the project, with engineering support from Jim Sebesta of Sebesta, Blomberg and Associates.

Two major issues facing the university in the facilities area are the need to address a \$1 billion backlog in deferred facilities renewal and a continuing shortfall in building maintenance funds. "I have considerable confidence in the demonstrated expertise of Facilities Management staff to assist us in addressing this long-standing problem and ensuring proper facilities stewardship of this institution," Jackson said.

Contact:

Wayne Nealis, Facilities Management, (612) 624-2863

5/13/96 bb

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MIDWEST COCA-COLA TO PRESENT \$6 MILLION CHECK TO U OF M DURING SPRING JAM '96

To kick off a partnership formed last fall, Midwest Coca-Cola Bottling Company representatives will present a \$6 million check to the University of Minnesota at the annual Spring Jam Student Festival between 1 and 1:15 p.m. Thursday, May 16, on the university's Coffman Union Plaza.

The \$6 million check is the first payment of an exclusive 10-year beverage contract signed last year between Midwest Coca-Cola and the university. Of the \$6 million, \$1.1 million will help fund Gopher women's athletics and \$4.9 million will add to the university's overall discretionary fund.

On hand for the check presentation will be Paul Gunderson, general manager of Midwest Coca-Cola; McKinley Boston, the university's vice president of student development and athletics; and student representatives.

Spring Jam '96 will feature food and live music and is sponsored by the Minneapolis Student Union Program Council, the university's Interfraternity and Panhellenic councils and the St. Paul Student Center.

Contacts:

Bill Brady, University of Minnesota News Service, (612) 625-8510
Kevin Morris, Midwest Coca-Cola Bottling Company, (612) 456-1260

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Kevin Morris, Midwest Coca-Cola Bottling Company, (612) 456-1260

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KELLAR GIFT WILL BRING SCHOLARS TO U OF M LAW SCHOOL

Curtis Kellar, a 1940 graduate of the University of Minnesota Law School, has given the Law School \$175,000 to establish a program in memory of his father. The Horatio Ellsworth Kellar Distinguished Visitors Program will be interdisciplinary in nature and is expected to bring distinguished scholars to the Law School for lectures and meetings with faculty and students.

A resident of New York, Curtis Kellar entered law practice after serving in the military during World War II. Now retired, he is a former associate general counsel for Mobil Oil and a former member of the Law School Board of Visitors.

Contacts:

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Deane Morrison, News Service, (612) 624-2346

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CORRECTION: UNIVERSITY OF MINNESOTA JUNE STARWATCH

The University of Minnesota June Starwatch contained an error in the date of the summer solstice. The actual date in the Midwest is June 20.

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Starwatch is a monthly guide to the night sky in the Upper Midwest. For a taped version from the University of Minnesota astronomy department, call (612) 624-2001.

Contact

Deane Morrison, (612) 624-2346, dmorris@mailbox.mail.umn.edu

5/28/96

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Media note: Tsiang is available for media interviews from 9 to 9:30 a.m. on Monday, June 3, at the St. Paul Student Center. Call Dani O'Reilly at (612) 624-3235.

YIEN-SI TSIANG TO RECEIVE HONORARY DOCTOR OF LAWS DEGREE FROM THE UNIVERSITY OF MINNESOTA

Yien-si Tsiang, credited as a key architect of the "Taiwan Economic Miracle," will receive an honorary doctor of laws degree from the University of Minnesota during the College of Agricultural, Food and Environmental Sciences commencement ceremony at 3 p.m. Sunday, June 2, in Northrop Auditorium.

In addition, Tsiang will speak on "The Integration of Science, Education and Economic Development in Today's World" at a St. Paul convocation at 9:30 a.m. Monday, June 3, in the St. Paul Student Center theater. It is free and open to the public.

Born in Hangchow, Chekiang, Tsiang received his master's and doctoral degrees from the College of Agriculture at the University of Minnesota. He spent almost four years teaching and conducting corn experiments at the college before beginning his career in agricultural development and public service in the Republic of China.

Tsiang is a former executive officer and secretary general for the Chinese-American Joint Commission on Rural Reconstruction (JCRR). He has also served in key positions in the Chinese government including secretary general of the Executive Yuan (Cabinet), minister of education, secretary general under President Chiang Ching-kuo, minister of foreign affairs, secretary general of the ruling Kuomintang party, national policy adviser, and secretary general and senior adviser to President Lee Teng-hui.

The honorary degree, the highest award conferred by the University of Minnesota, is awarded to individuals who have achieved eminence in cultural affairs, public service or a field of knowledge and scholarship.

Contact:

**Dani O'Reilly, College of Agricultural, Food and Environmental Sciences,
(612) 624-3235 (w), (612) 338-7612 (h)**

5/28/96 ji

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**THOMAS FISHER NAMED DEAN OF U OF M'S
COLLEGE OF ARCHITECTURE AND LANDSCAPE ARCHITECTURE**

Thomas Fisher, former editorial director of *Progressive Architecture* and *Building Renovation* magazines, has been named dean of the University of Minnesota's College of Architecture and Landscape Architecture.

Fisher was chosen from a field of 38 candidates in a national search process that began last fall. He will assume the post July 1, pending approval by the university's board of regents.

Before joining the staff of *Progressive Architecture* in 1982, Fisher served as a historical architect with the Connecticut State Historical Preservation Office from 1979 to 1981, a historian with the Historic American Engineering Record in 1979 and a regional preservation officer with the Western Research Historical Society from 1976 to 1978. Fisher received a bachelor's degree from Cornell University and a master's degree from Case Western Reserve University.

As an editor, writer and lecturer, Fisher is known for raising questions about the role of the architect in today's society, for stressing the importance of historical preservation and for strengthening input through diversity.

"Tom Fisher has very strong support for this position because of his vision, inclusive style, administrative skills and demonstrated leadership," said university provost of professional studies C. Eugene Allen. "His work as an editor and on design juries at many universities provided him with the opportunity to write and lecture on a broad array of topics. From these experiences he has gained an outside perspective on university design programs and related professions. In this environmental era, our program must be more integrative and holistic to successfully address some serious societal issues. I am confident that this is at the core of Tom's vision. Thus, I am delighted that a person with his background and qualifications has accepted this key position."

Contacts:

Nina Shepherd, University News Service, (612) 624-0214

Joan Nassauer, Landscape Architecture, (612) 625-6568

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Media note: Krebs will be available for interviews at 3 p.m. Friday, May 31. Call Deane Morrison at (612) 624-2346.

MARTHA KREBS, DIRECTOR OF OFFICE OF ENERGY RESEARCH, TO SPEAK AT U OF M COMMENCEMENT FRIDAY

Martha Krebs, director of the Office of Energy Research (OER) in the Department of Energy (DOE), will speak at commencement exercises for the University of Minnesota's Institute of Technology at 7 p.m. Friday, May 31, in Northrop Auditorium.

As OER director, Krebs manages one of the largest sponsors of basic research in the federal government. OER has an annual budget of about \$3 billion, which funds DOE programs in basic energy sciences, high-energy and nuclear physics, health and environmental research, fusion energy and scientific computing. She has held the position since November 1993.

In addition, Krebs is science and technology adviser to the DOE, advising the DOE secretary on science and technology issues that cut across DOE programs. She also is responsible for managing several non-weapons DOE laboratories and for developing DOE policy for both weapons and non-weapons laboratories.

Before assuming her current position, Krebs spent 10 years as associate laboratory director for planning and development at the Lawrence Berkeley Laboratory. Before that she was staff director of the Subcommittee on Energy Development and Applications of the House Committee on Science and Technology.

Krebs received bachelor's and doctoral degrees in physics from Catholic University of America, with a research specialty in statistical mechanics.

Contact:

Deane Morrison, News Service, (612) 624-2346

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MARTHA KREBS, DIRECTOR OF OFFICE OF ENERGY RESEARCH, TO TOUR SOUDAN MINE THURSDAY

Reporters are welcome to accompany Martha Krebs, director of the Office of Energy Research (OER) in the Department of Energy (DOE), as she tours the University of Minnesota's Soudan Laboratory, located underground in the Soudan Mine State Park, at 1:30 p.m. Thursday, May 30. A reception for Krebs will be held from 3:30 to 4:30 p.m. in the laboratory. Attending will be Congressional and state agency representatives from northern Minnesota. Reporters are requested to call lab manager Bill Miller at (218) 753-6611 to arrange elevator service to the laboratory. He also can give directions to the site.

As OER director, Krebs manages one of the largest sponsors of basic research in the federal government. OER has an annual budget of about \$3 billion, which funds DOE programs in basic energy sciences, high-energy and nuclear physics, health and environmental research, fusion energy and scientific computing. She has held the position since November 1993. In addition, Krebs is science and technology adviser to the DOE, advising the DOE secretary on science and technology issues that cut across DOE programs. She also is responsible for managing several non-weapons DOE laboratories and for developing DOE policy for both weapons and non-weapons laboratories.

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Krebs will deliver the commencement address for the University of Minnesota's Institute of Technology Friday, May 31.

Contact:

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BOB GOWER, LYONDELL PETROCHEMICAL CHIEF, RECEIVES U OF MINNESOTA ALUMNI AWARD

Bob Gower, president and CEO of Houston-based Lyondell Petrochemical Co., will receive the Outstanding Achievement Award from the University of Minnesota board of regents during commencement exercises for the university's Institute of Technology Friday, May 31. The award, the highest given to alumni, recognizes exceptional achievement in a professional field.

Gower received bachelor's and master's degrees in chemistry from Southern Illinois University and a doctorate in organic chemistry from the University of Minnesota. He began his career as a research scientist with Sinclair Oil and subsequently held a variety of positions with Atlantic Richfield Co. (ARCO), which acquired Sinclair in 1969. In 1985, Gower became president of Lyondell, an ARCO subsidiary. He has been CEO at Lyondell since 1989. He is credited with transforming a group of declining divisions into a profitable company in less than a year as part of a major ARCO restructuring.

In addition to his career responsibilities, Gower is president of Houston's Communities in Schools program, a dropout prevention project, and a director of the Texas Commerce Bank, also in Houston.

Contact:

Deane Morrison, (612) 624-2346

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DONALD BARNES RECEIVES U OF MINNESOTA ALUMNI AWARD

Donald Barnes, a plant geneticist responsible for improving stocks of alfalfa, will receive the Outstanding Achievement Award from the University of Minnesota board of regents during commencement exercises for the College of Agricultural, Food and Environmental Sciences Sunday, June 2. The award, the highest given to alumni, recognizes exceptional achievement in a professional field.

Born in Minneapolis, Barnes graduated from Minnetonka High School in 1953 and received bachelor's and master's degrees in agronomy and plant genetics, respectively, from the university. In 1962, he received a doctorate in plant genetics from Pennsylvania State University.

Barnes is known for his work with the Agricultural Research Service of the U.S. Department of Agriculture, his employer from 1962 to 1995. He is credited with several significant improvements to alfalfa, one of the world's most valuable forage crops. He has been elected a fellow of the Crop Science of America and the American Society of Agronomy. In 1974, he was appointed an adjunct professor in the University of Minnesota department of agronomy and plant genetics. He retired in 1995.

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OSCAR SCHOTT TO RECEIVE U OF M ALUMNI AWARD

Oscar Schott, founder and board chair of Schott Corp., will receive the Outstanding Achievement Award from the University of Minnesota board of regents during commencement exercises for the university's Institute of Technology Friday, May 31. The award, the highest given to alumni, recognizes exceptional achievement in a professional field.

Born in Hinckley, Minn., Schott attended Minneapolis Business College and earned a bachelor's degree in electrical engineering from the university. A leader in designing and developing magnetic and power devices for the Apollo missions and for Skylab, he also pioneered new magnetic components and power supplies for mainframes and supercomputers. In 1951 he founded the Schott Corp., which today designs and manufactures high-quality transformers, inductors, magnetic components and power supplies for the telecommunications and computer industries, the medical community and the military.

Schott is also a longtime supporter of the university's programs, including the Bell Museum of Natural History and the electrical engineering department, where he fostered the birth of a power electronics program.

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Deane Morrison, (612) 624-2346

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Media note: Carlson will be available for photos on the steps of Northrop Auditorium at 12:30 p.m. Photos may also be taken during the ceremony.

**CURT CARLSON, DUANE OTTENSTROER
TO RECEIVE U OF M ALUMNI AWARDS JUNE 9**

The University of Minnesota will present two of its highest alumni awards to businessmen Curt Carlson and Duane Ottenstroer at the Carlson School of Management's commencement ceremony, at 10 a.m. Sunday, June 9 in Northrop Auditorium.

Carlson, class of 1937, founder, chair and CEO of Carlson Companies, Inc., will receive an honorary doctor of laws degree in recognition of leadership in philanthropic causes, community activities and international relations.

Commencement speaker Duane Ottenstroer, class of 1968 and president of Eventide Investments, will receive an Outstanding Achievement Award in recognition of his professional achievement and community involvement.

Carlson, the namesake of the Carlson School of Management, led the university's Minnesota Campaign, which surpassed its \$300 million goal and set a new fund-raising standard for public universities. A member of the Carlson School's Board of Overseers, he chaired the campaign to establish the Hubert H. Humphrey Institute of Public Affairs and has served on the University of Minnesota Foundation board of trustees. He is co-founder the Boys and Girls Club of Minneapolis and a founding member of the Five Percent Club, now known as the Minnesota Keystone Club. He has been active in Swedish-American affairs as a volunteer leader, international business person and fund-raiser on behalf of the Swedish government and Swedish-American organizations.

Ottenstroer co-founded and served as president of The Unit Companies, a national leader in warehousing and logistics services before founding Eventide Investments, a private venture capital firm. A resident of Jacksonville, Fla., he is active in a wide range of community affairs and serves on the boards of the Jacksonville Community Foundation, St. Vincent's Foundation and the Powers Foundation. He holds a state appointment to the Florida Historical Preservation Advisory Council and is a member of the Carlson School's Board of Overseers.

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'MINNESOTA GENIUS GRANTS' HONOR TEN U OF M FACULTY

Ten top University of Minnesota faculty members will each receive \$100,000 through the new Distinguished McKnight University Professorship Program.

Dubbed "Minnesota genius grants," the new professorships recognize outstanding mid-career scholars who have recently achieved the rank of full professor. Awards are to be used over five years at the recipients' discretion for research, scholarly or artistic activities. Recipients carry the title Distinguished McKnight University Professor as long as they remain at the university.

Recipients are nominated by their home departments and chosen by a committee of prominent faculty. In the future, five recipients will be named each year. The program is administered by the Graduate School, with funds from an earlier endowment from the McKnight Foundation in conjunction with the university's Permanent University Fund.

Here are the 1996 awardees:

- Frank Bates, chemical engineering and materials science, known for pioneering achievements in synthesizing and characterizing new materials
- Bianca Conti-Fine, biochemistry (College of Biological Sciences), a leading researcher on the mechanisms of autoimmune diseases
- James Fetzer, philosophy (Duluth campus), who has made substantial contributions to the philosophy of science, computer science, artificial intelligence and cognitive science
- John Freeman, political science, a specialist in how the push for democracy often conflicts with the goal of economic growth
- Megan Gunnar, Institute of Child Development, whose work has revealed much about how children's emotions are affected by stress hormones and social factors
- Patricia Hampl, English, known for her memoirs, *A Romantic Education* and *Virgin Time*, as well as poetry, fiction, essays and book reviews
- Timothy Kehoe, economics, a theorist and authority on how economic change in one small part of the economy might affect all related segments of the economy
- Hon Cheung Lee, physiology, a prominent researcher in the field of intracellular calcium regulation, which has implications for many cell and organ functions
- Gordon Legge, psychology, who has invented several devices for aiding and diagnosing low vision and whose research on persons with low vision has had a major impact on brain and behavioral sciences
- David Tilman, ecology, evolution and behavior, who has probed the mathematical underpinnings of ecology and demonstrated the importance of species diversity

More on the recipients is available on the Web at <http://www.grad.umn.edu>.

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DAN JANZEN, SAVIOR OF TROPICAL FORESTS, TO RECEIVE HONORARY DOCTORATE FROM U OF M

Daniel Janzen, the driving force behind Costa Rica's innovative efforts to save its forests, will receive an honorary doctor of science degree from his alma mater, the University of Minnesota, during commencement exercises for the College of Biological Sciences at 7:30 p.m. Saturday, June 8, in Northrop Auditorium.

Janzen, who grew up in Minneapolis, received the 1980 Crafoord Prize for his studies of how radically different species co-evolve to work in harmony or to oppose each other. The Crafoord Prize is given by the Royal Swedish Academy, which also confers Nobel Prizes in chemistry and physics, to supplement the Nobel in fields not covered by its categories.

In the mid-'80s, Janzen began an effort to conserve tropical forests with a three-stage strategy: save what's left, find out what's been saved, and put it to work for society, said ecology professor Franklin Barnwell.

Janzen led a worldwide campaign that raised \$12 million to buy land and establish the 280-square-mile Guanacaste National Park in Costa Rica. He then set out to inventory the estimated 500,000 species in the Costa Rican national parks. To this end he organized and trained a volunteer corps of lay people, including teachers, housewives, mechanics, and even a bartender and lay preacher, to collect and catalog the species. This ongoing project marks the most intensive effort by any tropical nation to survey its natural biological assets, Barnwell said.

To ensure the continued value of intact forest, Janzen found ways to put the knowledge gained by the inventory to work for such purposes as ecotourism and the development of pharmaceutical and cosmetic products, horticultural plants, foods and industrial products. In exchange for this information, developers would pay royalties to support the parks. For example, Janzen worked to negotiate a contract between the National Biodiversity Institute—which he helped establish—and Merck & Co., giving Merck bioprospecting rights in Costa Rican national parks in exchange for royalties on international sales of products developed from natural chemicals. The arrangement provided a model for all nations to save rapidly eroding biodiversity.

“By working with the Costa Rican government, which is the Central American model of constitutional democracy, Janzen has been able to produce models of conservation enlightenment for the world,” said Barnwell.

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RAPTOR FEST RAISES FUNDS TO REHABILITATE INJURED RAPTORS

The University of Minnesota Raptor Center will host Raptor Fest '96, a fundraising event, from 6 to 9:30 p.m. Thursday, June 20, at the Lafayette Country Club on Lake Minnetonka.

The events will feature live raptors, hors d'oeuvres, auction items from restaurants and theaters, an auction for the chance to release a rehabilitated hawk or owl and special guest radio and TV personalities. Proceeds will benefit the center, a non-profit organization that annually treats hundreds of sick and injured birds of prey.

Tickets are \$35, with corporate tables seating 10 available for \$300. To order tickets, call (612) 624-4745. The Lafayette Country Club is at 2800 Northview Road, Minnetonka Beach.

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6/10/96 dm

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News Release

Media notes: For credentials and lodging information regarding Family Re-Union V in Nashville, call Princine Lewis or Jennifer Brantley at (800) 818-6953 or (615) 259-4000.

The conference will be available on satellite at:

Satellite: SBS 6
Transponder/Channel: 12
Position: 74 degrees West
Frequency: 11994.5 Mhz
Polarity: vertical

A test will run from 8 to 8:30 a.m. CDT; programming runs from 8:30 a.m. to noon CDT and 1:45 to 5 p.m. CDT.

VICE PRESIDENT GORE TO MODERATE U OF M CO-SPONSORED CONFERENCE ON WORK AND THE FAMILY

The difficulties of balancing work and family life will be explored at "Family Re-Union V: Family and Work," a conference to be moderated by Vice President Al Gore and his wife, Tipper, and sponsored by the University of Minnesota's Children, Youth and Family Consortium and the Tennessee legislature's Select Committee on Children and Youth.

The fifth in a series of annual family policy conferences moderated by the Gores, it will be held Monday, June 24, at the Tennessee Performing Arts Center's Polk Theater in Nashville.

Conferees will explore strategies for dealing with the conflict between home and work and will examine successful workplace initiatives. They will hear from experts, discuss personal experiences and help produce solutions to problems facing working families.

"Parents are torn between the demands of work and the needs of their families," said Gore. "The stress they're under isn't good for their children, and it isn't good for their jobs. We will achieve a healthy balance only when we change the way we think about this problem."

"To ensure healthy families and a productive business climate, we need to build new partnerships across all sectors of our communities," said Marti Erickson, director of the university's Children, Youth and Family Consortium. "That's what Family Re-Union is all about."

This is the third straight year the consortium has co-sponsored the conference and the fifth year it has been moderated by the vice president and Mrs. Gore.

Contact

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SUSPECT APPREHENDED BY U OF M POLICE IN JUNE 11 GUNSHOT INCIDENT

University of Minnesota Police have arrested 36-year old Jennifer Joan May in association with the June 11 shooting incident which took place in the University of Minnesota president's office.

The arrest took place today, Saturday, June 11, at approximately 11 a.m. at 3401 Pillsbury Ave. S. in Minneapolis.

Police Chief Joy Rikala said May became a focus of the investigation after witnesses were able to view a composite sketch and pick her picture out of photo line-ups, and after University Police investigators were able to confirm that she had prior contact with the president's office.

A Minneapolis residence was searched last night pursuant to a search warrant. Rikala said that when University Police went to re-interview her this morning, May turned over a gun and admitted to her involvement in the incident.

May is currently in Hennepin County Jail where she has been placed on a 36-hour hold. University Police expect her to be charged early next week.

May was a University of Minnesota employee from approximately 1981 to 1991.

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University News Service, (612) 624-5551; pager (612) 880-3056

University of Minnesota Police, (612) 624-3550

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Media note: Parking is available in the horseshoe driveway directly north of Morrill Hall. Enter Morrill through the north doors close to Northrop Auditorium.

**SUSPECT APPREHENDED BY U OF M POLICE ;
NEWS CONFERENCE AT 4 P.M. TODAY SATURDAY, JUNE 15**

University of Minnesota Police Chief Joy Rikala will hold a news conference today Saturday, June 15 in room 238 Morrill Hall to discuss the apprehension of a suspect in the June 11 gunshot incident in the University of Minnesota president's office. The suspect is in custody.

The incident happened at approximately 10 a.m. Tuesday, June 11, when the suspect entered the reception area outside the president's office and demanded to see the president. After being told she had to wait, the suspect became increasingly agitated, then pulled a gun from her purse and fired a single shot into the ceiling. No one was injured in the incident.

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10TH ANNUAL U OF M TURTLE DERBY THURSDAY, JUNE 20

Approximately 100 racy reptiles will vie for the title "Grandest Turtle of All" at the 10th annual Turtle Derby on Thursday, June 20, at the University of Minnesota University-Variety Hospital for Children. Turtles will race between 10:30 a.m. and 1 p.m. in Diehl Plaza, on the north side of University of Minnesota Hospital, with finals starting at about 12:30 p.m.

Turtles are sponsored by university and hospital departments, who also compete for the cleverest names. This year's contestants include Sam N. Ella and Turtellini. Proceeds benefit Child Family Life Services at the hospital.

Winner of the annual turtle drawing contest is nine-year-old pediatric patient Tara Burkholder of Alexandria, Minn. Tara's drawing, which was selected from 100 entries, and winning drawings from past years are featured on T-shirts that will be sold during the event. In recognition of Turtle Derby's 10th anniversary, past winners will return to join in the celebration.

Clowns, music, face painters and food also will be featured at the derby.

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Note: After Friday's meeting, university President Nils Hasselmo and board chair Tom Reagan will hold a briefing in 238 Morrill Hall.

U OF M REGENTS TO DISCUSS TENURE CODE REVISIONS

The University of Minnesota board of regents will review proposed revisions to the tenure code from the university administration and faculty during its monthly meetings this week. Meetings are scheduled on Thursday and Friday (June 13 and 14) in Morrill Hall, with the tenure discussion set for Friday morning.

The faculty proposal, passed by the faculty senate last week, includes:

- provisions for post-tenure performance reviews that can result in pay cuts
- option for individual colleges and units to extend the pre-tenure probation period from six years (the current standard) to nine years
- a separate category of non-tenured faculty, such as clinical medicine specialists, who would serve under fixed-term contracts
- provision to tie tenure to base salary only, in effect giving the administration flexibility with clinical practice pay, summer session salaries, etc.
- clarification of the authority of department heads and chairs to assign duties

The administration will support the faculty proposal and will present additional modifications. This marks the beginning of the regents' tenure review discussions, which are expected to take several months.

Here's a schedule of committee meetings and a sample of agenda items:

Thursday, June 13

- 8 a.m. Faculty, staff and student affairs, 300 Morrill. Discussion of process for determining tuition and financial aid levels.
- 8 a.m. Facilities, 238 Morrill. Review of proposed tennis and hockey facility.
- 10:15 a.m. Educational planning and policy, 300 Morrill. Progress report on programmatic realignment in Professional Studies.
- 10:15 a.m. Financial operations, 238 Morrill. Action on changes to university endowment spending policy.
- 2:15 p.m. Committee of the whole, 238 Morrill. Discuss proposed employee code of conduct as required by National Institutes of Health.
- 3:15 p.m. Board of regents, 238 Morrill. Non-public meeting to discuss hospital marketing issues and attorney-client privileged matters.

Friday, June 14

- 9:30 a.m. Committee of the whole, 238 Morrill. Discussion of proposed changes to tenure code.
- 11 a.m. Board of regents, 238 Morrill.

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Media note: "Family Re-Union V" from Nashville will be available on satellite at:

**Satellite: SBS 6
Transponder/Channel: 12
Position: 74 degrees West
Frequency: 11994.5 Mhz
Polarity: vertical**

Programming runs from 8:30 a.m. to noon CDT and 1:45 to 5 p.m. CDT.

MINNESOTA COMMUNITIES TO PARTICIPATE VIA SATELLITE IN U OF M SPONSORED CONFERENCE ON FAMILY AND WORK

Several Minnesota community groups will participate via satellite in a national conference Monday, June 24, on the challenges of balancing work and family life. "Family Re-Union V: Family and Work" will be moderated by Vice President Al Gore and his wife, Tipper, and sponsored by the University of Minnesota's Children, Youth and Family Consortium and the Tennessee Legislature's Select Committee on Children and Youth.

The fifth in a series of annual family policy conferences moderated by the Gores, it will be held at the Tennessee Performing Arts Center in Nashville and telecast via satellite to hundreds of sites around the country, including at least seven in Minnesota. The university's Minnesota Extension Service will coordinate the satellite telecast.

Minnesota sites where the conference can be viewed live include:

- Room 42 of the Earle Brown Center on the university's Twin Cities campus in St. Paul. Call (612) 624-1751 for information.
- Hubbard County Courthouse, 301 Court Street, Park Rapids. Call (218) 732-3391.
- Lake of the Woods County Courthouse, Baudette. Call (218) 634-1511.
- Ramsey County Extension Office, 2020 White Bear Ave., St. Paul. Call (612) 777-8156.
- Rice County Courthouse, 218 3rd Street N.W., Faribault. Call (507) 332-6109.
- Sherburne County Government Center, 13880 Highway 10, Elk River. Call (612) 241-2720 or (800) 433-5236.
- Swift County Courthouse, Benson. Call (320) 843-3796.

The conference is scheduled from 8:30 a.m. to 5:00 p.m. The university site will telecast the entire day. Other sites will broadcast only the morning session, after which participants will discuss work and family issues in their communities and prepare written feedback that will be sent to the vice president for consideration in family policy recommendations.

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UNIVERSITY OF MINNESOTA JULY STARWATCH

by Deane Morrison

Jupiter assumes the front and center position in the evening sky this month. In the morning sky, Venus rises out of the predawn twilight and meets an old crescent moon in a spectacular pairing.

Venus, our sister planet, becomes ruler of the dawn in July. Having disappeared from the evening sky in June, it now climbs in the morning twilight, rising three hours before the sun by the end of the month. Early in July, Venus closely follows Aldebaran, the orangish star in the Hyades cluster of Taurus. As the days pass, however, the star ascends faster than the planet; by the 31st, Venus will be closer to the bull's horns than to its eye, which Aldebaran represents.

Mars accompanies Venus into the sky, appearing to the left of its brighter companion. The red planet doesn't make a very good appearance this month, though. Not until fall does Mars get high enough to break free from the glow of morning twilight.

Saturn appears in the middle of the night and is well up in the south at dawn. Not especially bright, the ringed planet can be found below the eastern side of the Great Square of Pegasus.

Jupiter shines steadily above the handle of the Teapot of Sagittarius, between the Teapot and the tiny Teaspoon of stars just to the northeast. Jupiter and Saturn will be up together after midnight. If you have an unobstructed view of the sky, you may catch Venus, Saturn and Jupiter strung across the sky from east to west during the wee hours before dawn. On the 4th, Jupiter moves into position directly opposite the sun and so will be visible all through the night.

The moon starts the month just a couple of hours past full. It wanes in the morning sky, appearing near Saturn on the 7th and the Hyades on the 11th. The morning of the 12th, the thin crescent hugs Venus in a spectacular embrace, something well worth getting up for. The thinning crescent dwindles to a new moon on the 15th.

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At 3 a.m. CDT on the 30th, the moon makes its closest approach of the year, only 221,800 miles from Earth. (The average distance is about 239,000 miles.) July's full moon, called the thunder moon or hay moon, arrives at 5:30 a.m. the same morning.

Stars abound for the evening viewer. If skies are dark, the Milky Way stands out as a faint band of light stretching almost directly north-south. To the south, Scorpius makes its best appearance of the year, while just to the east, the Teapot of Sagittarius appears to pour its contents onto the scorpion's tail. Above Sagittarius, the Summer Triangle of bright stars is coming into prominence. Brightest and most westerly is Vega; Deneb is to the east and Altair the south. In the western sky, the spring constellation Leo is being drawn over the horizon. In the southwest, Spica, the brightest star in Virgo, heads for a similar fate. The big bright star high in the west is Arcturus, the centerpiece of Bootes, the herdsman.

On the eastern side of Bootes, Corona Borealis, the Northern Crown, hangs like an upside-down tiara, at least as seen by the southward-looking viewer. Gemma, its appropriately named brightest star, is set in the middle of the semicircle of stars.

Earth reaches aphelion, its farthest distance from the sun, at noon on the 5th. At that moment the sun will be 94.3 million miles away, about 3.1 million miles farther than at perihelion in January.

###

Starwatch is a monthly guide to the night sky in the Upper Midwest. For a taped version from the University of Minnesota astronomy department, call (612) 624-2001.

Contact

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6/19/96

NEW 'U' PUBLIC HEALTH PROGRAM TO BRING MORE PEOPLE INTO HEALTH CARE DECISIONS

Widening the range of people who make decisions about community health care systems is the goal of a three-year University of Minnesota study being funded by an \$839,000 grant from the W.K. Kellogg Foundation.

"There is a growing demand for city managers, school boards and corporate leaders to share in a decision-making partnership with traditional health care organizations such as hospitals, HMOs, insurers and physicians," said Mary Jane Madden, assistant professor in the School of Public Health and principal investigator for the study. "The Health System Leadership Program (HSL) will develop a model for communities to establish those partnerships."

The grant was awarded to the university's ISP (independent study program) executive study program for health care administration, directed by Vernon Weckwerth, professor in the School of Public Health.

HSL will examine how health care can be managed in the face of new technology, how community needs can be identified and addressed and how resources can be used cost effectively. "Failure to develop integrated leadership and networks will lead to diminished access to emerging medical technology, to increasingly inadequate health services and failure to recognize and deal with how cultural factors affect communities," Madden said.

"It's a compliment to the university and to ISP that Kellogg has chosen us to develop this new and much needed method for involving communities in health care policies and systems," said university President Nils Hasselmo. "In addition to enhancing the university's and the state's reputations as health care leaders, the potential benefits extend to people worldwide."

The Kellogg Foundation was established in 1930 to "help people help themselves through the practical application of knowledge and resources to improve their quality of life and that of future generations."

ISP has a 30-year track record of outreach and education that has built a network of more than 2,600 health care executives in every state and 30 other nations. The network includes 13 ministers of health.

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COSMETICS INVENTOR MAURICE SPIEGEL TO RECEIVE U OF M AWARD

Maurice Spiegel, founder of cosmetics manufacturer Lamaur Inc., will receive an Outstanding Achievement Award from the University of Minnesota's board of regents at noon Thursday, June 27, at Jax Cafe in Minneapolis. The award is the highest honor the university bestows on its alumni.

Born in Minneapolis in 1906, Spiegel earned a bachelor's degree in pharmaceutical chemistry from the university in 1927. In 1930 he founded Lamaur Cosmetics in the basement of his home, and in 1952 he invented "Style," the first water-soluble hair spray. Spiegel then went on to develop a variety of personal grooming and hair-care products, including permanent-wave solutions, shampoos and hair dyes. In 1987, he sold Lamaur Cosmetics to Dow Chemical Co. for \$174 million.

Besides his entrepreneurial successes, Spiegel was also one of Northwest Airlines' first passengers on the company's maiden flight to Chicago, and owned the first car phone in Minnesota—a 1949 Motorola that filled the entire trunk of his car. At nearly 90 years of age, he enjoys golf and fishing.

Jax Cafe is located at 1928 University Ave. N.E.

Contact:

Sue Eastman, (612) 624-8038

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Note: For pictures of Friedman and Prescott, go to the "regents profs" file at the news release Web site noted below.

TWO NEW REGENTS' PROFESSORS NAMED AT U OF M

The University of Minnesota board of regents has named two new Regents' Professors. Avner Friedman, director of the university's Institute for Mathematics and Its Applications (IMA), and economics professor Edward Prescott are the latest to receive this highest of faculty honors.

A native of Israel, Friedman received his doctorate in mathematics from Hebrew University and held positions on the faculties of several American universities before coming to Minnesota in 1987. He has been lauded for his leadership of IMA, which brings together academic and industrial representatives from around the world to apply mathematics to real-world industrial problems. As a scholar, he's known for his contributions to differential equations, which are used to design better industrial products and to understand physical and engineering processes. He has served as president of the Society for Industrial and Applied Mathematics, and his honors include election to the American Academy of Arts and Sciences and the National Academy of Sciences.

Prescott, an economics professor at the university since 1980, has made major contributions to macroeconomic theory. In particular, he is known for his work in establishing the field of real business cycle theory, which deals with how changes in such things as technology and public finance affect economic fluctuations. Prescott has also made a name for himself as a mentor of graduate students. Prescott's honors include election as president of the Society for Economic Dynamics and Control, as a fellow of the Econometric Society and as a member of the American Academy of Arts and Sciences.

Friedman and Prescott replace retiring Regents' Professors Rutherford Aris, chemical engineering, and Frank Sorauf, political science.

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7/1/96

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Media note: University President Nils Hasselmo, Academic Health Center Provost Frank Cerra and Senior Vice President for Finance and Operations Jo Anne Jackson will be available to reporters in Room 300 Morrill Hall immediately following the discussion. Copies of the draft agreement will be available at 11 a.m. Thursday, July 11, in Room 6 Morrill Hall.

MEDIA ADVISORY:

**U OF M REGENTS TO REVIEW REPORT, RESOLUTION ON
FAIRVIEW/UNIVERSITY AFFILIATION AT JULY 11 MEETING**

□ FINAL VOTE ON MONDAY, JULY 29

The University of Minnesota board of regents will review a university report summarizing the key components of a final agreement on the affiliation between the university and Fairview Health System at 2 p.m., Thursday, July 11 in Room 238 Morrill Hall.

Regents will also review a resolution giving university administration the authority to implement the transaction. Regents will vote on that resolution at a special meeting Monday, July 29.

The report outlines details of the proposal, including the new division's governance, financial structure (including transfer of assets), medical staff organization, human resource policies and operational and legal concerns.

Fairview's board of trustees will review the agreement the week of July 22. If both boards pass the resolution, a definitive agreement is expected to be signed by university and Fairview administration at the end of summer.

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7/8/96

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Media Notes: University President Nils Hasselmo, Academic Health Center Provost Frank Cerra and Senior Vice President for Finance and Operations Jo Anne Jackson will be available to reporters in Room 300 Morrill Hall immediately following Thursday's meetings. Hasselmo and regents board chair Tom Reagan will hold their regular post-meeting briefing Friday, about noon in 238 Morrill Hall.

REGENTS TO REVIEW NEXT STEP IN U OF M-FAIRVIEW AFFILIATION

The University of Minnesota board of regents will review a report summarizing the key components of a final agreement on the affiliation between the university and Fairview Health System at 2 p.m. Thursday, July 11, in Room 238 Morrill Hall. Regents will also review a resolution giving university administration authority to implement the transaction. (Action on the resolution is scheduled at a special meeting Monday, July 29.)

The regents agenda also includes a report on the university's tuition and financial aid levels compared to other institutions, an update of the ongoing tenure policy review and an overview of university programmatic and financial plans for 1997-99.

Here's a schedule of committee meetings and a sample of agenda items:

Wednesday, July 10

- 3 p.m. Audit, 238 Morrill. Update on grants management project.

Thursday, July 11

- 8 a.m. Educational planning and policy, 238 Morrill. Report on program for orientation of new students.
- 8:30 a.m. Financial operations; 300 Morrill. Update on travel policy.
- 10 a.m. Faculty, staff and student affairs, 238 Morrill. Report on comparisons of tuition and financial aid.
- 10 a.m. Facilities, 300 Morrill. Update on private-partnership housing projects.
- 2 p.m. Committee of the whole, 238 Morrill. Discussion of regents' policy on tenure and university-Fairview affiliation.

Friday, July 12

- 9 a.m. Committee of the whole, 238 Morrill. Discussion of programmatic and financial plans for 1997-99 and a review of the master plan for Twin Cities campus.
- 11:30 a.m. Board of regents, 238 Morrill.

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TILL NAMED INTERIM DEAN OF U OF M SCHOOL OF DENTISTRY

Michael Till, professor of preventive sciences, has been named interim dean of the university's School of Dentistry by Frank Cerra, provost of the University of Minnesota Academic Health Center, pending approval by the university's board of regents on July 11. Till's appointment will begin July 15.

Till, who has been a member of the university's faculty since 1970, received degrees from the University of Iowa, and a doctorate in education from the University of Pittsburgh. He is past president of the Minnesota Dental Association and currently serves on the Board of Trustees of the American Dental Association.

Formerly the chair of the university's department of pediatric dentistry, Till is known for his advances in teaching future dentists preventive care for children. In 1982 he founded the school's No Cavity Clinic, one of the first clinical programs in the country to focus on preventive care.

"Dr. Till has the experience and skills necessary to effectively lead the School of Dentistry during its critical period as we complete the search for a permanent dean," Cerra said. "Dr. Till is well known in the community, is popular with the students, and has worked closely with organized dentistry in Minnesota and nationally."

"I am looking forward to the challenge of continuing the progress of the School of Dentistry," Till said, "and I am looking forward to working with the faculty and staff of the School of Dentistry as well as the entire Academic Health Center."

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7/10/96 ns

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Media note: Gruessner can be reached at 625-1485.

MINNESOTA'S FIRST BOWEL TRANSPLANT PATIENTS GO HOME; MEDIA BRIEFING FRIDAY, JULY 12

- First Minnesotan to receive cadaver bowel transplant**
- First ever father-to-son transplant**

Minnesota's first bowel-transplant patients and their surgeon, University of Minnesota surgery professor Ranier Gruessner, will speak to reporters at 11 a.m. Friday, July 12, in the University of Minnesota Masonic Cancer Center's Hegman Conference Room, 424 Harvard Street in Minneapolis.

Carl Knutson, 33, of Jordan, became the first Minnesotan to have a successful cadaver-bowel transplant. Knutson, whose operation was performed May 14, became a transplant candidate after 90 percent of his small bowel was removed in multiple surgeries for Crohn's disease.

Seventeen-year-old David Tillery sustained severe intestinal injuries and a broken back in an accident that occurred on his 16th birthday. Since his June 21 surgery—which involved transplanting a six-foot segment of his father's small bowel—Tillery has gained 16 pounds and can eat anything he wants.

"This is the best birthday present I could have," said Tillery, who looks forward to celebrating his 18th birthday next month. Confined to a wheelchair since the accident, Tillery hopes the transplant will help him regain enough strength to learn to walk with leg braces.

Tillery's father, Johnnie, 56, a sheet-metal fabricator, was released from the hospital a few days after the transplant and has completely recovered. The father-to-son transplant is the first of its kind in the world.

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7/11/96 as

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UNIVERSITY OF MINNESOTA AUGUST STARWATCH

by Deane Morrison

August is meteor month, and this year's ought to be really good. Jupiter continues to dominate the southern sky, while in the east, the Great Square of Pegasus and Saturn make their evening appearance.

Venus holds sway in the morning sky, nestled among the winter stars of Orion and Gemini. By the end of the month, the stars and Venus will have rearranged themselves so that the planet appears between Pollux, in Gemini, and Procyon, in Canis Minor.

Mars, a faint reflection of Venus' glory, rises behind and a little higher than its bright companion. Mars is about as dim as it gets, but binoculars will help pick out the red planet from the morning haze.

Jupiter is well up in the south as the sky darkens, floating above the Teapot of Sagittarius. Almost half a sky away, Saturn rises in the east in late evening. The ringed planet appears below the eastern edge of the Great Square of Pegasus in a region devoid of bright stars.

A year ago, Jupiter was near Antares, the red star in Scorpius, the constellation just west of Sagittarius. Saturn was then below the center of the Great Square. Both planets have moved eastward with respect to the backdrop of stars, but Jupiter has covered a greater distance, a result of its faster speed as it orbits the sun.

The moon starts August just past full and wanes in the morning sky. It appears close to Venus on the 10th, then sinks into the morning twilight over the next three days. The new cycle begins on the 14th. The waxing moon visits Jupiter on the 24th and becomes full on the 28th. This full moon, called the green corn moon or grain moon, rises below the western edge of the Great Square. Two nights later, the waning moon visits Saturn.

Just below Sagittarius lies the center of our galaxy, invisible through the interstellar dust that blocks our line of sight. Our solar system revolves around the center once every 200 million years, but is also moving in the direction of Deneb, the northeasternmost star in the Summer Triangle. Deneb marks the tail of Cygnus, the swan, which is also called the Northern Cross. A supergiant white star, Deneb is a whopping 1,600 light-years away but still appears very bright because it packs the luminosity of 60,000 suns.

West of Deneb shines Vega, the second star in the Summer Triangle. The star's name comes from the Arabic for "falling eagle," the figure the ancient Arabs associated with the constellation Lyra, the lyre. To the south, Altair completes the Triangle. The brightest star in Aquila, the eagle, Altair lies only 16.8 light-years away. West of the Triangle, brilliant Arcturus marks the kite-shaped Bootes, the herdsman, as it hangs upright over the western horizon.

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August's main event happens on the 12th, when the annual Perseid meteors reach their peak. The moon, a mere sliver in the morning sky, will pose no difficulty, so only clouds and city lights can spoil the show. Look in the wee hours to find the most meteors, which will radiate from the northeast at rates approaching 100 per hour. Lie in a lawn chair or on a blanket, and you could have a good hour or two of viewing without getting a sore neck.

If you're looking for a holiday, consider Lammas on the 1st. This ancient Celtic feast is a cross-quarter day, falling halfway between a solstice and an equinox. Okay, it's not exactly halfway, thanks to discrepancies that surfaced when the ancient Celtic lunar year was reconciled with the modern solar year. But that quibble aside, Lammas marks a joyful time, the beginning of the harvest. The Celts called it Lughnasaid, the wedding of the sun god Lugh to the earth goddess, who was fertile with growing crops. The Christian church made it a day to offer up the first fruits of farmers in thanksgiving. Early-harvested grain was baked into bread, which was offered at a Loaf Mass, a term that became corrupted to Lammas. Groundhog Day, May Day and Halloween are the modern versions of the other cross-quarter days.

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Starwatch is a monthly guide to the night sky in the Upper Midwest. For a taped version from the University of Minnesota astronomy department, call (612) 624-2001.

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7/18/96

YOUTH ALCOHOL USE REDUCED BY U OF M'S PROJECT NORTHLAND

An alcohol prevention project developed by University of Minnesota researchers has proven to reduce alcohol consumption among sixth, seventh and eighth grade Minnesota students.

Project Northland, a three-year prevention program implemented in 24 northern Minnesota communities, has shown a 28 percent decrease in the number of students who began using alcohol by the end of the eighth grade; a 19 percent decrease in the number of students who said they consumed alcohol in the past month; and a 29 percent decrease in the number of students who said they consumed alcohol in the past week.

The program, which began in 1991, uses a variety of preventive interventions including skills training, parental involvement and alcohol-free extracurricular activities.

"What makes the program unique is that it engages students, parents, teachers and community members," said Cheryl Perry, university epidemiology professor and one of Project Northland's principal investigators. "Students are learning behavioral strategies from peer leaders. Rather than adults telling the kids what to do, it is their peers leading discussions about why kids their age start to drink, and how they can resist influences to drink."

Last month Project Northland was rated among the nation's best drug-prevention programs by Washington-based Drug Strategies. Results of this study appeared in this week's *American Journal of Public Health*.

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7/19/96 tj

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INNOVATIVE WAY OF DELIVERING CHEMOTHERAPY NOW AT U OF M

The University of Minnesota Cancer Center is now one of only five centers nationwide to perform a blood-brain barrier disruption, a new method of delivering chemotherapy to patients with malignant brain tumors.

The procedure, which was performed at the university for the first time this month, enables drugs to penetrate the barrier of blood vessels protecting brain tissue, allowing chemotherapy drugs direct access to the brain tumor.

“This therapy allows 100 times more therapeutic drugs to reach the tumor than delivering the drugs intravenously,” said Dr. Walter Hall, associate professor of neurosurgery and radiation oncology at university. “The technique holds promise for delivering new treatments currently under development, such as immunotoxins,” Hall added.

The National Cancer Institute estimates this year there will be 17,200 new cases of brain and other nervous system cancers in the United States, resulting in 13,300 deaths.

The university’s Cancer Center is currently offering blood-brain barrier disruption therapy to patients who have a high-grade malignant glioma, as well as some other malignant brain tumors.

Persons interested in the treatment should contact their physician or call Sharon Erickson at (612) 625-4993.

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News Release

Media note: Senior Vice President for Finance and Operations Jo Anne Jackson, University Academic Health Center Provost Frank Cerra and board of regents chair Tom Reagan, along with Fairview CEO Rick Norling and CFO James Fox will be available to reporters in Room 238 Morrill Hall immediately following the meeting.

MEDIA ADVISORY:

U OF M REGENTS TO VOTE ON U/FAIRVIEW AFFILIATION RESOLUTION IN SPECIAL SESSION MONDAY, JULY 29

The University of Minnesota board of regents will vote on a resolution giving the university administration final authority to implement the proposed affiliation between the university and Fairview Health System at a special session beginning at 10 a.m. Monday, July 29, in Room 238 Morrill Hall.

If the board passes the resolution, a contract is expected to be signed by the representatives from the two organizations by September 30.

The session will follow a meeting of the board of regents audit committee at which regents are expected to review an internal audit quarterly report and approve a new dean of the College of Liberal Arts.

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U OF M'S CARLSON SCHOOL RECEIVES GIFT FOR SCHOLARSHIPS AND INTERNSHIPS FROM DONALDSON COMPANY

The Donaldson Company is honoring its retiring chair and CEO William Hodder with a \$750,000 gift to the University of Minnesota's Carlson School of Management to create the William A. Hodder-Donaldson Company Scholars Program. The program will support scholarships and internships at the Donaldson Company for Carlson School MBA students.

Hodder, who joined the Donaldson Company as president in 1973, has served as the company's CEO for 14 years, and as chair and CEO for 12 years. He is retiring July 31.

Hodder has been a long-standing member of the Carlson School's board of overseers and co-chaired the Carlson School's highly successful \$45-million building campaign, producing an architecturally and technically advanced business school building, to be completed in 1998.

In recognition of his service to the university, Hodder was awarded the highly coveted Regents' Award by the university earlier this summer. A ceremony conferring the award will be held this fall.

The Donaldson Company is contributing \$500,000 to the Carlson School to support Hodder-Donaldson Scholars. MBA students will receive full tuition for two years, and teaching or research assistantships during the academic year. The balance of the gift, \$250,000, goes to support summer internships for the scholars at the Donaldson Company. Mentoring by Donaldson Company executives is also ensured under the program. The program will support two students in the first year and four each year thereafter.

"In creating this scholarship program, we developed a new model for support that goes beyond simply writing a check," said Donaldson CEO William Van Dyke. "The internships and mentoring will ensure that we will stay closely involved with the students and with the Carlson School, which we feel is a fitting way to honor Bill Hodder while making an investment that will serve the Donaldson Company well into the future."

Bloomington-based Donaldson Company is a worldwide manufacturer of filtration products, ranging from in-plant cleaning systems to air filters for computer disk drives and personal respirators.

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7/28/96 ns

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U OF M'S COLLEGE OF LIBERAL ARTS NAMES ROSENSTONE NEW DEAN

Steven Rosenstone, professor of political science and program director of the Center for Political Studies at the University of Michigan, has been named dean of the University of Minnesota's Twin Cities campus College of Liberal Arts (CLA). CLA is the university's largest college, enrolling more than 14,000 undergraduates on the Twin Cities campus.

Rosenstone, an award-winning teacher and leading scholar on electoral politics, has a doctorate in political science from the University of California, Berkeley, and held a faculty appointment at Yale University before going to the University of Michigan in 1986.

"CLA needs to be widely recognized for its breadth of instruction and the unparalleled contributions of its students, faculty and alumni," said Rosenstone. "I'm excited about coming to the University of Minnesota, and look forward to the challenges ahead at this pivotal time in higher education."

"Rosenstone's energy, vision and leadership were compelling, not only to the search committee but throughout the college," said Sara Evans, CLA professor and chair of the CLA dean search committee. "His national reputation for academic excellence, his love of teaching, his commitment to diversity and his relish for the challenges CLA faces gave those who met him a sense of hope and possibility. We look forward to working with him."

"I am very pleased with the work of the search committee in selecting such an excellent candidate," said university President Nils Hasselmo. "Professor Rosenstone is well versed in the issues facing higher education and will bring exciting ideas and much energy to the College of Liberal Arts."

The university's board of regents approved Rosenstone's appointment on Monday, July 29. He will begin Oct. 15.

Contact:

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7/29/96 mn

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U OF M REGENTS GIVE U ADMINISTRATION AUTHORITY TO IMPLEMENT U/FAIRVIEW AFFILIATION

The University of Minnesota board of regents passed a resolution today (Monday, July 29) giving the university administration final authority to negotiate and implement the proposed affiliation between the university and Fairview Health System. A final contract is expected to be signed September 30 and implemented January 1, 1997.

The decision to pursue the affiliation with Fairview was reached after extensive market analysis and discussion of several business options the university might pursue to fulfill its research and education mission. The affiliation protects the university from the financial risk associated with operating a hospital in a competitive health care market and provides access to the large number of patients necessary to maintain world-class education and research.

“Not only are we creating a model to protect our education and research mission, we are also creating a model that will be used throughout the academic world,” said university President Nils Hasselmo. “We are building on something very old in Minnesota— public and private partnership. This is truly a historic moment.”

“The regents’ action today was especially significant,” said Richard Norling, Fairview president and CEO. “As representatives of the citizens of Minnesota, the regents must review proposals such as this Fairview-University affiliation with a critical eye for what is best for the future of the university and the people of Minnesota. These agreements between the Fairview Health System and the University of Minnesota will help ensure that the university’s medical mission of research and education will continue to be fulfilled, and we are proud to be a part of that.”

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U OF M JOINS FORCES WITH HEALTHPARTNERS, INCLUDING ST. PAUL RAMSEY MEDICAL CENTER

The University of Minnesota Academic Health Center has entered into a five-year educational affiliation with HealthPartners Institute for Medical Education to collaborate in training resident physicians, fellows and other health care professionals.

Under the agreement, HealthPartners physicians and pharmacists (who are also university faculty) will train university medical and pharmacy students and residents at St. Paul-Ramsey Medical Center and other HealthPartners sites. The arrangement also lays the groundwork for expanding clinical training to other health care professions.

“This agreement strengthens our long-standing association with HealthPartners,” said Frank Cerra, provost of the Academic Health Center. “It enables us to continue to provide quality clinical training for our students and residents and to conduct research that will improve the health of all Minnesotans. Our new affiliations with Fairview and HealthPartners demonstrate that we are fully committed to working with organizations throughout Minnesota to carry out our education, research, patient care and service missions. We are a community-wide resource available to all.”

Students and residents in the university’s School of Medicine, School of Nursing and College of Pharmacy have trained at St. Paul-Ramsey Medical Center since 1945.

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STANDDOWN '96 AT U OF M WILL ASSIST VETERANS IN NEED

The University of Minnesota will host *StandDown '96*, a respite from homelessness for veterans and their families, from 5 a.m. Friday, Aug. 2, to noon Sunday, Aug. 4, at the recreation fields located at 133 19th Ave. S. on the university's west bank. In military terminology, a stand-down is a brief break from combat. *StandDown '96* will give veterans and their families a break from the battles of homelessness, unemployment and personal, medical and legal problems.

Opening ceremonies are scheduled for 1:30 p.m. Friday. A 2 p.m. press availability will follow. Participants in the opening ceremonies include congressmen, mayors and generals. Media are welcome to take escorted site tours anytime during the weekend.

Last year's event included medical, dental, eye, foot and psychological exams for veterans and their families, as well as psychiatric care, legal aid, shelter, food, clothing, jobs and training services, information about social security and veterans benefits and substance-abuse counseling. These services and more will be provided during this year's event.

StandDown is a growing national movement of veterans helping veterans. According to the National Coalition for Homeless Veterans, there are approximately 500,000 homeless veterans nationwide. In Minnesota there are over 2,300 homeless veterans, with nearly 1,300 in Hennepin and Ramsey counties combined.

StandDowns will be held in more than 40 states this year. It is a volunteer event involving veterans, private organizations, city, state and federal agencies and anyone concerned about the growing problem of homelessness.

Contacts:

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Bill Lindboe, StandDown, (612) 436-6880 or (612) 210-3267 (cellular)
Judy Hubal, StandDown, (612) 433-3407 or (612) 747-8842 (cellular)

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SUBJECTS NEEDED FOR U OF M CANCER STUDY

University of Minnesota researchers seek subjects for a clinical study of a new cancer treatment. The treatment involves inhaling a spray of fat globules (liposomes) that enclose the anticancer drug interleukin-2. Patients will take the treatment three times daily for one to three months.

To be eligible for the study, patients must be over 18, generally healthy, with small tumors in the lungs. The tumors must have originated in the kidneys and spread to the lungs but to few other organs. For more information or to register, call Linda Johnson at (612) 625-5411.

Contact:

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**Media note: For tours of the center
call Todd Taubert, (612) 725-4766.**

AUTO, TRUCK EMISSIONS STUDIED AT U OF M'S NEW DIESEL RESEARCH CENTER

The University of Minnesota's department of mechanical engineering has established a Center for Diesel Research (CDR) to study ways to limit air pollution caused by engine emissions from trucks, buses, cars and other vehicles. The new facility will offer research and educational opportunities for mechanical engineering students: outreach programs and workshops will make the facility available to the general public.

The University's acquisition of the state-of-the-art center, located at 5629 Minnehaha Ave. in Minneapolis, was made possible as a result of the recent closing of the U.S. Department of the Interior's Bureau of Mines.

CDR previously operated as the Diesel Technology Research Group, a division of the Bureau of Mines. After the bureau's closing earlier this year, the center, its research instruments and equipment became part of the University's department of mechanical engineering. Ten scientists from the former research group were hired by the university to work in the CDR.

"This venture is an example of something positive resulting from government downsizing," said CDR researcher Win Watts.

"CDR will expand on and improve existing research on engine emissions," said mechanical engineering professor David Kittelson, center co-director. "We are excited about new opportunities that this facility provides us."

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U OF M CLEARED OF GENDER DISCRIMINATION IN VET MED CASE

A federal jury today (August 12) found that the University of Minnesota did not discriminate or retaliate against two former university professors on the basis of gender.

The decision, handed down by an eight-member jury, was unanimous on all four counts of gender discrimination and retaliation.

The case was filed by Patricia Olson and Shirley Johnston, both former professors in the university's College of Veterinary Medicine, and tried under U.S. District Court Judge David Doty.

"The university was confident that we would win this case," said university attorney Lorie Gildea.

"I am very grateful that this is over," said David Thawley, dean of the College of Veterinary Medicine. "It is time to look ahead and put this matter behind us."

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U OF M TO OFFER GUARANTEED FOUR-YEAR GRADUATION PLAN

Beginning this fall, students entering the University of Minnesota will be offered the option of a guaranteed four-year graduation plan. Students who sign up for the plan will be guaranteed access to the classes needed to graduate within four years. If a student can't enroll in a class because it's full, the university will either approve a substitute course or pay the tuition for any remaining required courses after four years.

It has always been possible to graduate from the university in four years, but this is the first time the university has offered a guarantee. The program, detailed in a letter sent to all incoming students and their parents last week, will primarily benefit students who have selected a major and are willing to commit to a timely, organized four-year course outline.

"What we are telling our students is that if they agree to do everything necessary to complete their studies in four years, the university will guarantee to provide the courses they need when they need them," said Marvin Marshak, senior vice president for academic affairs. "This is about removing institutional barriers and fulfilling the goals of President Hasselmo's *University 2000* strategic directions."

Participating students must successfully complete 15 credit hours per quarter to graduate in four years. There is no penalty for students who sign up for the plan and decide later to pursue other opportunities that extend their education beyond four years. The guarantee does not apply to all majors.

"The university wants students to make educational choices that are appropriate for their life and future," said university president Nils Hasselmo. "Each person's aspirations are different. Some students may delay graduation to pursue new-found academic interests or employment opportunities. But for those students who want to complete their degree in four years, the university will do everything possible to ensure that they reach that goal."

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Media note: Bruste in can be reached at (612) 624-1855 until Wednesday (Aug. 14) afternoon. He arrives at the Hilton, (212) 586-7000, Wednesday night. For a review copy of his book, call Elena Sharnoff at Yale University Press, (203) 432-0971.

LOGIC OF NAZISM AUTHOR MEETS CRITICS IN NEW YORK AUG. 18

Ordinary Germans joined the Nazi Party not out of a sadistic desire to help Hitler destroy the Jews, but rather for practical economic reasons, claims University of Minnesota sociology professor William Bruste in his new book, *The Logic of Evil*.

Bruste in, whose ideas clash sharply with those expressed in Daniel Jonah Goldhagen's book *Hitler's Willing Executioners?*, will meet a panel of critics from 4:30 to 6:30 p.m. Sunday, Aug. 18, at the New York Hilton and Towers during a meeting of the American Sociological Association (ASA).

After studying 42,000 Nazi Party records dating from 1925 to 1933, Bruste in concluded that practical economic factors played the biggest role in ordinary Germans' decisions to join the party.

"Nazis were protectionist, against free trade," said Bruste in. "So one would predict that workers in industries that required protection were more likely to join. That was the case—many more workers in areas like woodworking, construction and foodstuffs joined than did export-oriented workers, who favored free trade. I argue that evil as an outcome can have logical, mundane origins. The Nazi Party appealed to pocketbook interests. It could have happened anywhere."

Bruste in will discuss his book with three critics: Martin Lipset, sociology professor at George Mason University and former president of the ASA and the American Political Science Association; William Gamson, sociology professor at Boston College and former ASA president; and Helmut Anheier, sociology professor at Rutgers University.

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U OF M REGENTS HOLD ANNUAL RETREAT AUG. 18-19

The University of Minnesota board of regents will hold its annual summer retreat Sunday and Monday, August 18 and 19, at Ruttger's Bay Lake Lodge north of Lake Mille Lacs near Deerwood, Minn. The discussions will be informal, with no action items. The main agenda item will be a discussion of the board's vision for the university as it searches for a new president and prepares for the 21st century. Regents will also discuss reform of faculty tenure policy.

Here is the agenda for the two days:

Sunday, Aug. 18

- 4 p.m. Regents policy: faculty tenure

Status report and discussion with Richard Chait, consultant, Center for Higher Education Governance and Leadership, University of Maryland

Monday, Aug. 19

- 8 a.m. Board's vision for the university
 - Input from individual interviews with regents
 - Collective view of desired future path
 - What it will take to achieve future goals
 - Effective and consistent communication of regents view
- 1 p.m. Assess morning discussion/identify follow-up actions
- 2 p.m. Board operational items

Contact

Bill Brady, bbrady@mailbox.mail.umn.edu, (612) 625-8510

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FRANK ENFIELD, RETIRED PROFESSOR OF GENETICS, DIES

Franklin Enfield, retired professor in the department of genetics and cell biology, died of lymphoma on Aug. 6 at his home in Stillwater. He was 62.

Born on a family farm near Woolstock, Iowa, Enfield received a bachelor's degree from Iowa State University in 1955, a master's degree from Oklahoma State University in 1957 and a doctorate from the University of Minnesota in 1960. All three degrees were in animal breeding.

Enfield joined the university faculty as an assistant professor of animal science in 1960 and by 1970 had risen to full professor in the genetics and cell biology department. He maintained an active schedule of teaching and research in the field of population and quantitative genetics, performing much of his genetics work on flour beetles. He retired in June 1995.

"Frank displayed a superb balance in the contributions he made, both inside and outside the university," said Ross Johnson, head of the genetics and cell biology department. "While faculty members are expected to participate in teaching, research and service, very few achieve excellence in all three areas. Frank was one of these people. He was also active in his church and with his apple orchard, and his interests in quantitative genetics led to an avocation in the field of dog breeding."

"I have told innumerable people that Frank was the best adviser a graduate student could have," said Nancy Hartung, a former doctoral student of Enfield's who is now an associate professor of biology at the University of St. Thomas. "What made him the best was that Frank cared about other people first. That was reflected in the incredibly well-balanced life he led, filled with family and friends, dog shows, racquetball, fishing trips, orchard and garden, and teaching and research."

Enfield is survived by his wife, Maxine; son, Mark, of Stillwater; daughters Marsha (David) Chizek of Fridley and Kathy of Racine, Wis.; sister, Mae Nelson, of Clear Lake, Iowa; five grandchildren; and several cousins, nieces and nephews.

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RESEARCHERS AT U OF MINNESOTA CANCER CENTER DEVELOP NEW TREATMENT FOR MOST COMMON FORM OF ADULT LEUKEMIA

University of Minnesota Cancer Center researchers have developed a new therapeutic agent that attacks myeloid leukemia and clears the way for clinical trials, which could begin within a year. Bruce Blazer, associate professor of pediatrics, Daniel Vallera, professor of therapeutic radiology, and graduate student Chung-Huang Chan and their colleagues will publish their work in the August 15 issue of *Blood*.

"Myeloid is one of the most common forms of adult leukemia, and it currently has a very poor prognosis," said Blazer.

Researchers fused interleukin 3 (IL3, an immune system protein) with diphtheria toxin to create the therapeutic agent. IL3 travels through the bloodstream and attaches to cells that have IL3 receptors, such as myeloid leukemia cells. One molecule of diphtheria toxin will kill a cell. IL3 also attacks some healthy cells, but enough blood-forming stem cells survive to prevent irreparable harm to patients, said Blazer.

Currently, diphtheria toxin fused to the immune protein interleukin 2 is being used in clinical trials to treat other forms of leukemia. Before clinical trials with IL3 can begin, scientists must develop a process to produce the new agent and obtain necessary approvals.

A leader in cancer research since 1911, the university formed the Cancer Center in 1991 to coordinate cancer-related programs. More than 200 faculty and staff are members of the center. The university receives more than \$20 million a year in research grants from the National Cancer Institute and other federal sources.

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U OF M'S HUMPHREY INSTITUTE TO STUDY ST. PAUL YOUTH

The University of Minnesota's Humphrey Institute of Public Affairs has been awarded more than \$250,000 by the Northwest Area Foundation to study the factors that affect the school and work successes of St. Paul youth.

The study will look at whether schools are adequately preparing young people to become productive members of society, what factors other than school help prepare young people for adulthood, whether young people are ready to enter the workforce and, once there, whether wages are adequate to sustain a family. The study will also focus on why St. Paul youth drop out of high school, what factors lead students to attend and graduate from college and what factors contribute to a student's readiness to work.

"This project is an ideal example of applying a multidisciplinary approach to some of society's most perplexing questions," said G. Edward Schuh, dean of the Humphrey Institute.

The study will build on the Youth Development Study (YDS), an ongoing, eight-year study of how work affects adolescents' mental health. The YDS has collected data from more than 1,000 St. Paul youth, beginning when they were age 14 or 15. "These are precisely the ages and time periods that are so important in obtaining an education and developing work skills," said Dennis Ahlburg, adjunct professor of industrial relations at the Humphrey Institute. "We want to understand what propels some young people into jobs with living wages and viable careers and others into welfare dependency and poverty."

Along with Ahlburg, university researchers include Sanders Korenman from the Humphrey Institute, Brian McCall from the Carlson School of Management and sociology professor Jeylan Mortimer.

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UNIVERSITY OF MINNESOTA SEPTEMBER STARWATCH

by Deane Morrison

This year's harvest moon slips in and out of Earth's shadow, marking the last total lunar eclipse in the United States until the year 2000. The eclipse caps an otherwise uneventful month in the heavens, except for the rapid plunge of the sun through the sky as it races toward winter.

The eclipse begins when the full moon, circling eastward, encounters the faint penumbra of Earth's shadow shortly after 7 p.m. on the 26th. The moon first touches the umbra, or dark inner shadow, at 8:12 p.m., and totality begins at 9:19 p.m., when the moon is entirely swallowed by the umbra. The eclipse reaches its height at 9:54 p.m., and totality ends at 10:29 p.m., when our normally bright satellite begins to emerge into the penumbra. By half-past midnight, the show will be over and the moon will have freed itself from the penumbra.

If you have the time, grab some binoculars and watch the umbra crawl across the face of the moon, claiming craters and other rough surface features one by one. By the onset of totality the moon's appearance will have changed, but exactly how is hard to say. In some eclipses the moon appears reddish, the result of the world's sunsets and sunrises refracting their ruddy glow into Earth's conical shadow. Sometimes the moon simply appears gray or even an invisible black. Whatever the color, the moon will pass through the northern part of Earth's shadow this time around, so the northern part of the moon should have the least shading.

Unlike solar eclipses, the lunar variety can be seen simultaneously everywhere the moon is visible. The reason is simple; if the moon has a shadow on it, the shadow will be seen by everyone who sees the moon. In a solar eclipse, however, the moon drags its shadow across the face of the Earth, a process that takes some time. Solar eclipses occur almost twice as often as lunar, but lunar are a little more egalitarian in their visibility and present no danger to anyone's eyes.

Apart from the eclipse, the harvest moon always fascinates because it rises relatively sooner from night to night than at other times of year. That's because at the time of the fall equinox, the full moon is always on the northward curve of the moon's sinuous orbit. As it moves north on subsequent evenings, we in the Northern Hemisphere see it sooner than we otherwise would. On average, the moon rises about 50 minutes later each day. But at this time of year, the fullish moon shows up only 30 or 25 minutes later each evening. This gives farmers a good source of light for working late in the fields.

The sun does just the opposite during September. It drops precipitously southward, and the rapidly shortening days become quite noticeable. The effect is strongest at

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the time of the autumnal equinox, the midpoint of the sun's decline. This year the moment occurs at 1 p.m. CDT on the 22nd. After that, the sun will be directly overhead only at locations south of the equator. It returns to the northern sky at the spring equinox in March.

Aside from the harvest moon, the night sky offers a good view of Saturn, which is up pretty much all night for the whole month. The ringed planet reaches opposition—the point in its orbit directly opposite the sun—just a few hours before the eclipse. During the eclipse, Saturn will be just below the moon and may brighten as the moon darkens. Saturn, in Pisces, is ever so slowly wending its way eastward from a star-poor area of sky toward the abundantly endowed realm of Taurus and other bright constellations.

Jupiter, also an evening planet, adorns the western sky for a few more months. The king of planets shines just above the Teapot of Sagittarius, which will soon disappear over the horizon. Now is a good time to see Jupiter before it gets washed out in the afterglow of sunset.

Morning-side, Venus makes a nice appearance in the east. Mars, a little higher and much fainter than Venus, pulls up and away from its brighter companion as the month progresses. The waning crescent moon joins the pair of planets on the 8th and 9th. Mercury, the speedster of the solar system, pops into the morning sky during the last two weeks of the month.

The Summer Triangle of stars is now in the western sky, while the Great Square of Pegasus is moving into prominence from the east. Behind Pegasus, the Pleiades cluster is just edging into the sky, heralding the onset of fall.

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Starwatch is a monthly guide to the night sky in the Upper Midwest. For a taped version from the University of Minnesota astronomy department, call (612) 624-2001.

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UNIVERSITY OF MINNESOTA STUDY ON INTERNATIONAL CHILD PORNOGRAPHY FINDS FEW LAWS, LAX ENFORCEMENT

Laws protecting children from commercial sexual exploitation are few and relatively unenforced, according to an international study of legislation on child pornography by the University of Minnesota Law School's Center on Speech, Equality and Harm.

Of the 192 countries surveyed, 126 indicated that child pornography is considered illegal, but only 31 of them have laws prohibiting the production, distribution and possession of such material.

The study also reports that there is no uniform definition of a child, that the age of majority varies from 12 to 21, and that the age for legal sexual relations is as young as 12 in some countries.

"More study is needed on the penalties for child pornography and on the enforcement of existing laws," said center director Laura Lederer. "More information is also needed on the use of emerging telecommunications technologies such as the Internet to trade in child pornography."

Lederer will present the results of this study at the World Congress to End Commercial Sexual Exploitation of Children, to be held in Stockholm, Sweden August 27 through 31. The congress marks the first meeting of the international community to draw attention to commercial sexual exploitation in all its forms, including tourism for sexual purposes, forced prostitution of young girls and boys, and visual and sound pornography using children. Attending will be 1,200 delegates representing more than 100 governments and non-governmental organizations. Attention will be focused on Article 34 a-c of the Convention on the Rights of the Child, which urges governments to take steps to prevent child sexual exploitation through prostitution or pornography.

The study is sponsored by UNICEF, Enough is Enough, the Canadian Ministry of Justice, the Butler Family Foundation, the Presbyterian Church U.S.A. and the United Methodist General Board of Global Ministries.

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Not the Usual Suspects

A UNIVERSITY OF MINNESOTA SOURCE ON NICOTINE ADDICTION

As the over-the-counter nicotine patch hits stores this week, Dorothy Hatsukami, professor of psychiatry at the University of Minnesota, says recovering alcoholics are particularly vulnerable to tobacco addiction and are difficult to treat. When recovering alcoholics die, she says, their deaths are usually smoking related, not alcohol or drug related. Further, the smoking habit is the toughest to break.

“Former alcoholics and drug abusers often say that nicotine is one of the hardest drugs to give up,” says Hatsukami, who is researching the effectiveness of group therapy combined with nicotine-replacement therapy.

Hatsukami is available for comment on nicotine addiction and the success of “the patch” and other related treatments. She can be reached at (612) 626-5168.

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U OF M'S COLLEGE OF LIBERAL ARTS NAMES ROSENSTONE NEW DEAN

Steven Rosenstone, professor of political science and program director of the Center for Political Studies at the University of Michigan, has been named dean of the University of Minnesota's Twin Cities campus College of Liberal Arts (CLA). CLA is the university's largest college, enrolling more than 14,000 undergraduates on the Twin Cities campus.

Rosenstone, an award-winning teacher and leading scholar on electoral politics, has a doctorate in political science from the University of California, Berkeley, and held a faculty appointment at Yale University before going to the University of Michigan in 1986.

"CLA needs to be widely recognized for its breadth of instruction and the unparalleled contributions of its students, faculty and alumni," said Rosenstone. "I'm excited about coming to the University of Minnesota, and look forward to the challenges ahead at this pivotal time in higher education."

"Rosenstone's energy, vision and leadership were compelling, not only to the search committee but throughout the college," said Sara Evans, CLA professor and chair of the CLA dean search committee. "His national reputation for academic excellence, his love of teaching, his commitment to diversity and his relish for the challenges CLA faces gave those who met him a sense of hope and possibility. We look forward to working with him."

"I am very pleased with the work of the search committee in selecting such an excellent candidate," said university President Nils Hasselmo. "Professor Rosenstone is well versed in the issues facing higher education and will bring exciting ideas and much energy to the College of Liberal Arts."

The university's board of regents approved Rosenstone's appointment on Monday, July 29. He will begin Oct. 15.

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**UNIVERSITY UNITED, U OF M TO SPONSOR MIDWAY JOB FAIR SEPT. 11,
PROCEEDS TO BENEFIT UNIVERSITY AVENUE MURDER VICTIMS' FAMILIES**

More than 40 vendors offering job opportunities in many fields will be present at the St. Paul Midway Job and Opportunity Fair from 1 to 7 p.m. Wednesday, Sept. 11, at the Hubbs Center, 1030 W. University Ave. Local resource agencies will hold workshops on job seeking and keeping skills and resume writing.

St. Paul City Council member Jerry Blakey, St. Paul Police Chief William Finney and community economic development leaders will give opening remarks at 1:30 p.m. A ribbon-cutting ceremony will take place at 1:45 p.m.

The fair is sponsored by the University of Minnesota Opportunity Fair Committee, headed by the diversity and housing departments, and University UNITED, a St. Paul community non-profit coalition of citizens and businesses along the 5.5-mile stretch of University Avenue corridor that promotes economic development. The fourth of its kind in the past year, the fair brings employers into the community and offers opportunities for job seekers and business owners. The initiative combines the forces of the Hamline Midway Coalition, Frogtown Action Alliance, St. Paul Workforce, St. Paul Port Authority and the Midway Chamber of Commerce.

Proceeds from the event will be donated to families of Botha Tha Thin and Se Meng Lo, the jewelry store owners murdered by a robber, and Davishia Gillum, the 4-year-old girl killed in a gang-related shooting. Both incidents occurred on University Avenue in July.

"UNITED is committed to linking resources to area businesses in an effort to assist them secure appropriate employees and respond to area crime issues as a united community," said UNITED executive director Irene Rodriguez. "This fair is an illustration of a community reaching out and working together to empower themselves and reclaim their neighborhood."

Companies with representatives at the fair include local businesses such as Huot Manufacturing and Cub Foods, along with Honeywell, Deluxe Corporation, Coca Cola, Federal Express and several University of Minnesota departments.

Contact: Irene Rodriguez, University UNITED, (612) 647-6711

9/3/96 bs

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Media notes: Room 10 in the Morris Student Center has been reserved for media use. President Nils Hasselmo and chair of the board Tom Reagan will hold a post-meeting briefing after Friday's meetings in the Recital Hall of the Humanities Fine Arts Center.

U OF M REGENTS TO DISCUSS LEGISLATIVE REQUEST, TENURE CODE AT MEETINGS IN MORRIS

The University of Minnesota board of regents will review the administration's proposed biennial request to the Legislature and continue its discussion of possible tenure code revisions at its monthly meetings on Thursday and Friday, Sept. 5 and 6, on the Morris campus.

The administration is proposing that its biennial request be packaged as the first half of a four-year plan. Among other things, the plan proposes that, by the year 2000:

- all students who qualify be able to attend the university, regardless of financial circumstances;
- all undergraduate students meet a "technical competency requirement" to ensure they have knowledge of commonly available computer and information technologies;
- every full-time student have a personal computer appropriate to their particular program by 1999;
- opportunities for internships, study abroad and participation in faculty research be expanded; and
- 50 percent of undergraduate students graduate in five years or less.

The administration would ask the state for an additional \$115 million per year to help meet the needs identified in the plan. The university would procure an equal amount through internal reallocations and revenue enhancements. Tuition revenue increases would be limited to 2.5 percent per year.

The tenure code issue has been under discussion since December, when the board passed a resolution directing the administration to develop recommendations for revising the tenure code. A faculty proposal, endorsed by the administration, was submitted to the regents in June. The regents are expected discuss the proposed changes this month, with final action anticipated in October.

Here are a schedule of committee meetings and a sample of agenda items:

Thursday, Sept. 5

- 8 a.m. Audit. Study Lounge, Main Floor, Student Center.
- 10:15. Committee of the whole. Recital Hall, Humanities Fine Arts Center. Discussion of faculty tenure policy and action on Campus Master Plans.
- 2 p.m. Committee of the whole. Recital Hall. Biennial request discussion.
- 4:30 p.m. Educational planning and policy. Study Lounge, Student Center. Report on joint distance learning project with Minnesota State Colleges and Universities.
- 4:30 p.m. Financial operations. Black Box Theater, Humanities Fine Arts Center.

Friday, Sept. 6

- 9 a.m. Faculty, staff and student affairs. Black Box. Report on tuition and financial aid policy.
- 9 a.m. Facilities. Study Lounge, Student Center. Discussion of public-private partnerships.
- 11 a.m. Board of regents. Recital Hall.

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9/4/96**

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

Media note: Embargoed by the American Society of Bone and Mineral Research until 10:30 a.m. CST Sept. 11. Ensrud is available to speak to reporters in Minneapolis from 1 to 4 p.m. Thursday, Sept. 5, and in Seattle Monday, Sept. 9 through Wednesday, Sept. 11. Call Teri Johnson at (612) 624-4604.

IT'S NEVER TOO LATE TO PREVENT BONE FRACTURES IN WOMEN WITH OSTEOPOROSIS, SAYS U OF MINNESOTA RESEARCHER

Results of a study conducted at the University of Minnesota and centers across the nation indicate there is hope for women with osteoporosis who are at highest risk of suffering bone fractures. The three-year vertebral fracture study was part of the larger Fracture Intervention Trial (FIT) and was funded by Merck & Co. Inc.

The study followed a sample of 2,027 post-menopausal women with osteoporosis between the ages of 55 and 80. Study participants had low bone density at the hip and at least one existing spinal fracture; 1,022 took alendronate (Fosamax®, manufactured by Merck & Co. Inc.) and 1,005 took a placebo. FIT, which was conducted to assess the safety and effectiveness of Fosamax® in preventing fractures, found that alendronate reduced the incidence of new spinal and hip fractures by half.

In a new analysis of the study results, researcher Kristine Ensrud, staff physician at the Minneapolis Veterans Affairs Medical Center and assistant professor of medicine and epidemiology at the university, found that alendronate was equally effective in reducing the incidence of new spinal fractures in women considered to be at highest risk for fracture because of old age, history of previous fracture or bone mineral density (a measure of bone strength).

"Our results suggest that it may never be too late in life to prevent osteoporotic fracture," Ensrud said. "I encourage women 75 and older with a history of fracture to talk to their physicians about what their treatment options might be." She will present her findings Sept. 11 at the annual meeting of the American Society of Bone and Mineral Research in Seattle.

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9/5/96 dm

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

**U OF MINNESOTA RANKS HIGH
IN U.S. NEWS' BEST COLLEGE VALUES RATINGS**

University of Minnesota students get a good value for their education dollar, according to *U.S. News & World Report's* annual America's Best Colleges issue, due to hit newsstands Sept. 9.

The University of Minnesota-Twin Cities campus was ranked 13th in the nation in the "national university/best value-sticker price" category, a ranking based on quality ratings divided by total non-resident tuition, required fees and room and board for the 1996-97 academic year. This ranking represents an improvement over last year's 21st-place showing.

The university also fared well in the best business schools and best engineering schools categories: The Carlson School of Management was ranked 13th-best business school in the nation and the University's Institute of Technology was ranked 16th-best engineering school.

The university's coordinate campuses fared well, too. The University of Minnesota-Duluth was ranked 14th among Midwestern universities in the best value-sticker price category, and University of Minnesota-Morris graduates were judged to carry the 9th-lowest debt load of students in liberal arts colleges across the nation.

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9/5/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

**U OF M REGENTS ELECT SEVEN TO FAIRVIEW-UNIVERSITY
MEDICAL CENTER BOARD OF TRUSTEES**

University of Minnesota board of regents today (Thursday, Sept. 5) elected seven members to the board of trustees of the proposed Fairview-University Medical Center, a division of Fairview Health System.

The newly appointed board members are

- John Morrison, chair and owner of Central Bank Group, appointed for a three-year term;
- Johnathan Ravdin, Nesbitt Professor and chair of the University of Minnesota department of medicine, appointed for a two-year term;
- Michael Dougherty, founder, president and chief executive officer of Dougherty Dawkins Inc., appointed for a one-year term;
- Roby Thompson, chief medical officer for University of Minnesota Health System, appointed for a three-year term;
- Thomas Madison, interim chief executive officer of Minnesota Mutual Life Insurance Co., appointed for a two-year term;
- Nellie Johnson, vice president of Walker Health Services Inc., appointed for a one-year term; and
- Edith Leyasmeyer, dean of the University of Minnesota School of Public Health, appointed for a three-year term.

The board of trustees will have responsibility for overseeing the division's day-to-day management and its compliance with Fairview policies and procedures. The division's board of trustees will replace the University of Minnesota Health System's current board of governors as of January 1, 1997.

Four of the appointees—Morrison, Thompson, Ravdin and Dougherty—are also designated for appointment to Fairview Health System's board of directors.

In addition to the 14 elected trustees, the board will include the provost of the university's Academic Health Center, the dean of its Medical School and the co-chiefs of the division's medical staff.

MORE

Last week, Fairview Association, which elects trustees to the operating boards of Twin Cities Fairview hospitals, elected the following to the division's board:

- Gordon Alexander Jr., senior vice president of medical affairs for Fairview, to a one-year term
- William Callahan, secretary, associate and general psychiatrist with Clinical Psychopharmacology Consultants, P.A., to a three-year term;
- Allen Housh, president and founder of A. A. Housh and Associates, a transportation and management consulting company, to a one-year term;
- Lois Sinn Lindquist, president and owner of Performance Data Inc., to a two-year term;
- Royce Sanner, an attorney with Maslon, Edelman, Borman and Brand, to a three-year term;
- Lyall Schwarzkopf, retired director of long-range planning and research for the Metropolitan Council, to a two-year term; and
- Connie Weinman, vice president of regulatory compliance and community relations for National City Bank, Minneapolis, to a three-year term.

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9/5/96

News releases also on WWW at <http://www.umn.edu/urate/news.html>

Media note: Maria Giles and her parents will be available Tuesday, Sept. 10. For an interview call Teri Johnson at (612) 624-4604. A video news release will be available Tuesday, Sept. 10 and Wednesday, Sept. 11 at 1 p.m. EDT on Galaxy 4 Trans. 9 Audio 6.2 & 6.8.

ORAL INSULIN MAY BE KEY TO PREVENTING DIABETES: U STUDY BEGINS SEPT. 10

A six-year-old Cottage Grove, Minn., girl may be the first in the nation to take oral insulin in hopes that she will not develop insulin-dependent diabetes. She will participate in phase 2 of a nationwide diabetes prevention trial, sponsored by the National Institutes of Health and set to begin at the University of Minnesota next week.

Maria Giles must first pass the oral glucose tolerance test, which she took today, to make sure that she has not already developed diabetes. University trial coordinator Lois Finney believes she is likely to pass; if so, she will begin taking oral insulin on Monday, September 16.

Type 1, also called insulin-dependent or juvenile-onset diabetes, is a chronic disorder that usually develops in children or adults under age 45. Maria's parents enrolled her in the study after a blood test revealed that she has a moderate risk of developing the disease.

Although taking insulin orally is not effective for treating diabetes, animal studies show it may stop the immune system from destroying insulin-producing cells in the pancreas—the cause of diabetes. Scientists believe a viral infection combined with genetic factors may initiate this misdirected immune response, which seems to be directed against insulin in the cells where it is produced. Once a substance is processed by the digestive system, however, the immune system tolerates its presence elsewhere. Therefore, insulin taken orally may induce the immune system to tolerate insulin in the cells that produce it. There are no known side effects of ingesting insulin.

"This study represents an exciting opportunity to see whether or not insulin-dependent diabetes can be prevented soon after genetic and immunologic factors that lead to the disease are detected," said David Brown, head of pediatric endocrinology.

The university's Diabetes Center is offering free screenings to anyone between the ages of 3 and 45 with a relative who has diabetes. For more information call (612) 625-8944.

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9/9/96 dm

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

**TWIN CITIES AMONG MOST SEGREGATED, FASTEST 'GHETTOIZING,'
REPORTS U OF M STUDY**

The Twin Cities are among the most highly segregated metropolitan areas in the United States, with 65 percent of people of color living in the central cities, according to a preliminary report by the University of Minnesota's Institute on Race and Poverty.

The report also found that the Twin Cities are becoming increasingly polarized by both income and race and are among the fastest "ghettoizing" areas in the country. Ghettoizing areas, as defined by institute researchers, are areas with more than 40 percent of residents living at or below the federal poverty line.

The report, conducted in conjunction with researchers from Columbia University, examined the impact of national and local housing and education policies on the segregation of low-income and minority populations in the Twin Cities center cities and inner-ring suburbs.

Other findings include:

- The disparity between incomes of whites and people of color is among the largest in the country.
- Nearly 70 percent of the disparity between home mortgage loan rejection rates of whites and people of color is due to unequal treatment of similarly qualified loan applicants.
- There is a strong correlation between segregation in housing and segregation in education.

"This report demonstrates that the Twin Cities are not exempt from national trends which show that America's urban centers continue to remain segregated by race and income," says John Powell, Institute on Race and Poverty executive director and University of Minnesota law professor. "Segregating some groups into high areas of poverty creates unique problems for these populations and otherwise denies them the same opportunities and life chances that the rest of us have."

The report, titled *Examining the Relationship Between Housing, Education and Persistent Segregation: A Preliminary Report*, was funded by the McKnight Foundation. Copies are available by calling the institute at (612) 625-5344. Final report due spring 1997.

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9/11/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

Embargoed by Science magazine until 3 p.m. CDT today (Thursday, Sept. 12). Donald Truhlar is available for interviews at (612) 624-7555.

STUDY OF SIMPLE CHEMICAL REACTION CATCHES ATOMS IN THE ACT; ENCOURAGES RESEARCHERS AT U OF MINNESOTA, ELSEWHERE

In studying how an atom of chlorine reacts with a molecule of hydrogen, researchers at the University of Minnesota and the University of Perugia (Italy) have found that state-of-the-art computer simulations can predict very closely just what goes on during the critical moment when the reaction actually occurs. The ability to predict such nuts-and-bolts chemical behavior opens the door for predicting what will happen in more complicated chemical reactions, such as drug interactions or the industrial production of chemicals. The work will be published in the Sept. 13 issue of *Science*.

The researchers' efforts cast light on what happens during the 10 femtoseconds (a femtosecond is one quadrillionth, or billionth of a millionth, of a second) when a single chlorine atom breaks up the two atoms of hydrogen that form a hydrogen molecule. The result is a molecule of hydrochloric acid, or HCl, and a leftover hydrogen atom. They chose this reaction because it's relatively simple and so can be used to test how well the theory of quantum mechanics, which describes the behavior of atoms and subatomic particles, predicts what actually happens.

"The ability to predict what happens in a chemical reaction will help in the design of any molecules that interact with other molecules," said Donald Truhlar, who headed the University of Minnesota team that simulated the reaction by computer.

The Italian team, led by Piergiorgio Casavecchia, shot beams of chlorine atoms and hydrogen gas together and then tracked the speed and direction of hydrogen chloride (HCl) molecules as they sped away from the reaction site. Knowing those numbers, as well as the initial energy and direction of the chlorine atoms and hydrogen gas, they calculated how much of the energy released by the reaction was used to separate the newborn HCl molecule from the leftover hydrogen atom and how much was used to make the HCl rotate. After tracking the reaction from a variety of angles, the Italian researchers knew just where the energy had gone.

Meanwhile, back in Minneapolis, Truhlar and his team used machines at the University of

Minnesota's Supercomputer Institute to predict where the energy would go. Their results agreed with Casavecchia's experiment as closely as any given repetition of the experiment could be expected to. That is, pretty closely. This agreement allows the researchers to interpret the forces acting during the critical 10-femtosecond interval when the hydrogen molecule was half broken apart and one of its atoms was half bonded to a new partner—the chlorine atom.

"We wanted to simulate the reaction in terms of what happens to atoms," said Truhlar. "Eventually, if we understand the forces between atoms, we can predict more complex interactions, such as what happens when a drug binds to a protein in the body."

Studies of the reaction between chlorine and hydrogen have a long history, he said. The reaction was first studied in 1843 in Germany. The first quantitative study was performed in Heidelberg in 1857 by the German chemist Robert Bunsen—after whom the Bunsen burner is named, though he didn't invent it. Then, in 1930, chemist Sam Lind at the University of Minnesota published the first study of how the speed of the reaction changes with temperature (it sped up about 20 percent with a 10-degree-Centigrade rise in temperature). Lind, said Truhlar, got his data by tracking the reaction and its speed over periods of thousands of seconds.

"In 1996, we're looking at something that occurs in 10 femtoseconds. That represents an improvement of 17 orders of magnitude in 66 years," he said.

Scientists from Complutense University in Madrid, Spain, and NASA Ames Research Center in Moffett Field, Calif., also contributed to this work.

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9/12/96

News releases also on WWW at <http://www.umn.edu/urelate/newsservice/newsr.html>

**U OF M RESEARCHERS PROVIDE UP-TO-DATE PICTURE
OF MINNESOTANS WITHOUT HEALTH INSURANCE**

A University of Minnesota study of 11,500 Minnesotans indicates that the proportion who do not have health insurance is 6 percent—the same as in 1990—in contrast to a rising national average of 15 percent.

The Minnesota Health Care Insurance and Access Survey was conducted by the university's Institute for Health Services Research to determine who is uninsured in Minnesota, and why.

Other findings indicate that, compared to 1990:

- The number of Minnesotans who purchased individual health insurance policies dropped from 9 percent to 5 percent, while those covered by public policies increased from approximately 19 percent to 22 percent.
- Minority representation among the uninsured has increased.
- Among the continuously uninsured (those lacking insurance for at least the previous 12 months), the proportion of children dropped from approximately 28 percent to 16 percent. "This is great news," said Kathleen Call, principal investigator and assistant professor in the university's Institute for Health Services Research. "It indicates the success of state programs targeting children."
- As in 1990, the uninsured are more likely to be male and single than are the insured. The uninsured also tend to be younger, less educated and less affluent.
- Also as in 1990, many uninsured cited cost as the primary reason why they have not purchased insurance of their own. Few reported that they do not want or need health insurance.
- Of the 4.1 percent of continuously uninsured Minnesotans, an estimated 50 percent were eligible for MinnesotaCare, though many did not know if they were eligible or how to enroll.

The study was funded by the Blue Cross Blue Shield of Minnesota Foundation. Copies of the report are available in room A395 Mayo Building; phone (612) 624-5100.

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9/3/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

**GOODWILL YOUTH DANCERS FROM TAIWAN
TO PERFORM AT UNIVERSITY OF MINNESOTA**

The Chinese Youth Goodwill Mission from Taiwan will give a performance of traditional Chinese dance and music at 7:30 p.m. Thursday, Sept. 26, in the Ted Mann Concert Hall of the University of Minnesota.

Formed in 1974, the Goodwill Mission has built a worldwide reputation with its breathtaking performances. This year's performers are all college and university students who were selected from national competitions to represent Taiwan in the 30-city U.S.A. tour. Supported by the Taiwan Ministry of Education, the group crosses international borders to promote understanding of Chinese culture and help strengthen community among overseas Chinese.

The event is sponsored by the University of Minnesota China Center and the Minnesota Chinese Students Association. It is co-sponsored by the University of Minnesota Dance Program and the Department of East Asian Languages and Literatures, the Minnesota Chinese Cultural Service Center, the Minnesota Chinese Students Association, Chinese Senior Citizens Society, Chinese American Association of Minnesota, Organization of Chinese Americans, Chinese American Dance Theater and the Chinese American Academic and Professional Association in Minnesota.

The Ted Mann Concert Hall is located at 2128 4th St. S., on the west bank campus. Tickets are \$7 for students, children and seniors and \$15 for adults. For ticket information, call the China Center at (612) 624-1002 or the Minnesota Chinese Cultural Service Center at (612) 623-3697.

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9/19/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

HIGH SPEED RAIL IS SUBJECT OF U OF M CONFERENCE

The possibility of a high-speed rail corridor between the Twin Cities and Chicago will be discussed at a conference Wednesday, Sept. 25, at the Holiday Inn International Airport Hotel in Bloomington. The conference is hosted by the Center for Transportation Studies at the University of Minnesota.

"Twin Cities to Chicago: Is High Speed Rail Part of Our Future?" will begin at 8:45 a.m. with an overview of high-speed rail. The conference will also cover such topics as the development of high-speed rail worldwide and in the United States, public-private financing options for high-speed rail, and high-speed rail activities in Minnesota. The conference will end with a wrap-up session at 2:30 p.m.

Conference sponsors are the state House Transportation Finance Division, the state Senate Transportation and Public Transit Committee and the Minnesota Department of Transportation. For more information contact Catherine Ploetz at (612) 626-2259.

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9/24/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>



**BACK-TO-THE-U PHOTO OP:
U OF M PRESIDENT SHARES COFFEE, RIDES BUS AND GREET STUDENTS
THURSDAY, SEPT. 26**

University of Minnesota President Nils Hasselmo will join students for coffee, ride the university's campus connector bus from Minneapolis to St. Paul and greet students in a class on Thursday, Sept. 26—the first day of the university's 1996-97 school year.

- At 8:30 a.m., Hasselmo will join students at the Newman Center's coffee cart at the corner of 17th and University avenues.

- Starting at about 9 a.m., Hasselmo will walk across campus and board the campus connector at 9:45 a.m. at Blegen Hall, 269-19th Ave. S., on the west bank. The campus connector, operated by the university's Parking and Transportation Services, is a full-sized bus that offers students free shuttle service between the west bank, east bank and St. Paul along Washington Avenue and the University Transitway every five minutes.

- Hasselmo will reach St. Paul at about 10:05 a.m. There, he'll welcome students of a family social science class in 146 McNeal Hall, 1985 Buford Ave., in St. Paul.

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9/25/96

News releases also on the WWW at <http://www.umn.edu/urelate/news.html>

**U OF M PIANIST BERNHARD WEISER HONORED ON 85TH BIRTHDAY
IN FREE PERFORMANCE**

Five internationally known pianists will pay tribute to former University of Minnesota School of Music professor Bernhard Weiser in a free recital at 7 p.m. Sunday, Oct. 20, in the university's Ted Mann Concert Hall.

School of Music director Vern Sutton and KSJN radio classical music on-air personality Stephanie Wendt will co-host the event. The performance is in celebration of Weiser's 85th birthday. Weiser began his teaching career at the university in 1953, after years of performing throughout the United States and Europe. He has performed with Arthur Fiedler and the Boston Pops Orchestra on more than 50 occasions and has played solo recitals at Carnegie Hall and Town Hall in New York City, among other venues.

Performers will include:

- Barbara Nymark, a collaborator with the Metropolitan and New York City opera companies;
- Timothy Schmidt, four-time cultural ambassador from the state of Iowa to China;
- Sanford Margolis, Oberlin Conservatory of Music professor, soloist and chamber music performer;
- Nancy Paddleford, St. Olaf College associate professor and international soloist; and
- Marianne Tobias, a pre-concert lecturer and program annotator for the Indianapolis Symphony.

A post-concert reception will follow the event in Ted Mann Concert Hall, 2128-4th St. S. in Minneapolis.

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9/27/95

**CRITIC DAVID HICKEY TO SPEAK ON BEAUTY
AS PART OF U OF M LECTURE SERIES**

David Hickey, critic, art historian, and author of *The Invisible Dragon*, a collection of essays about beauty, will speak on "Beauty and Democracy" at 7 p.m. Thursday, Oct. 10, in Willey Hall on the University of Minnesota's west bank campus.

Hickey's talk is first in a series of lectures called "What About Beauty?" sponsored by the university's department of art and the McKnight Arts and Humanities Endowment. The series will explore a new ideal of beauty and art in the postmodern world, one leading toward a greater sense of community and respect for the environment and spiritual renewal.

Hickey's talk will be followed by a roundtable discussion on the subject at 1 p.m. Friday, Oct. 11, in the West Bank Union Auditorium.

For more information and a complete schedule of events, call (612) 625-3850.

Contact:

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9/27/96 ns

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

Media note: Embargoed by *Science* until 3 p.m. CDT Thursday, Oct. 3. Karen Hsiao is available for interviews at (612) 625-2974.

ANIMAL MODEL FOR ALZHEIMER'S DISEASE DEVELOPED AT UNIVERSITY OF MINNESOTA

A team led by University of Minnesota neurologist Karen Hsiao has genetically engineered the first animals that model both the behavioral and neuropathological symptoms of Alzheimer's disease. Hsiao said the mice will be used to study the relationship between the two classes of symptoms as a means to discover the basic problem in Alzheimer's disease, as well as to test new drug therapies. The work will be published in the Oct. 4 issue of *Science*.

The genetically engineered (transgenic) mice appeared normal at two to three months of age. But by 10 months of age, the mice exhibited impaired ability in spatial learning tasks and their brains contained dense deposits of proteinaceous material called amyloid plaques. The presence of amyloid plaques is routinely used to diagnose Alzheimer's disease because large numbers of these microscopic deposits are found almost exclusively in patients with Alzheimer's-type dementia.

"This is the first time anyone has shown an association between plaques and dysfunctional learning and memory in mice," said Hsiao. "We believe the mice offer an excellent opportunity to study the relationship between changes in the brain and behavioral abnormalities. We hope this will help settle a debate among Alzheimer's disease researchers over whether amyloid plaques cause the dementia of Alzheimer's disease or not."

"People want treatments for Alzheimer's that improve the behaviors of their loved ones with the disease, not just their brain chemistry," said Zaven Khachaturian, director of the Alzheimer's Association Ronald and Nancy Reagan Research Institute. "This mouse model should help us find those therapies."

Hsiao produced the transgenic mice in collaboration with scientists at the University of Wales, Cardiff; Mayo Clinic Jacksonville in Jacksonville, Fla.; and the Veterans Administration Medical Center in Sepulveda, Calif. The work was supported by the National Institute on Aging and the National Institute of Neurological Disorders and Stroke—both part of the National Institutes of Health—and the Alzheimer's Association.

To produce the mice, Hsiao's group created transgenic mice in a hybrid strain of long-lived mice. They injected eggs from the mice with a human gene from a large family that suffered from early-onset Alzheimer's disease. The gene codes for a large protein (amyloid precursor protein, APP), pieces of which clump together to form amyloid plaques. The researchers then tested these transgenic mice against non-transgenic littermates in tests of spatial learning at three ages: 2–3 months, 6 months and 9–10 months. They also examined the brains of mice in each category for the presence of amyloid plaques.

When given two tests of spatial learning, the transgenic mice performed as well as controls at 2–3 months, but by 9–10 months of age the transgenics showed significant impairment in their performance. After death, the brains of old transgenic mice, but not control mice, showed the presence of amyloid plaques. Transgenic mouse brains also had higher levels of APP at every age and with increasing age showed progressively higher levels of the small, APP-derived proteins found in amyloid plaques.

"Our results demonstrate the feasibility of creating transgenic mice with both robust behavioral and pathological features resembling those found in Alzheimer's disease," the researchers wrote.

In the future, said Hsiao, she plans to study the behavior and anatomy of the transgenic mice at close time intervals to determine whether the appearance of amyloid plaques precedes the difficulties in spatial learning, or vice versa. Further, she said that some drug companies may have drugs to prevent plaque formation. If such a drug is administered to transgenic mice, that experiment, along with the timing study, could help determine whether amyloid plaques are a cause of Alzheimer's disease symptoms.

"If no plaques form but behavior is impaired, then plaques are probably not the cause of Alzheimer's disease," she said. "We would then use the mice to try to discover the fundamental problem in the disease. If we could discover the basic problem, then it might be possible to develop specific therapies to correct that problem." Hsiao also hopes to correlate the behaviors of individual mice with the abnormal physiology, biochemistry and microscopic anatomy each mouse exhibits; this could help pin down exactly what physical defects, and at what severity, cause behavioral abnormalities.

Hsiao's colleagues were Paul Chapman, physiology unit, University of Wales; Steven Nilsen, neurology department, University of Minnesota; Chris Eckman, Yasuo Harigaya and Steven Younkin, Mayo Clinic Jacksonville; and Fusheng Yang and Gregory Cole, VA Medical Center, Sepulveda, Calif.

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9/27/96

News releases also on WWW at <http://www.umn.edu/urelate/newsservice/newsr.html>

Media note: Daniel Mikos and his parents are available for interviews at (815) 623-8326. Roscoe, Ill. is in the Rockford media market.

ILLINOIS BOY BECOMES FIRST PERSON TO TAKE ORAL INSULIN AT THE U OF M

Daniel Mikos, a 13-year-old from Roscoe, Ill., will be the first person to take oral insulin for the prevention of diabetes at the University of Minnesota. The Mikos family will be in Minneapolis at the end of October, when Daniel will take the pill.

Mikos is participating in the second phase of the nationwide Diabetes Prevention Trial which began Sept. 10. Since then, hundreds of possible participants have been tested at the university.

Although taking insulin orally is not effective for treating diabetes, animal studies show it may prevent the immune system from destroying insulin-producing cells in the pancreas—the cause of diabetes.

"This study represents an exciting opportunity to see whether or not insulin-dependent diabetes can be prevented soon after genetic and immunologic factors that lead to the disease are detected," said David Brown, head of pediatric endocrinology.

The university's Diabetes Center is offering free screenings to anyone between the ages of 3 and 45 with a relative who has diabetes. For more information call (612) 625-8944.

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9/30/96 ns

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

**U OF M PROGRAM IN HUMAN SEXUALITY RECEIVES
\$1 MILLION FOR HIV PREVENTION STUDY**

The Program in Human Sexuality at the University of Minnesota Medical School has received \$1 million from the Centers for Disease Control and Prevention (CDC) to study the effects of HIV prevention programs targeted at women of color and men who have sex with men.

The three-year study will investigate the effects of two HIV education programs: "Man-to-Man: Sexual Health Seminars" and "Women's Initiative for Sexual Health (WISH)," both designed by university faculty in conjunction with the Minnesota Department of Health, the Minneapolis Urban League, African American Family Services, and Turning Point. The grants represent two of three HIV prevention grants awarded nationally by the CDC.

"The awards are very good news for Minnesota," said Eli Coleman, director of the university's Program in Human Sexuality. "It means we can study two of our populations most at risk for HIV, and feed the results directly back to these communities."

"Man-to-Man: Sexual Health Seminars" will recruit 500 adult men who have sex with or are attracted to other men. Simon Rosser, principal investigator for this part of the study, hopes to determine what effect the seminar has on their sexual behavior, and how internalized homophobia affects safer sex.

Bean Robinson, principal investigator for the WISH study, will determine the effect WISH has on black women (who make up 41 percent of the nation's HIV-positive population), and will use the CDC funds to learn more about female sexuality and risk factors for women.

Researchers will use several different intervention strategies, and will require participants to fill out pre-, post- and follow-up questionnaires. Individuals interested in participating in either program should call the university's Program in Human Sexuality at (612) 625-1500.

Contact:**Teri Johnson, (612) 624-4604, tjohnson@mailbox.mail.umn.edu****9/30/96 dm****News releases also on WWW at <http://www.umn.edu/urelate/news.html>**

Media note: Symposium organizer Raymond Johnson, mathematics department chair at the University of Maryland, and other participants will be available for interviews at 3 p.m. Friday in Room 502 Vincent Hall, on the Minneapolis campus.

MINORITY MATHEMATICIANS FIGURE OUT CAREER STRATEGIES AT U OF M OCT. 4-6

Approximately 20 minority mathematical scientists and 40 minority graduate students will gather for a workshop at the University of Minnesota Friday, Oct. 4 through Sunday, Oct. 6 to discuss ways that talented people of color can find a niche in industry. "Minorities and Applied Mathematics: Connections to Industry" will include technical talks by practicing black and Latino mathematicians and discussions of personal experiences and career strategies.

The scheduled personal experience talks include "Life as a 'Beltway Bandit'" by Alton Smith Wallace of the Institute for Defense Analyses and "Some Reflections on My Days at IBM" by Earl Barnes of the Georgia Institute of Technology.

"Opportunities are being frequently missed because of assumptions on the part of people hiring that the person they're looking for is white and male," said Robert Gulliver, math professor and associate director of the university's Institute for Mathematics and Its Applications, which is sponsoring the workshop. "Also, graduate students may have inaccurate ideas about what industrial jobs are like. Certain important skills, such as writing reports on time even if they're incomplete, don't get taught." Turning in reports on time can be "problematical" because mathematicians, said Gulliver, tend to keep working on a problem until they get an answer, no matter how long it takes—a habit that doesn't always go over well in an industrial setting.

Most workshop sessions will take place in the Electrical Engineering/Computer Science Building on the Minneapolis campus. For more information, call Gulliver at (612) 624-6066.

Contacts:

Robert Gulliver, mathematics department, (612) 624-6066
Deane Morrison, News Service, (612) 624-2346, dmorris@mailbox.mail.umn.edu

10/2/96

News releases also on WWW at <http://www.umn.edu/urelate/newsservice/newsr.html>

Media note: For interviews with symposium participants, call Deane Morrison at (612) 624-2346.

**HOW DOES A BRAIN CELL KNOW IT'S A BRAIN CELL?
U OF M SYMPOSIUM TACKLES CELL 'TALK,' BIRTH DEFECTS, OCT. 7 AND 8**

"From Egg to Organ: How do cells communicate during [development]," a symposium to be held Monday and Tuesday, Oct. 7 and 8, at the University of Minnesota's Earle Brown Center, will examine how cells "talk" to each other as they follow their destinies to become heart, brain, liver or the next generation of egg cells. It brings together top researchers from around the country and Europe to discuss one of the hottest topics in all biology: how signals passed through the body of a developing animal ensure that all the normal adult organs will be formed in their correct place. A high-tech test to prevent congenital disease is also among the topics.

Symposium speakers include:

- Mark Hughes, National Center for Human Genome Research. Hughes uses an ingenious test (which won the Nobel Prize for its inventor) to ensure that a woman at risk for having a baby with a congenital disease will have a disease-free child. The technique uses the test to screen embryos conceived through in-vitro fertilization. He uses the test to screen out such diseases as cystic fibrosis, Tay-Sachs disease, Duchenne muscular dystrophy, Huntington's disease and Rh incompatibility. He also uses it to check for defective chromosomes, which can cause a woman to miscarry 75 percent of her pregnancies.

- Mike O'Connor, University of California-Irvine. He studies a family of genes that determine overall body shape in both mammals and fruit flies. One such gene, if taken from a fly and transplanted into a rat, makes the rat grow new bones. The same gene, if taken from a human and given to a fly whose own gene is defective, can "cure" the fly and allow it to develop normally. O'Connor will join the University of Minnesota faculty next year, when he assumes the new Ordway Chair in Developmental Biology in the department of genetics and cell biology.

- Perry Hackett, University of Minnesota. Hackett studies the genetics of zebrafish, a useful animal for studying genetic processes similar to humans'. In his laboratory he raises the tiny black-and-white striped fish, but also mutants that are spotted or even golden.

- Christopher Wylie, University of Minnesota. Wylie, director of the university's Developmental Biology Center and symposium organizer, studies how ovaries and testes form. One question that interests him is how the human embryonic cells destined to become gonads migrate from their original position in the rear part of the gut to their correct location.

Contact:

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10/1/96

News releases also on WWW at <http://www.umn.edu/urelate/newsservice/newsr.html>

Media note: Osterholm is available at (612) 623-5414.

**OSTERHOLM ADDRESSES INFECTIOUS DISEASE CRISIS,
SAYS SINGLE SOLUTION IMPOSSIBLE**

The number of cases and different types of emerging infectious diseases that are causing worldwide epidemics have increased in the past decade, and no single solution is possible, says Michael Osterholm, state epidemiologist for the Minnesota Department of Health and adjunct professor of epidemiology at the University of Minnesota.

Osterholm will suggest what role public health plays in combating these diseases and will explain what's being done to minimize the problem when he delivers "Emerging Infectious Diseases: A Public Health Crisis?" at 2:30 p.m. Thursday, Oct. 10, in Mayo Auditorium, 420 Delaware Street S.E. on the university's Minneapolis campus.

Osterholm says the rising world population, international commerce and the aging population are just some of the reasons why old diseases, such as food-borne disease, are making a comeback, and why new diseases, such as Ebola and AIDS, are on the rise.

"What's frightening is that it's only going to get worse," Osterholm said. "This is not an issue of putting more resources into infectious disease research, but rather addressing the social, political and economic aspects of our world today."

His speech is the 10th annual Richard G. Bond Memorial Lecture. Bond was a professor for 30 years in the university's School of Public Health and former director of its division of environmental health.

Contact:

Teri Johnson, tjohnson@mailbox.mail.umn.edu, (612) 624-4604

10/3/96 dm

News releases also on WWW at <http://www.umn.edu/urelate/news.html>



**NOW WE ARE 5:
CHILDREN, YOUTH, & FAMILY CONSORTIUM
CELEBRATES HALF DECADE OF CARING FOR FAMILIES**

Magicians, music, science, stories and sports are among the activities marking the University of Minnesota Children, Youth, & Family Consortium's (CYFC) fifth birthday celebration from 11 a.m to 2 p.m. Saturday, Nov. 16 on the university's St. Paul campus.

The day of free family activities will begin with lunch at 11 a.m. in the foyer of McNeal Hall, 1985 Buford Ave. Music will be provided by the Teddy Bear Band and the youth vocal group CitySongs. After lunch, participants can visit a number of sites on the campus, where a variety of fun and educational programs will be available.

Members of the Minnesota Thunder soccer team will hold kids' clinics, KARE-TV morning meteorologist Pat Evans will give science demonstrations, local celebrities will read from their favorite books and strolling magicians will entertain viewers with clever sleight of hand.

Families interested in attending the celebration must call the CYFC hotline at (612) 625-7243 to reserve lunch, indicating the number of adults and children in their group.

Established in 1991, the CYFC coordinates the University of Minnesota's efforts to promote the well-being of Minnesota children and families. All of the university's colleges and departments that do research, teaching and community outreach on children and family issues participate in the consortium, which also includes a number of related organizations throughout Minnesota.

Contacts:

Judith Kahn, CYFC associate program director, (612) 626-1211, kahnx004@maroon.tc.umn.edu.
Andy Steiner, University News Service, (612) 624-8520, steiner@mailbox.mail.umn.edu.

10/4/96

News releases also on WWW at <http://www.umn.edu/urelate/newsservice/newsr.html>

**DEAN OF SEOUL NATIONAL UNIVERSITY SCHOOL OF NURSING
TO RECEIVE U OF M OUTSTANDING ACHIEVEMENT AWARD**

Yeo Shin Hong, dean of the Seoul National University School of Nursing, will accept a University of Minnesota Outstanding Achievement Award at 11:30 a.m. Friday, Oct. 4, at the Dale Shephard Room in Coffman Union.

Hong, a graduate of the University of Minnesota, is internationally recognized for her achievements in nursing education, research and services. A past president of the Korean Academic Society of Nursing Education, she is a pioneer in the development of nursing education in Korea and is credited with advancing her country's nursing profession.

Contact:

Peggy Rinard, AHC Public Relations, (612) 624-9912, rinard@mailbox.mail.umn.edu

10/3/96 bs

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

U OF M'S WEAVER-DENSFORD HALL TO BE DEDICATED FRIDAY, OCT. 4



Weaver-Densford Hall, the new home for the University of Minnesota's College of Pharmacy and School of Nursing, will be dedicated at 1:30 p.m. Friday, Oct. 4.

A reception will precede the dedication from 1 to 3 p.m. in Room 2-690 Moos Tower, located at the corner of Washington Avenue and Harvard Street in Minneapolis.

Weaver-Densford Hall, formerly known as Health Sciences Unit F, is named after Lawrence Weaver, former university College of Pharmacy dean, and the late Katharine Densford, an international leader in the field of nursing. Weaver will be present at the ceremony.

Contacts:

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Susie Eastman, special events, (612) 624-8038, eastman@mailbox.mail.umn.edu

10/3/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

**U OF M LAW SCHOOL RECEIVES \$10 MILLION
FOR NEW CRIMINAL JUSTICE CENTER**

The University of Minnesota Law School announced a \$10 million grant from the New York-based Edna McConnell Clark Foundation to establish an Institute on Criminal Justice for research and education on criminal justice policies.

The institute's centerpiece will be a state-centered program on penal reform and sentencing policy that will help policy-makers throughout the country gain control of the growth of prison populations and improve management of sentencing and correctional resources and policies.

The institute also will assist public officials in improving the effectiveness and efficiency of the U.S. penal system, which houses more than 1.5 million inmates. Kenneth Schoen, the Clark Foundation's Justice Program director and former state of Minnesota corrections commissioner, has been named director of both the institute and its state-centered program.

"My faculty colleagues and I are delighted to receive this \$10 million grant, which is the third largest gift ever made to an American law school by an individual or entity, in order to create a national institute to provide expertise and objective research and information on criminal justice issues," says Law School Dean E. Thomas Sullivan. "The University of Minnesota Law School has many of the most highly respected faculty in the country in the area of criminal justice. Through this new institute, we are uniquely situated to lead a sustained effort to address the national policy issues in the criminal justice system, especially in sentencing and penal reform."

"With its extensive staff and operational capacity, as well as its faculty expertise in criminal justice policy, the Law School is the kind of committed outside entity that can responsibly take this work into the future," says Michael Bailin, Clark Foundation president and trustee.

The Law School, with more than 40 full-time faculty and 840 students, is nationally ranked among the top law schools in the country. The school has three other research centers with research agendas—the Institute on Race and Poverty, the Minnesota Human Rights Center and the Center for Legal Studies—that will provide collaborative research opportunities for the Institute on Criminal Justice.

Contacts:

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**Nina Shepherd, University News Service, (612) 624-0214, nshepher@mailbox.mail.umn.edu
10/7/96**

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

EVERETTE DENNIS TO DELIVER U OF M'S SILHA CENTER LECTURE

Everette Dennis, educator, media critic, author and a senior vice president of The Freedom Forum, will deliver the 1996 Silha Lecture at 12:15 p.m. Thursday, Oct. 17, in the Humphrey Center's Cowles Auditorium.

Dennis will present "How 'Liberal' Are the Media Anyway? The Continuing Conflict of Professionalism and Partisanship," which will explore solutions to the problem of perceived and actual bias in the media. After the lecture, Dennis will answer questions from the audience.

"There's a strong viewpoint that there is a liberal bias in the media, and that it's led by young, ideologically charged reporters," said Dennis. "I think that's really an overstatement of the situation."

Dennis, who has a doctorate from the University of Minnesota, was the founding executive director of the Media Studies Center at Columbia University and has served as editor of the *Media Studies Journal*. He has written and edited more than 30 books, including *The Media Society*, *Media Debates*, *The Cost of Libel*, and *Reshaping the Media*. He is often quoted in radio and print media, and he appears frequently on television news and public affairs programs. Dennis is currently establishing a formal network among universities in the United States and other countries to promote public understanding of media as a global partnership.

The Silha Center for the Study of Media Ethics and Law, established in 1984 with an endowment from Otto and Helen Silha, is devoted to the study of major ethical and legal issues in journalism and mass communication.

The lecture is free and open to the public.

Contacts:

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Mike Nelson, University News Service, (612) 627-7701, mnelson@mailbox.mail.umn.edu

10/8/96

News releases also on WWW at <http://www.umn.edu/urelate/newsservice/newsr.html>

U OF M REGENTS TO DISCUSS TENURE, VOTE ON LEGISLATIVE REQUEST AT MEETINGS THIS WEEK

The University of Minnesota board of regents will discuss possible revisions to the faculty tenure code and will vote on the administration's proposed biennial request to the Legislature at its monthly meetings on Wednesday, Thursday and Friday, Oct. 9, 10 and 11.

The tenure code issue has been under discussion since December, when the board directed the administration to develop recommendations for revising the tenure code. A faculty proposal, endorsed by the administration, was submitted to the regents in June. The regents discussed the faculty proposal and other possible changes at last month's meeting. Final action had been scheduled for this month, but was postponed when the state Bureau of Mediation Services issued a "maintenance of status quo" order, stemming from a University Faculty Alliance petition to become the collective bargaining representative for faculty on the Twin Cities campus. The order mandates that "wages, hours and all existing conditions of employment shall not be changed" until a union election is held. Discussions, however, can continue.

The biennial request for legislative funds proposes that, by the year 2000:

- undergraduate students meet a technical competency requirement to ensure they have knowledge of commonly available computer and information technologies;
- all full-time students have a personal computer appropriate to their particular program; and
- 50 percent of undergraduate students graduate in five years or less.

The administration would ask the state for an additional \$115 million per year to help meet the needs identified in the plan. The university would procure an equal amount through internal reallocations and revenue enhancements. Tuition revenue increases would be limited to 2.5 percent per year.

Here are a schedule of committee meetings and a sample of agenda items:

Wednesday, Oct. 9

- Litigation review, 325 Morrill. Non-public meeting to discuss attorney-client privileged matters.

Thursday, Oct. 10

- 8 a.m. Faculty, staff and student affairs, 300 Morrill. Report on tuition and financial aid policy.
- 8 a.m. Facilities, 238 Morrill. Discussion of public-private partnerships.
- 9:45 a.m. Educational planning and policy, 300 Morrill. Discussion of proposed Turf and Grounds Research and Education Center in partnership with U.S. Golf Association and others.
- 9:45 a.m. Financial operations, 238 Morrill. Report on service delivery alternatives (outsourcing).
- 2:45 p.m. Committee of the whole, 238 Morrill. Policy review on hiring targeted group businesses.
- 4 p.m. Board of regents, 238 Morrill. Non-public meeting to discuss hospital marketing issues and attorney-client privileged matters.

Friday, Oct. 11

- 8 a.m. Committee of the whole, 238 Morrill. Review of regents policy on faculty tenure.
- 11:30 a.m. Board of regents, 238 Morrill.

Contact:

**Bill Brady, (612) 625-8510, pager (612) 880-3056, bbrady@mailbox.mail.umn.edu
10/9/96**

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

Media note: To interview Berrigan before his arrival, call Mary Krumholz at (612) 626-6559.

DANIEL BERRIGAN TO SPEAK AT U OF M OCT. 16

Daniel Berrigan, the Jesuit priest who gained notoriety for his anti-Vietnam War activities in the 1960s and 70s, will explore human rights issues through poetry and parables at 8 p.m. Wednesday, Oct. 16, in Willey Hall on the west bank of the University of Minnesota campus. The event is sponsored by the university's Program in Human Rights and Medicine.

After spending much of his childhood on the Iron Range, Berrigan, then in grade school, moved with his family to a farm in New York. After becoming a priest, he taught at Le Moyne College in Syracuse, N.Y., but was fired for engaging students in a discussion of wealthy slumlords, some of whom were contributors to the college. He became involved in the antiwar movement at Cornell University and gained fame in May 1968, when he and eight others burned draft files in a parking lot in Catonsville, Md., for which he went to prison. Berrigan later wrote a play, "The Trial of the Catonsville Nine," about the experience. He is currently involved in protests against the production of land mines.

Tickets are \$12, \$7 for University of Minnesota students, and are available through Ticketmaster or at the door. The evening will also include music of Beethoven and Mozart by the Loring Quartet.

Contacts:

Mary Krumholz, Program in Human Rights and Medicine, (612) 626-6559

Deane Morrison (through Oct. 11), (612) 624-2346

10/9/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

Media note: Building tours will be offered from 1:30 to 3 p.m.

OPENING OF U OF M'S \$62.7 MILLION RESEARCH BUILDING LAUNCHES NEW ERA FOR BIOMEDICAL RESEARCH

A \$62.7 million building that marks the University of Minnesota's commitment to a new, more integrated approach to biomedical research will be dedicated in ceremonies at 12:15 p.m. Friday, Oct. 11, at the corner of Church Street and Washington Avenue on the Twin Cities campus in Minneapolis. Highlights of the Basic Sciences/Biomedical Engineering Building dedication include:

- The presentation of a 100-year time capsule containing a bioartificial artery, a microchip, a computer model of the HIV virus on CD-ROM and a CD of DNA sequences converted into music. The capsule will be sealed into a wall near the building's entrance.
- Remarks by Gov. Arne Carlson on the importance of the building to Minnesota's biomedical industry and international leadership in biomedical research
- A 24-foot balloon sculpture of the DNA molecule suspended in the building's seven-story atrium
- A reception for legislators, regents and biomedical industry leaders
- Building tours led by university scientists from 1:30 to 3 p.m.
- A presentation on the building's architecture, designed to blend with neoclassical buildings constructed on Northrop Mall between 1910 and 1930

The new building marks the Academic Health Center's break from traditional specialty-based research to interdisciplinary programs, in which scientists from different specialties work together to solve complex problems more rapidly. The new building will house nine research programs in the areas of neuroscience, structural biology, immunology, biomedical engineering and cellular and molecular biology.

For a fact sheet, program descriptions and photo, refer to WWW site: <http://www.ahc.umn.edu>

Contact: Peggy Rinard, (612) 624-5100, rinard@mailbox.mail.umn.edu

10/9/96 ns

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

U OF M PRESIDENT TO DELIVER STATE OF THE UNIVERSITY SPEECH OCT. 16

University of Minnesota President Nils Hasselmo will deliver his seventh—and final—State of the University speech at 3 p.m. Wednesday, Oct. 16, in the Proscenium Theater of Rarig Center, on the west bank of the Twin Cities campus. Hasselmo will retire on June 30, 1997.

Immediately following his speech, Hasselmo will field questions from the live audience and, via satellite, from audiences at the Crookston, Morris and Duluth campuses. At 4 p.m., he will be available to reporters in Room 64 Rarig Center.

The speech will be transmitted to five remote sites: Coffman Union commuter lounge; St. Paul Student Center theater; Conference Center AB, Crookston; 90 Bohannon Hall, Duluth; and the Science Auditorium, Morris. The speech will also be carried on campus cable channel 33.

The program may be downlinked using the following satellite coordinates:

Format: C-Band.

Satellite: Galaxy 6.

Transponder: 02.

Downlink: 3740 MHz (H).

Contact:

Bill Brady, (612) 625-8510, bbrady@mailbox.mail.umn.edu

10/10/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

DANNY THOMPSON MEMORIAL LUNCHEON AT U OF M'S EASTCLIFF

Celebrities, professional athletes, sponsors, participants and supporters of the Danny Thompson Memorial Golf Tournament will gather at Eastcliff, home of the University of Minnesota president, from 11:30 a.m. to 1:30 p.m. Friday, Nov. 1, to remember the former Minnesota Twins shortstop and raise money for leukemia research. University president Nils Hasselmo and his wife, Pat, will host the event.

Thompson, who died in 1976, played shortstop for the Twins during the early 1970's, and kept playing after he learned—in spring 1974—that he had leukemia. Thompson was among the first in the country to undergo a series of experimental injections designed to provide partial immunization.

The Danny Thompson Memorial Golf Tournament, started in 1976 by Harmon Killebrew and former Idaho Congressman Ralph Harding, has raised more than \$3 million for leukemia and cancer research. The money raised is estimated to have generated an additional \$15 million to \$20 million in research funding. This year's tournament, played in August in Sun Valley, Idaho, raised more than \$275,000. When celebrities and sponsors gather again at Eastcliff Nov. 1, they will seek to increase awareness of the efforts of the University of Minnesota Leukemia Research Center and the Mountain States Tumor Institute.

Eastcliff is located at 176 North Mississippi Boulevard in St. Paul. For directions call (612) 627-6800.

Contact:

Georgie Fenton, Danny Thompson Memorial Fund, (208) 726-1049

Mike Nelson, University News Service, (612) 626-7701, mnelson@mailbox.mail.umn.edu

10/10/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

**FORMER ASTRONAUT RICHARD TRULY TO VISIT
U OF M DEPARTMENT OF AEROSPACE ENGINEERING**

Vice Admiral Richard Truly will visit the University of Minnesota's department of aerospace engineering and mechanics Wednesday and Thursday, Oct. 16 and 17. Truly, former head of NASA and current vice president at the Georgia Institute of Technology, will lead a senior design class on Oct. 16 and give a free public lecture, "Space Shuttle: From Drawing Board to Flight Test to Accident Recovery," at 1:30 p.m. Oct. 17 in room 150 of the Physics building.

Truly was the pilot on the second orbital test flight of the space shuttle Columbia. He was also commander of the third flight of the space shuttle Challenger. He became a NASA astronaut in 1969, after completing his naval flight training at Beeville, Texas. He received his commission through the Naval ROTC program at Georgia Tech.

Contacts:

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Andy Steiner, University News Service, steiner@mailbox.mail.umn.edu, (612) 624-8520

10/10/96

News releases also on WWW at <http://www.umn.edu/urelate/newsservice/newsr.html>

**U OF M BIOMEDICAL ENGINEERING INSTITUTE RECEIVES
\$1 MILLION WHITAKER FOUNDATION AWARD**

The University of Minnesota's Biomedical Engineering Institute (BMEI), an innovative center designed to promote collaboration between the university's Medical School and Institute of Technology and the biomedical industry, has received a \$1 million Special Opportunity Award in biomedical engineering from the Rosslyn, Va.-based Whitaker Foundation.

The Whitaker Foundation gives awards to institutes and organizations that work in the field of biomedical engineering. Through their selective grant-making process, the Special Opportunity Awards support the development of permanent, high-quality programs that will have a lasting and beneficial effect on biomedical engineering and research.

"The Whitaker Foundation's award, coupled with strong University of Minnesota, industrial and community support, will accelerate BMEI's efforts to develop pre-eminent programs in biomedical engineering research and education, as well as establish BMEI as a gateway for industrial interaction," said BMEI Director Matthew Tirrell.

Contacts:

Matthew Tirrell, director, BMEI, 625-0192, tirrell@maroon.tc.umn.edu

Andy Steiner, University News Service, (612) 624-8520, steiner@mailbox.mail.umn.edu.

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News releases also on WWW at <http://www.umn.edu/urelate/newsservice/newsr.html>



**BE OUR GUEST:
32 MINNESOTANS INVITED TO DINE
WITH U OF M REGENTS AND PRESIDENT AT EASTCLIFF**

A randomly selected group of 16 Minnesotans and their guests will have an opportunity to tour the University of Minnesota's Twin Cities campus Thursday, Nov. 12 and join university President Nils Hasselmo and the board of regents for a special dinner at Eastcliff, the university president's residence. Two participants will be selected from each congressional district.

The event will be an opportunity for Minnesotans to learn more about the university and its role in the state. Participants will be encouraged to share their views about the university with regents and administrators.

"We'd like to bring a random group of Minnesota citizens together, have them spend an afternoon touring some of the sites we as board members get to see and experience, and then join the board and the president for dinner to talk informally about their university," chair of the board Thomas Reagan said. "I think there are folks in Minnesota who would like an opportunity to know more about this valued state institution, and we would like to share it more broadly."

Minnesota residents interested in participating should apply by calling (612) 624-6065, by sending an e-mail to: regents@tc.umn.edu or by writing: University of Minnesota Board of Regents, 220 Morrill Hall, 100 Church St. SE, Minneapolis, MN 55455 before noon Friday, Nov. 1. Make sure to include your name, phone number, address and congressional district.

Contacts:

Steven Bosacker, Board of Regents, (612) 625-6300, bosacker@mailbox.mail.umn.edu
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10/11/96

News releases also on WWW at <http://www.umn.edu/urelate/newsservice/newsr.html>

U OF M TO CELEBRATE HOMECOMING 1996—*THE GOLDEN SEASON*



The University of Minnesota will celebrate *Homecoming 1996—The Golden Season*, from Saturday, Oct. 12, through Saturday, Oct. 19. Here's a sampling of scheduled events:

- **Saturday, Oct. 12**—3-on-3 coed basketball tournament, 10 a.m., in the Superblock of Pioneer Frontier, Territorial and Centennial halls between Delaware and Harvard streets in Minneapolis
- **Monday, Oct. 14**—Adopt-a-School Philanthropy events with kids from Marcy School; the unveiling of the Michigan State Spartan effigy to be burned at Friday night's bonfire; and Gopher football coach Jim Wacker, 11 a.m., Coffman Plaza
- **Tuesday, Oct. 15**—St. Paul Day featuring an "M" building competition, royalty cow milking, ultimate Frisbee, music and food, 2 p.m., the St. Paul Student Center and mall
- **Wednesday, Oct. 16**—Residence Hall Day, BBQ and music, 3 p.m., Superblock
- **Thursday, Oct. 17**—Homecoming "Blast from the Past" Day, 11 a.m., Coffman Plaza
- **Friday, Oct. 18**—Bonfire, crowning of royalty, BBQ, pepfest and street dance, St. Paul campus
- **Saturday, Oct. 19**—Harvest Bowl-Farmers Share Breakfast with celebrity servers including university President Nils Hasselmo and Minnesota Agriculture Commissioner Gene Hugoson, 8:30 to 11 a.m., St. Paul Student Center; Meet the St. Paul campus college deans, 9:30 to 10 a.m., St. Paul campus; Farm animal petting zoo with Goldy Gopher, 9 a.m., St. Paul campus; 5K Run and Walk from the Minneapolis campus to the St. Paul campus, 9 to 10:30 a.m.
- **Saturday, Oct. 19**—Homecoming Parade, 11 a.m., University Avenue between Pleasant Avenue and Oak Street
- **Saturday, Oct. 19**—Football game vs. Michigan State, marching band, pepfest, tailgating, 3 p.m., Metrodome

For Homecoming information, contact the Homecoming Executive Committee at (612) 624-2674, email: homcomng@tc.umn.edu, or visit its homepage at www.computerstore.umn.edu/homecoming

Contacts:

Tom Lukanen, Homecoming Committee chair, (612) 331-1553

Mike Nelson, University News Service, mnelson@mailbox.mail.umn.edu, (612) 626-7701

10/11/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

**INTERNATIONAL CHILD DEVELOPMENT EXPERTS GATHER
FOR U'S 30TH ANNUAL CHILD PSYCHOLOGY SYMPOSIUM**

The role relationships play in development of children will be discussed at the 30th Minnesota Symposium on Child Psychology at the University of Minnesota Thursday, Friday and Saturday Oct. 24-26. The conference, sponsored by the university's Institute of Child Development, will be held at the Frederick Weisman Art Museum on the Minneapolis campus.

The world's foremost scholars in the field of child psychology will take part in the symposium—the list of speakers includes such experts as Ellen Berscheid of the University of Minnesota, Judy Dunn of the University of London and Thomas Brendt of Purdue University. Topics discussed will include the connection between friendship and school achievement, the role of peers in adolescent romantic relationships, and the importance of healthy parent-child relationships.

In 1995, the Institute of Child Development was rated the No. 1 program in the field by U.S. News and World Report. The institute works to promote the welfare and development of children and youth from all cultural backgrounds within the context of family, school and community settings.

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10/16/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

**U OF M PRESIDENT TO HOLD STATEWIDE "FLYAROUND"
TO ENCOURAGE SUPPORT FOR LEGISLATIVE REQUEST**

University of Minnesota President Nils Hasselmo will visit nine cities in two days as part of a statewide "flyaround" to encourage support for the university's biennial request to the Legislature. The president will visit Duluth, Hibbing, Bemidji, Moorhead and Brainerd on Monday, Oct. 28; he'll make stops in Willmar, Marshall, Mankato and Rochester on Tuesday, Oct. 29. At each stop he'll hold a 45-minute airport news conference and greet civic leaders and alumni.

The biennial request for legislative funds proposes that, by the year 2000:

- all students who qualify be able to attend the university, regardless of financial circumstances;
- all undergraduate students meet a "technical competency requirement" to ensure they have knowledge of commonly available computer and information technologies;
- every full-time student have a personal computer appropriate to their particular program by 1999;
- opportunities for internships, study abroad and participation in faculty research be expanded; and
- 50 percent of undergraduate students graduate in five years or less.

The administration would ask the state for an additional \$115 million per year to help meet the needs identified in the plan. The university would procure an equal amount through internal reallocations and revenue enhancements. Tuition revenue increases would be limited to 2.5 percent per year.

Here's the schedule for the fly-around:

Monday, Oct. 28:

- 9 a.m. Duluth
- 10:25 a.m. Hibbing.
- 12:05 p.m. Bemidji
- 1:45 p.m. Moorhead
- 3:10 p.m. Brainerd

Tuesday, Oct. 29:

- 9 a.m. Willmar
- 10:30 a.m. Marshall
- 12:15 p.m. Mankato
- 1:45 p.m. Rochester

Contact:

Bill Brady, bbrady@mailbox.mail.umn.edu, (612) 626-1785

10/18/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

U OF M ENROLLMENT UP SLIGHTLY ON ALL CAMPUSES

Fall 1996 figures from the University of Minnesota show an overall 1.2 percent increase in enrollment from last year, for a system-wide total of 48,690 graduate and undergraduate students. There was also an increase in the number of minority students, from 5,309 a year ago to 5,445 this year. The Twin Cities campus units with the largest enrollment increases were the College of Biological Sciences, the Carlson School of Management and the College of Education and Human Development.

Enrollment figures by campus:

- Twin Cities—37,018
- Crookston—2,201
- Duluth—7,501
- Morris—1,970

For a complete copy of registration statistics for fall quarter 1996, contact the university's Office of the Registrar at (612) 625-1800 or otrsys@maroon.tc.umn.edu.

Contact:

Sam Lewis, Office of the Registrar, (612) 625-8098
Mike Nelson, University News Service, (612) 626-7701, mnelson@mailbox.mail.umn.edu

10/22/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

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Bill Brady, bbrady@mailbox.mail.umn.edu, (612) 626-1785

10/18/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

**U OF M PROFESSOR TO REVEAL SECRET FORMULA FOR MAKING MILLIONS
IN STOCK MARKET AT FREE PUBLIC CLASS**

University of Minnesota finance professor Peter Rosko invites the public free of charge to attend one session of his Finance Fundamentals class, in which he'll explain his formula for making millions in the stock market. The class will meet at 2 p.m. Monday, Oct. 28, in Anderson Hall on the university's west bank.

Rosko invites anyone who's interested in the market to his class and promises, "attendees will learn about financial markets, how to read the financial pages of newspapers, and what gives a stock value, among other things."

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10/24/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

ILLINOIS BOY TAKES FIRST ORAL INSULIN PILL AT U OF M

Daniel Mikos, a 13-year-old from Roscoe, Ill., will become the first person to take oral insulin for the prevention of diabetes at 10 a.m. Sunday, Oct. 27, on the second floor of the University of Minnesota's Masonic Cancer Center.

David is participating in the second phase of the nationwide Diabetes Prevention Trial, which began Sept. 10. Since then, hundreds of potential participants have been tested at the university.

Although taking insulin orally is not effective for treating established diabetes, studies in non-diabetic animals show it may prevent the immune system from destroying insulin-producing cells in the pancreas—the cause of diabetes.

"This study represents an exciting opportunity to see whether or not insulin-dependent diabetes can be prevented soon after genetic and immunologic factors that lead to the disease are detected," said Dr. Paul Robertson, trial director.

The university's Diabetes Center is offering free screenings to anyone between the ages of 3 and 45 with a relative who has diabetes. For more information call (612) 625-8944.

Contact:

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10/24/96 ns

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

SMITHSONIAN SCHOLARS TO LECTURE AT U OF M

Scholars from the Smithsonian Institution will present a series of free lectures from Oct. 24 through Oct. 30 at the University of Minnesota in conjunction with the exhibit "America's Smithsonian," currently on display at the St. Paul Civic Center.

The scholars will speak on an array of topics, including minorities and museums, environmental change and animal DNA. The lectures include:

• *World Deltas, Environmental Changes and Impact of and on Man*

Daniel Stanley, senior oceanographer, National Museum of Natural History

3:30 p.m. Thursday, Oct. 24, Pillsbury Hall

• *Asian Americans and Museums: Preserving Our Collective Memory*

Marshall Wong, director of the Smithsonian Wider Audience Development Program

2 p.m. Sunday, Oct. 27, Weisman Art Museum

• *When Dad Isn't: What DNA Can Tell Us about the Private Lives of Animals*

Robert Fleisher, head of the Molecular Genetics Laboratory at the National Zoological Park

7 p.m. Wednesday, Oct. 30, Bell Museum of Natural History

Other Smithsonian scholar lectures are being conducted around the Twin Cities as part of the Smithsonian Voices of Discovery program.

Lecturers are available for interviews. Call (612) 228-9141 to arrange interviews.

Contact:

**Mike Nelson, University News Service, (612) 626-7701, mnelson@mailbox.mail.umn.edu
10/24/96**

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

**U OF M OPENS NEW RETAIL FOOD INDUSTRY CENTER;
RONALD LARSON NAMED ASSISTANT DIRECTOR**

Food technology, manufacturing, distribution and retailing are among the subjects of study at the University of Minnesota's newly established Retail Food Industry Center. Ronald Larson, an agribusiness management and marketing expert at North Carolina State University, has been named the center's assistant director.

The center, directed by applied economics professor Jean Kinsey and located in the department of applied economics on the university's St. Paul campus, will draw on a variety of academic units, including the university's Carlson School of Management and the departments of applied economics and food science and nutrition, to support its research in food processing, consumption, nutritional value, marketing and retailing. Funded by the Alfred P. Sloan Foundation, the center will distribute its research findings to retailers and students through publications, seminars and courses.

The center is also developing educational programs for undergraduate and graduate students and for food-industry managers and executives.

Larson received bachelor's and master's degrees from the University of Minnesota and has spent most of the last 10 years working in and studying the food industry. Larson was a marketing researcher at the Kellogg's and Oscar Mayer companies before beginning his doctoral work at Purdue University. Later, as assistant professor and extension specialist at North Carolina State, he taught agribusiness management and developed educational programs in marketing and management topics for food and agricultural business people.

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10/28/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

Media note: Steve Miles will be available to reporters at noon Nov. 1 and 2 at the Hyatt Regency. For other experts in the field, call Teri Johnson Charest at (612) 624-4604.

END-OF-LIFE AND TERMINAL PATIENT CARE TOPICS OF U OF M CONFERENCES

Researchers from around the country will present findings from studies on end-of-life health care issues at two conferences hosted by the University of Minnesota Center for Biomedical Ethics Thursday, Oct. 31, and Friday and Saturday, Nov. 1 and 2, at the Hyatt Regency Hotel in Minneapolis.

The conferences will include discussion of research on **the care of dying patients**, evaluating the effectiveness of living wills and how end-of-life care has changed in managed care systems.

The Oct. 31 conference, "ICU Care at the End of Life," will focus on **issues including** how to ensure patients' comfort when removing them from a ventilator. Kathy Faber-Langendoen, assistant professor of medical oncology at the university and conference chair, **will also present results from her study on how families and clinicians differ when deciding how to remove a patient from ventilator support.**

The Nov. 1-2 conference, "End of Life Health Care in Managed Care Systems," chaired by Steve Miles, associate professor of medicine and faculty associate in biomedical ethics, will focus on how to improve end-of-life care and set the stage for the next wave of research in the field. Speaker David Rothman, director of the Center for the Study of Society and Medicine at Columbia University, will present the "History of Death in America" at 7 p.m. Friday, Nov. 1. The Nov. 1-2 conference is supported by a grant from the Allina Foundation. Researchers from **the Allina Foundation's "Project Decide"** will also present their research.

The thirteen faculty scholars from the Soros Foundation Project on Death in America, of which Miles is a member, will hold their annual meeting at the conference. The group of scholars from around the country was formed to study the care of dying patients in North America.

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10/28/96 ns**

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

Media note: Hexter's daughter, Nancy Lehrman, can be reached at (612) 559-5207.

ROBERT HEXTER, FORMER U OF M CHEMISTRY DEPARTMENT CHAIR, DIES

Robert Hexter, former professor and chair of the University of Minnesota department of chemistry, died Saturday, Oct. 26 after a long battle with Parkinson's disease. He was 71.

A native of Atlanta, Ga., Hexter was raised in the Twin Cities. He earned a bachelor's degree from the university in 1948, and went on to earn masters and doctorate degrees from Columbia University in New York City. A veteran of World War II, Hexter was both a Guggenheim Scholar and a recipient of a Fulbright scholarship, which he used to study at Israel's Technion Institute from 1961-62.

In 1957, Hexter and his colleagues formed the Fundamental Research Group of the Mellon Institute in Pittsburgh. He later became a professor of chemistry at Carnegie-Mellon University, and held that position until he returned to the University of Minnesota to chair the department of chemistry in 1969.

Hexter's scientific achievements include the introduction of the theory of vibrational spectra of molecular crystals, infrared-ultraviolet double resonance and work involving spectroscopy of metal surfaces.

Hexter was preceded in death by wife Norma and is survived by children Claudia Sue Hexter, Nancy and Jerry Lehrman, Daniel, Jonathan, and Teresa Hexter; grandchildren Matthew, Cory, Joey, Aaron, Ben, John and Hannah; brother and sister-in-law J. Lawrence and Esther Hexter; brother-in-law and sister-in-law Melvin and Paula Goldberg. Memorials to the Norman G. Hexter Fund at Pacer Center, 4826 Chicago Ave., Minneapolis, MN 55417.

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10/30/96

News releases also on WWW at <http://www.umn.edu/urelate/newsservice/newsr.html>

**HYPE OR HALLELUJAH?
LECTURE DISCUSSES THE PROMISE OF COMPUTER-BASED EDUCATION**

Has the combination of computers and education lived up to its highly touted promise? President Clinton promises to wire every school to the Internet, but to what end? At 7 p.m. Thursday, Nov. 7 at 7 pm, the University of Minnesota's Charles Babbage Institute will hold a forum to discuss these issues in a lecture by Ken Brumbaugh titled "As Ancient as PLATO: Computer-based Education from Minnesota." The lecture will be held at the auditorium of the Science Museum of Minnesota, 10th and Wabasha in St. Paul. Admission is free.

Brumbaugh, who has over two decades of experience working with technology for Minnesota educational institutions and was one of MECC's leaders, will examine the history of MECC and PLATO, past and present promises of computer-based education, and the future role of Minnesota computing.

Minnesota was the incubator for two important forces in computer-based education. The PLATO system, marketed and developed by Control Data, was one of the earliest and most innovative examples of computer-based education. The Minnesota Educational Computing Consortium (MECC) started as a quasi-public agency to develop the use of computers in education. It evolved into a private company and a major Minnesota producer of educational software.

The lecture is part of the Minnesota Computer History Lecture Series, sponsored by the Babbage Institute, the Minnesota Historical Society, the Science Museum of Minnesota, and Unisys .

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Andy Steiner, University News Service, steiner@mailbox.mail.umn.edu, (612) 624-8520

11/1 /96**News releases also on WWW at <http://www.umn.edu/urelate/newsservice/newsr.html>**

U OF M STUDY SAYS MEDIA MISREPRESENTED PRESIDENTIAL POLLING DATA

Normal and predictable variations in polling numbers were mistakenly presented by journalists as evidence that presidential candidate Bob Dole was dramatically closing the gap on President Bill Clinton, said University of Minnesota political science professor Larry Jacobs.

Jacobs' study found that journalists seized on nearly any sign that the presidential race was tightening, even though the great majority of trial heat polls showed Clinton had a steady double-digit lead throughout the campaign. The study suggests that the overwhelming majority of news stories concerning the presidential polls ignored ample surveys of voters' attitudes toward substantive policy issues and instead opted to discuss "horse race" polls.

"Journalists generally used polls conducted by their own organization, and rarely weighed their polls against comparable surveys from competing media or other external sources," said Jacobs. "Excessive weight was put on a single poll generated from within a journalist's own organization, and audiences were denied the opportunity to compare results and reach accurate conclusions."

The problem is not the campaign polls themselves, says Jacobs, but journalists' coverage of them. "One solution would be to launch regular poll watches that would capitalize on the vast amount of polls to challenge questionable surveys or media interpretations," said Jacobs. "This would make journalists pause and rethink their treatment of election-year polls."

The study was sponsored by the Annenberg Public Policy Center at the University of Pennsylvania.

Contact:

Larry Jacobs, (612) 625-3384, ljacobs@polisci.umn.edu

Mike Nelson, University News Service, (612) 626-7701, mnelson@mailbox.mail.umn.edu

11/4/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

U OF M REGENTS TO DINE WITH CITIZENS AS PART OF MONTHLY MEETINGS

Sixteen Minnesotans and their guests will tour the University of Minnesota's Twin Cities campus and have dinner with university President Nils Hasselmo and the board of regents as part of the monthly regents meeting schedule this week. The dinner will take place at 5 p.m. Thursday, Nov. 7, at Eastcliff, the university president's residence.

Two participants from each congressional district were chosen by random drawing from among those who expressed interest. Each is allowed to bring a guest.

Here's the list of attendees:

- **First District:** Doris Srsen, Owatonna; Arlen Evenson, Rosemount
- **Second District:** Kathy Spaeth, Sleepy Eye; Steve Niklaus, Annandale
- **Third District:** Vera Green, Edina; Arlo Vande Vegte, Long Lake
- **Fourth District:** Lois Gfrerer, St. Paul; Jim Hogan, Roseville
- **Fifth District:** Thomas Lennan, Minneapolis; Margit Berman, Minneapolis
- **Sixth District:** Tom Holker, Jr., Anoka; Carol Johnson, Coon Rapids
- **Seventh District:** Bett Springman, Glenwood; Ray Benson, St. Cloud
- **Eighth District:** Barb Soderberg, Duluth; Robert Peterson, Esko

Here's a schedule of committee meetings that make up the rest of the regents agenda:

Thursday, Nov. 7

- 1 p.m. Audit, 238 Morrill. Annual external auditor's review of U financial records.
- 1:30 p.m. Litigation review, 325 Morrill. Non-public meeting to address attorney-client privileged matters.
- 3 p.m. Educational planning and policy, 238 Morrill. Discussion of proposed policy for merging or discontinuing graduate programs.
- 3 p.m. Financial operations, 300 Morrill. Year-end operating balances report.

Friday, Nov. 8

- 9 a.m. Committee of the whole, 238 Morrill. Quarterly report from chair of Faculty Consultative Committee; action on new policy regarding representation of minorities and women in companies that do business with the university.
- 11:30 a.m. Board of regents, 238 Morrill.

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11/6/96**

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

Media note: Kennedy will be available for interviews after 4 p.m. Monday, Nov. 4, and all day Tuesday, Nov. 5, at (612) 624-9611.

U PROFESSOR RECEIVES AMERICAN CANCER SOCIETY'S HIGHEST AWARD

Dr. B.J. Kennedy, retired University of Minnesota Regents' Professor of Medicine, was one of three people to receive the American Cancer Society's Medal of Honor at the organization's annual meeting in Orlando, Fla., on Nov. 3.

The Medal of Honor, the most prestigious given by the society, is awarded to those who have made outstanding and valuable contributions to cancer research, clinical oncology and the public's understanding of cancer.

Kennedy, considered the "father of medical oncology," received the award for his pioneering efforts in establishing medical oncology as a subspecialty of internal medicine. He was also recognized for his groundbreaking research in improving treatment for breast, testicular and endometrial cancer, along with leukemia, lymphoma and Hodgkin's disease.

Also honored were Dr. David Kessler, commissioner of the U.S. Food and Drug Administration, for his work in advocating tighter controls on tobacco marketing to children; and Dr. Janet Rowley, Blum-Riese Distinguished Service Professor at the University of Chicago, for research in cancer genetics.

Kennedy was born in Minnesota and received his bachelor's and medical degrees from the University of Minnesota. He received a master's degree in experimental medicine at the McGill University Medical School and completed his residency program at the Massachusetts General Hospital. In 1951, Kennedy returned to Minnesota to begin his career in medicine and oncology. He served for 23 years as director of the division of oncology within the department of medicine.

Contact:

Coleen Southwell, (612) 626-1107, south011@gold.tc.umn.edu

11/4/96 dm

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

Media note: Embargoed by *Science* until 3 p.m. Central time Thursday, Nov. 7. Haase is available all day Monday and Tuesday morning (Nov. 4 and 5) in San Diego at (619) 552-1234. The rest of the week, he'll be in Birmingham, Eng. at 44-121-200-1197.

NEW WAY TO LOCALIZE, TRACK AIDS VIRUS DEVELOPED AT U OF MINNESOTA

Researchers at the University of Minnesota have devised a way to visualize and count HIV virus particles in two compartments of the immune system: on the surfaces of cells that "store" the virus and in the interiors of cells that produce new virus particles. The technique will allow researchers and clinicians to follow changing patterns of production and distribution of the virus within immune cells during the course of infection, a promising tool for monitoring the efficacy of therapies. The work will be published in the Nov. 8 issue of *Science*.

Working with tonsil biopsies from HIV-infected patients, University of Minnesota microbiologist Ashley Haase and colleagues used a combination of techniques to count viral particles within the immune cells that produce them—collectively called mononuclear cells (MNCs)—and attached to the outer surfaces of follicular dendritic cells (FDCs), which are part of the cellular structure of tonsils. Because numbers and proportions of virus found in these two locations may vary during infection or treatment, monitoring these changes should give a much better picture of what actually goes on during HIV infection than does measuring amounts of virus in the bloodstream—the current method of following an infection and monitoring the effects of treatments.

The ability to localize and count the virus may be used to answer many questions, Haase said. For example, a regimen of three drugs can clear the bloodstream of detectable virus in a few weeks, but such a result says nothing about what might be going on in tonsils, lymph nodes and other lymphoid tissues.

"With this technique, we can ask: Is there a residue of virus? How long does it last? What level of suppression can we obtain? Does virus production resume from latently infected cells? And, since these treatments don't affect an established infection, we can ask what happens if we should succeed in stopping production of virus—would the virus all go away, and if so, how long would it take?"

The researchers found that individual MNCs produced up to about 100 virus particles apiece. But the amount of virus found with the MNCs at a given time was one-tenth as much as could be found on the

outer surfaces of FDCs. (The FDCs hold virus on their outer membranes, where the immune system can find the virus and mount a defense against it.) Using their estimate of the number of virus particles in a gram of infected lymph tissue and the amount of such tissue in an average person, they calculated that their study subjects, most of whom were in the clinically latent stage of infection, carried about 50-100 billion virus particles in their bodies.

"We now have baselines to ask how effectively a therapy is working," said Haase. "This will tell us how to design and assess treatments."

The technique builds on previous methods of localizing substances in cells. Slices of tonsil tissue were treated with a radioactive label that attaches to the genetic material of the AIDS virus. The slices were then covered with a "film" that gets developed by radiation from the label. Developed areas of the film appear as silver grains, which correspond to the location of virus particles. The researchers then figured out how many grains corresponded to how many virus particles. They validated their counts by using the technique on cells in which the number of viral particles was known.

Haase's collaborators were Mary Zupancic, Winston Cavert, Kristin Gebhard, Katherine Staskus and Zhi-Qiang Zhang of the University of Minnesota microbiology department; Keith Henry and Holly Melroe of the St. Paul-Ramsey Medical Center HIV Program in St. Paul, Minn.; Gerald Sedgewick of the University of Minnesota cell biology and neuroanatomy department; Russell Faust of the University of Minnesota otolaryngology department; Peter Dailey of the Chiron Corp. in Emeryville, Calif.; Henry Balfour and Alejo Erice of the University of Minnesota laboratory medicine and pathology department; and Alan Perelson of the theoretical biology and biophysics department, Los Alamos National Laboratory, Los Alamos, N.M.

Haase and collaborators in the Netherlands are now engaged in a clinical study of a new drug regimen, using the new method to follow changes in how much virus is produced and where it is found.

Contact:

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11/4/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

U OF M REGENTS PASS PROPOSAL TO MAKE CHANGES IN TENURE CODE FOR LAW SCHOOL FACULTY

The University of Minnesota board of regents voted unanimously today (Thursday, Nov. 7) to approve revisions in the tenure code for university Law School faculty.

University President Nils Hasselmo says the revisions improve the existing tenure code by providing systematic post-tenure review, defining base pay, and by providing clearer policy language concerning disciplinary action. The revisions do not include the ability to layoff faculty, but do provide—with faculty approval—for across-the-board pay reductions in times of financial stress.

Discussions of tenure revisions began last December when the regents passed a resolution directing the administration to develop recommendations for revising the tenure code by the start of the 1996-97 academic year. In June, the faculty presented its proposed revisions to the tenure code to the board of regents. In September, the regents presented additional possible changes to the tenure code. In late September, faculty on the Twin Cities campus petitioned the Minnesota Bureau of Mediation Services (BMS) for a unionization election. The petition resulted in a "status quo" order from BMS, ordering university officials to refrain from negotiating changes in employment conditions for the Twin Cities faculty. As a result of an order issued by BMS yesterday, the regents were free to deal with changes applicable to the Law School faculty.

The new Law School tenure code and related information concerning tenure at the University of Minnesota can be found on the World Wide Web at <http://www.umn.edu/urelate/news.html>. Under the "Hot Issues" heading click on "Tenure."

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11/7/96 mn

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

UNIVERSITY AVENUE MURDER VICTIMS' FAMILIES TO RECEIVE \$1,700 FROM MIDWAY JOB FAIR PROCEEDS

Two families that lost members to recent murders on University Avenue will each receive a check of \$1,700 at 12:30 p.m. Wednesday, Nov. 13, at the Ronald M. Hubbs Center, 1030 W. University Ave. in St. Paul.

Botha Tha Thin and Se Meng Lo, jewelry store owners, were murdered by a robber; and Davishia Gillum, a 4-year-old girl, was killed in a gang-related shooting. Both incidents occurred on University Avenue in July. Money for this charity comes from proceeds from the Midway Job Fair held in September.

The job fair was sponsored by the University of Minnesota Opportunity Fair Committee, headed by the diversity and housing departments, and University UNITED, a St. Paul community non-profit coalition of citizens and businesses along the 5.5-mile stretch of University Avenue between Snelling Avenue and Dale Street that promotes economic development.

The fourth of its kind in the past year, the fair brought employers into the community and linked job opportunities to job seekers with local businesses. The initiative combined the forces of the Hamline Midway Coalition, Frogtown Action Alliance, St. Paul Workforce, St. Paul Port Authority, the Ronald M. Hubbs Center and the Midway Chamber of Commerce.

Contact: Irene Rodriguez, University UNITED, (612) 647-6711

11/11/96 bs

U OF M RECEIVES \$2 MILLION ENDOWMENT FOR JEWISH STUDIES

The University of Minnesota has received a gift to create a \$2 million endowment for a faculty position in Jewish studies and Hebrew bible—the university's first endowed position in the field. The gift was made by university alumnus Lyle Berman, chair and chief executive officer of Grand Casinos, Inc., his wife, Janis, and his parents, Nathan and Theresa Berman, also university alumni.

The endowed chair will enable the university to create a program in Jewish studies within the College of Liberal Arts (CLA). The chair will enhance the curriculum in rabbinical literature, the Dead Sea Scrolls, biblical archaeology and the ancient Near East.

"My family and I are very proud to establish the Berman Family Chair in Jewish Studies and Hebrew Bible," said Lyle Berman. "The endowment was fueled by my mother, who instilled in our entire family the importance of education. Our goal is for our gift to be only the start of a growing and long-lasting initiative at the university."

"The Berman Family Chair will ensure an enduring program in Jewish studies," said CLA Dean Steven Rosenstone. "It will provide students pursuing a liberal arts education with the opportunity to gain a complete understanding of the Judaic foundations of Western civilization. We are thrilled with this wonderful gift and indebted to the Berman family for their generosity, vision and foresight in establishing this chair." Rosenstone added that CLA has begun fundraising for a parallel endowed chair in New Testament and Christian studies.

The Berman gift creates the 20th endowed chair in CLA and the 241st at the university.

Contact:

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11/11/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

U OF M CENTER FOR TRANSPORTATION STUDIES CELEBRATES 10TH ANNIVERSARY

The University of Minnesota's Center for Transportation Studies (CTS) celebrates its 10th anniversary with a luncheon and tours of the facility Tuesday, Nov. 12. The luncheon, beginning at 11:30 a.m. at the Radisson Hotel Metrodome, features a talk by Gerard McCullough, the new CTS director, on the Staggers Rail Act of 1980 and the upcoming reauthorization of the Intermodal Surface Transportation Efficiency Act (ISTEA II).

The Staggers Act, which deregulated railroads, is generally considered to have been a successful experiment in restructuring one component of the transportation system. McCullough is expected to address the following questions: What is it about the Staggers Act that made it a success? Are there lessons to be learned that would apply to the rest of the surface transportation system? What implications might there be for education and research at the Center for Transportation Studies?

McCullough, who joined CTS in September, is a former partner with Putnam, Hayes and Bartlett Inc., an economic consulting firm based in Cambridge, Mass. He also has held positions as deputy director of the Massachusetts Institute of Technology's Center for Transportation Studies (1985-90) and as special assistant with the U.S. Department of Transportation (1977-81), where he participated in the development of the Staggers Act.

CTS is located at 511 Washington Ave. S.E., Minneapolis.

Contacts:

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Deane Morrison, News Service, (612) 624-2346, dmorris@mailbox.mail.umn.edu

11/11/96

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**STAR TREK'S TOP 10 PHYSICS BLOOPERS TO BE REVEALED AT
U OF M LECTURE**

Could a future Scotty really beam somebody up? What gets warped when a starship switches to warp drive? What the creators of Star Trek got right—and wrong—will be illuminated at "The Physics of Star Trek," a free multimedia lecture by Lawrence Krauss, at 7 p.m. Wednesday, Nov. 20, in Northrop Auditorium. Doors open at 6 p.m.

Krauss, author of a best-selling book of the same title, will use the Star Trek future as a launch pad to discuss the forefront of modern physics for a general audience, tackling topics from time travel to the Big Bang and the search for extraterrestrial intelligence. He will draw from his list of Top 10 Star Trek Physics Bloopers, gleaned from discussions with Stephen Hawking and other distinguished physicist-Trekkers and from the e-mail of techno-Trekkers. Whether he will discuss the acoustical properties of pointed ears is not known.

In the present century, Krauss is Ambrose Swasey Professor of Physics, astronomy professor and physics department chair at Case Western Reserve University. In addition to a prolific publishing record in the scientific press, Krauss is author of "Fear of Physics: A Guide to the Perplexed" and "The Fifth Essence: The Search for Dark Matter."

The lecture is the first Institute of Technology Public Lecture. It is sponsored by the University of Minnesota School of Physics and Astronomy and the Institute of Technology Alumni Association.

Contact:

Deane Morrison, News Service, (612) 624-2346, dmorris@mailbox.mail.umn.edu

11/12/96

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11/12/96

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U OF M REGENTS GIVEN THREE NAMES FOR PRESIDENTIAL SEARCH

The advisory committee charged with recommending potential candidates for the next University of Minnesota president has forwarded three names to the university's board of regents. But no names will be made public until the board, in its capacity as presidential search committee, decides that the recommended individuals are finalists for the position. Finalists are expected to be named no earlier than the second week in December, and nominations will remain open until the new president is chosen.

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11/13/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

**U OF M BRINGS SECOND JOB FAIR BACK TO MARTIN LUTHER KING
NEIGHBORHOOD CENTER, WEDNESDAY, NOV. 20**

The University of Minnesota will conduct the second annual Clarence Carter Job and Opportunity Fair from 2 to 7 p.m. Wednesday, Nov. 20 at the Martin Luther King Neighborhood Center, 4055 Nicollet Avenue South in Minneapolis.

One of four Job and Opportunity Fairs conducted by this partnership group last year, the Clarence Carter Job and Opportunity Fair was attended by over 400 job seekers, with over 40 applicants being hired.

Clarence Carter was a librarian at the University of Minnesota for over 25 years, and continued his U employment as deputy grievance officer. In addition, he was past president of the University Association of Black Employees. Carter was owner of the Challenge Bookstore, one of the first African-American bookstores in the Twin-Cities. Clarence Carter past away earlier this year.

The job fair will provide information about employment opportunities at the university and several businesses, including J.C. Penney, Best Buy, Norwest Bank and Mall of America. Representatives will be on hand to answer questions, discuss opportunities within their company and conduct job interviews.

Co-sponsors include the Minnesota Minority Media Coalition, Minneapolis Public Housing Authority, Insight News, McFarlane Media Interests, University United, Martin Luther King Neighborhood Center and the City of Minneapolis.

For more information call Michelle Deziel at 588-1313.

Contact

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Roger Forrester, University of Minnesota	(612) 624-7006
Irene Rodriguez, University United	(612) 647-6711
Al McFarlane, McFarlane Media Interests	(612) 588-1313
Pedro Ramos, Minneapolis Public Housing Authority	(612) 342-1416

11/13/96

LECTURE EXAMINES THE SOCIAL IMPACT OF THE MILLION MAN MARCH

In the days and months following the Million Man March, there was much talk about how the event affected the men who participated in it. What wasn't often discussed was the long-term effect the march would have on women and children. Robert Allen, senior editor of *The Black Scholar*, will discuss this and other issues in a lecture, "The Meaning of the Million Man March for Women and Children in Policy Implications," at 3 p.m. Wednesday, Nov. 20, in room 42 of the Earle Brown Center on the University of Minnesota's St. Paul campus. The free lecture is sponsored by the university's School of Social Work.

Allen is a visiting professor of African American and ethnic studies at the University of California-Berkeley. He is the author of "The Port Chicago Mutiny," among other books. Most recently, he co-edited the anthology "Brotherman: The Odyssey of Black Men in America." He is a board member of the Oakland Men's Project, an organization that since 1979 has become known for its workshops on issues of male violence, racism and sexism.

A reception and book signing will follow the lecture. For further information, call (612) 626-8738.

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11/14 /96

News releases also on WWW at <http://www.umn.edu/urelate/newsservice/newsr.html>

SPORTS HEROES FOCUS OF TUCKER CENTER LECTURE

Who are the role models female athletes turn to for inspiration? In an upcoming talk, part of the University of Minnesota's Tucker Center for Research on Girls and Women in Sport's Distinguished Lecture Series, Judy Mahle Lutter will identify some of the female sports heroes who have served as important athletic role models. The free lecture will take place at 7 p.m Wednesday, Nov. 20 in Coffman Union's Mississippi Room.

Lutter is founder of Melpomene Institute, a nationally recognized St. Paul-based organization that helps girls and women of all ages link physical activity and health through research, publication and education. She is author of "Of Heroes, Hopes and Level Playing Fields" and "The Bodywise Woman." Her lecture is titled "Heroes, Hopes and Level Playing Fields: Nurturing and Empowering Women Through Sports."

The Tucker Center for Research on Girls and Women in Sport was founded in 1993. It is the only university-based interdisciplinary research center devoted solely to research, education and outreach related to girls and women in sport. For information, call (612) 625-7327.

Contact:

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Andy Steiner, University News Service, steiner@mailbox.mail.umn.edu (612) 624-8520

11/14 /96

News releases also on WWW at <http://www.umn.edu/urelate/newsservice/newsr.html>

U OF M RECEIVES \$2 MILLION ENDOWMENT FOR JEWISH STUDIES

The University of Minnesota has received a gift to create a \$2 million endowment for a faculty position in Jewish studies and Hebrew bible—the university's first endowed position in the field. The gift was made by university alumnus Lyle Berman, chair and chief executive officer of Grand Casinos, Inc., his wife, Janis, and his parents, Nathan and Theresa Berman, also university alumni.

The endowed chair will enable the university to create a program in Jewish studies within the College of Liberal Arts (CLA). The chair will enhance the curriculum in rabbinical literature, the Dead Sea Scrolls, biblical archaeology and the ancient Near East.

"My family and I are very proud to establish the Berman Family Chair in Jewish Studies and Hebrew Bible," said Lyle Berman. "The endowment was fueled by my mother, who instilled in our entire family the importance of education. Our goal is for our gift to be only the start of a growing and long-lasting initiative at the university."

"The Berman Family Chair will ensure an enduring program in Jewish studies," said CLA Dean Steven Rosenstone. "It will provide students pursuing a liberal arts education with the opportunity to gain a complete understanding of the Judaic foundations of Western civilization. We are thrilled with this wonderful gift and indebted to the Berman family for their generosity, vision and foresight in establishing this chair." Rosenstone added that CLA has begun fundraising for a parallel endowed chair in New Testament and Christian studies.

The Berman gift creates the 20th endowed chair in CLA and the 241st at the university.

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11/11/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

UNIVERSITY AVENUE MURDER VICTIMS' FAMILIES TO RECEIVE \$1,700 FROM MIDWAY JOB FAIR PROCEEDS

Two families that lost members to recent murders on University Avenue will each receive a check of \$1,700 at 12:30 p.m. Wednesday, Nov. 13, at the Ronald M. Hubbs Center, 1030 W. University Ave. in St. Paul.

Botha Tha Thin and Se Meng Lo, jewelry store owners, were murdered by a robber; and Davishia Gillum, a 4-year-old girl, was killed in a gang-related shooting. Both incidents occurred on University Avenue in July. Money for this charity comes from proceeds from the Midway Job Fair held in September.

The job fair was sponsored by the University of Minnesota Opportunity Fair Committee, headed by the diversity and housing departments, and University UNITED, a St. Paul community non-profit coalition of citizens and businesses along the 5.5-mile stretch of University Avenue between Snelling Avenue and Dale Street that promotes economic development.

The fourth of its kind in the past year, the fair brought employers into the community and linked job opportunities to job seekers with local businesses. The initiative combined the forces of the Hamline Midway Coalition, Frogtown Action Alliance, St. Paul Workforce, St. Paul Port Authority, the Ronald M. Hubbs Center and the Midway Chamber of Commerce.

Contact: Irene Rodriguez, University UNITED, (612) 647-6711

11/11/96 bs

**THE MACHINE IS THE METAPHOR:
LECTURE ANALYZES COMPUTERS' INFLUENCE ON MINNESOTA CULTURE**

What do Parker pens, home ovens, Dr. Strangelove and miniskirts have in common? They all borrow their design or message from mainframe computers, and are the subject of an upcoming lecture by University of Minnesota doctoral student Pat Hemmis, titled "The Machine is the Metaphor: The Digital Computer and Minnesota Culture." The talk, part of the Minnesota Computer History Lecture Series organized by the university's Charles Babbage Institute, will be held at 7 p.m. Thursday, Nov. 21 at the Minnesota History Center, 345 W. Kellogg Blvd., St. Paul.

After World War II, the computer and its presentation in popular media reflected attitudes, understanding and misunderstanding of science, technology and the relationship between machines and humans. Slowly, the idea of the "atomic age" gave way to the "computer age." Hemmis' lecture will explore the computer as the dominant symbol of our times, and will illustrate how the computer interacted with advertising, television, print media and Minnesota culture in general.

Hemmis is a doctoral candidate in the university's department of design, housing and apparel. She examines the perception of the early digital computer through such popular media as films, clothing, household appliances, advertisements and the Minnesota State Fair.

The free lecture is sponsored by the Charles Babbage Institute, the Minnesota Historical Society, the Science Museum of Minnesota and Unisys Corp. For further information, call (612) 624-5050.

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11/18 /96

News releases also on WWW at <http://www.umn.edu/urelate/newsservice/newsr.html>

Media note: A PRT car from Raytheon Co. will be on display at the conference.**U OF M CONFERENCE EXAMINES PERSONAL RAPID TRANSIT,
OTHER EMERGING TRANSPORTATION SYSTEMS**

More than 100 transportation professionals will attend the International Conference on Personal Rapid Transit & Other Emerging Transportation Systems November 18 through 20 at the Marriott Hotel-City Center in downtown Minneapolis. The conference, sponsored by the University of Minnesota Center for Transportation Studies and the Institute for Intelligent Transportation Systems, will run from 8:30 a.m. to 4:30 p.m. each day.

The conference will deal with a two-part central concept: To attract significant ridership, transit must offer travel times that are competitive with the auto, and transit time is minimized by nonstop travel from many origins to many destinations.

Personal Rapid Transit (PRT) involves small computer-controlled vehicles traveling on narrow, usually elevated, guideways. Stations for riders entering and exiting the PRT system are connected to the guideways like rest stops on freeways, to permit nonstop travel from each station to riders' destinations. Such PRT systems are being built or considered in Sweden, the Netherlands, Denmark, France, Australia, Canada, Taiwan, Korea and in Chicago, Boston, Seattle, Denver, San Diego and New York.

Experts from many countries and U.S. cities will be available to meet with reporters during the conference. At 4:30 p.m. Monday, Nov. 18, a reception will be held to honor two pioneers of PRT technology—Donn Fichter, who first described the concept in a book in the 1950s, and J. Edward Anderson, a former University of Minnesota professor of mechanical engineering who invented several PRT technologies patented by the university and licensed to Raytheon Co. Raytheon recently completed a PRT test track outside of Boston that is the prototype for a PRT system scheduled to be built in Rosemont, a suburb of Chicago bordering O'Hare Airport.

An introduction to PRT for the public will be held at the downtown Minneapolis Public Library at 7 p.m. Wednesday, Nov. 20. Sponsored by Citizens for PRT, a group promoting the consideration of PRT in the Twin Cities, the meeting will feature Anderson and others explaining how PRT offers an environmentally sound solution to urban traffic congestion and a less costly alternative to high-speed trains for inter-city travel.

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11/15/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

U OF M PRESIDENT HASSELMO, BOARD OF REGENTS CHAIR REAGAN TO LEAD DELEGATION TO ASIA

A University of Minnesota delegation led by President Nils Hasselmo and Board of Regents Chair Thomas Reagan will visit three Asian countries from Nov. 19 to Dec. 4 to strengthen ties between the university and these Asian economic giants.

The university contingent will visit Taiwan Nov. 20 to 23, the People's Republic of China Nov. 23 to Nov. 30, and the Republic of Korea Nov. 30 to Dec. 4.

"Our goals are to further connect with our thousands of alumni in these countries and with donor prospects in this region; to consummate student-exchange agreements with some of Asia's leading universities; and to strengthen the university's ability to serve Minnesota businesses operating in these countries," said Hasselmo.

"It is clear that U2000, our strategic plan, envisions a University of Minnesota that is truly global in its reach and impact," commented Reagan. "The ties we are making with Asian universities represent a giant step toward the further globalization of the university. Further, these connections can serve to build more relationships between Minnesota and Asia in areas where there are common interests and benefits."

During this trip, the university delegation will visit institutes of higher learning and meet with alumni, government and business leaders in Taipei, Xian, Beijing and Tianjin, Pohang and Seoul. The university will confer honorary doctorate degrees on university leaders – Kim Young Sam, President, Republic of Korea; and Teng Haisong, vice premier and vice chairman of the National People's Republic of China. Exchange agreements will be initiated between the University of Minnesota and Taiwan's National Chiao Tung University, Tsing Hua University, China's Xian Jiaotong University, the Chinese Academy of Sciences, Beijing University; and Korea's Seoul National University.

University of Minnesota honorary doctorate awards will also be conferred to stellar university alumni. Surrounding these events will be numerous discussions concerning the university's efforts to expand and to endow research, teaching and business-related activities between the university and these countries.

Contact:

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11/15/95 bs**

Media note: The first patient in this trial has asked to remain anonymous. Whitley is available for interviews at (612) 625-7422.

U OF M CONDUCTS WORLD'S FIRST GENE THERAPY TRIAL FOR HUNTER SYNDROME

Researchers at the University of Minnesota's Institute of Human Genetics have begun the state's first gene therapy trial, a therapy similar to a blood transfusion in which a patient's white blood cells are extracted, genetically corrected and injected back into the patient.

The trial is also the first of its kind in the world for adults with Hunter syndrome. Hunter syndrome is a rare, inherited disorder caused by the lack of an enzyme necessary to break down complex carbohydrates in cells. In its severe form, it can cause progressive mental retardation and death before age 20. The first patient enrolled is an adult with a mild form of the disease, who has asked to remain anonymous.

During gene therapy, the patient's white blood cells are removed and corrected in the laboratory with a "therapeutic vector." The vector transfers to the cells a normal copy of the gene that codes for the enzyme. The cells then manufacture the normal enzyme, which corrects the metabolic defect of Hunter syndrome. Because white cells have a short lifespan, the process is repeated monthly for a year.

"This is the kind of thing that distinguishes us as a research university," said Chet Whitley, an associate professor in pediatrics and in the Institute of Human Genetics. "We hope to prevent injury to the brain and progressive dementia, which may have implications for other diseases causing progressive dementia such as Alzheimer's." Whitley, lead investigator in the trial, and his colleagues chose to investigate Hunter syndrome because there is no other systemic treatment for the disease.

Dr. Michael Blaese, head of gene therapy at the National Institutes of Health (NIH), will visit the institute on Tuesday, Nov. 19 to review the program. The trial is funded in part by the NIH.

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11/18/96 ns

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

PRESIDENT OF THE REPUBLIC OF KOREA KIM YOUNG SAM TO RECEIVE HONORARY DEGREE FROM U OF M AT BLUE HOUSE CEREMONY IN SEOUL DEC. 3

President of the Republic of Korea Kim Young-sam will receive an honorary Doctor of Laws degree from the University of Minnesota in a ceremony at the Blue House, the Presidential Office in Seoul, Tuesday, Dec. 3. The award ceremony, complete with full academic regalia, mace and flag bearers and processional music, will take place at 11:15 a.m., to be followed by a lunch reception.

Kim, the first civilian president of Korea in 32 years, is a longtime advocate of civil rights and democracy in his homeland. A native of Koje Island, Kim graduated from Seoul National University (SNU) in 1952 and served as a member of the National Assembly from 1954-58, 1960-79 and 1988-92. He was president of the opposition New Democratic Party in 1974. In 1979, Kim was expelled from the National Assembly and was subjected to house arrest under martial law from 1980-81 and 1982-83 by the authoritarian regimes. He was an organizer of the Council for Promotion of Democracy in 1984 and the New Korea Democratic Party in 1985, president of the Reunification Democratic Party in 1987 and co-leader of the Democratic Liberal Party in 1990. He was elected President of the Republic in 1992.

"President Kim has earned worldwide recognition and respect as a champion for the principles of democracy, a political leader who remembers his campaign promises and has the courage and skill to carry out his agenda of reform," University of Minnesota President Nils Hasselmo said. "I am proud to join the faculty and the Board of Regents of the University in their judgment that President Kim is deserving of the honor that is conferred with the awarding of a Doctor of Laws from the University of Minnesota."

"He has a long history of supporting human rights, for democratic reform and has led Korea into the ranks of a solid democracy," said Walter Mondale, Ambassador of the U.S. to Japan. "The United States and Korea are allies, of course, and our relations with Korea are excellent, in part because of President Kim's leadership."

"President Kim has been a lifelong advocate of the democratic process, during an era in his country's history in which such advocacy required degrees of commitment, courage and sacrifice difficult for most Americans to imagine," said U.S. Ambassador to Korea James Laney. "Despite the long periods of

hardship he endured as an outspoken opponent of military dictatorship, hardships that have driven many lesser men to extremist stances, President Kim held fast to his democratic, reformist faith. One of the hallmarks of his presidency is the consistency with which he has maintained his commitment to reform even after taking up the reins of power. There is no question in my mind that President Kim's dedication has had a pivotal influence on the growth and fruition of Korean democracy."

The University of Minnesota's special relationship with Korea began over 40 years ago when the University and SNU worked collaboratively on SNU's reconstruction following the cessation of the Korean War. Since that time, the number of the University of Minnesota Korean alumni has climbed to over 1,000 graduates. "This rich tradition adds to the significance of the conferral of the honorary degree and symbolizes the values we place on the quality of our historic academic bonds with Korea," commented President Hasselmo.

The University of Minnesota has awarded this highest academic honor only 111 times in its 146-year history, a measure of its importance and selectivity.

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11/19/96

News releases also on WWW at <http://www.umn.edu/urelate/newsservice/newsr.html>

U OF M FACULTY TO BEGIN VOTING NOV. 20 ON UNION REPRESENTATION

Faculty on all campuses of the University of Minnesota system will vote this week on whether to begin the process of union representation.

On Wednesday, Nov. 20, faculty at the university's Crookston and Morris campuses and faculty at the university's Duluth School of Medicine are scheduled to vote on union representation.

Voting at Crookston will take place between 2 and 5 p.m. in the Bede Hall Conference Room. Voting at Morris will take place between 10 a.m. and 3 p.m. in the Student Center's Moccasin Flower Room. Voting at Duluth will take place from 10 a.m. to 3 p.m. in Room 361 Kirby Student Center.

A vote by Crookston and Morris faculty in favor of union representation would result in automatic membership in the University Education Association (UEA). Duluth School of Medicine faculty are governed by provisions that don't make union representation automatic.

On Thursday, Nov. 21, faculty at the Twin Cities campus Academic Health Center (AHC)—which includes the School of Dentistry, Medical School, School of Nursing, College of Pharmacy, School of Public Health and College of Veterinary Medicine—are scheduled to vote on membership in the Twin Cities Instructional Bargaining Unit. Voting at AHC will take place at various locations through the Twin Cities campus beginning at 8 a.m.

If membership in the unit is approved, the state's Bureau of Mediation Services will determine which Twin Cities campus faculty are eligible to vote in a Twin Cities Instructional Bargaining Unit election to take place early next year.

Currently, the only University of Minnesota faculty in a collective bargaining unit are Duluth's non-medical faculty.

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11/19/96**

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

Media note: Hatsukami is available at (612) 626-5168 until 5:15 p.m. CST.

EFFECTS OF CRACK, POWDERED COCAINE MUCH MORE SIMILAR THAN PENALTIES FOR POSSESSION, U OF M RESEARCHER FINDS

The federal penalty for possession of crack cocaine (cocaine base) versus powdered or liquid cocaine (cocaine hydrochloride) is not justified by differences in the effects of the two forms of the drug, according to a University of Minnesota researcher.

Writing in the Nov. 20 issue of the *Journal of the American Medical Association*, Dorothy Hatsukami, associate professor of psychiatry, said that although the physiological and psychoactive effects of cocaine are similar in any form, a person in possession of five grams of crack would receive the same punishment as someone with 500 grams of powdered cocaine, a ratio of 1 to 100.

Hatsukami and co-investigator Marian Fischman of Columbia University reviewed literature published between 1976 and 1996 to substantiate the differences between crack and powdered cocaine and determine how these findings could affect policies on imprisonment and treatment of cocaine users.

"There's no evidence to show that the ratio, and therefore the punishment, is justified," Hatsukami said. "We're not saying there should be a total elimination of the ratio, but there should be a reduction."

The researchers also suggest that because many cocaine users commit crimes as a result of their addiction, they would benefit more from treatment than from imprisonment.

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11/19/96 dm

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

Media note: Visuals include Billups working in the urology clinic or performing urologic surgery. Call Teri Johnson Charest at (612) 624-4604.

U OF M DOCTOR STARTS FIRST IMPOTENCE SUPPORT GROUP IN STATE, CALLS CONDITION EASY TO TREAT

Men who suffer from impotence are not alone and can easily be treated, often without surgery, according to Dr. Kevin Billups, assistant professor of urology at the University of Minnesota.

Impotence, the inability to attain and maintain an erection sufficient for satisfactory sexual intercourse, affects approximately 20 million to 30 million men in the United States and is usually caused by a medical condition such as heart disease, diabetes or hypertension.

Despite significant advances in the diagnosis and treatment of impotence, Billups said the condition continues to be misunderstood. "The problem is that many men are reluctant to talk about the problem with their physician or urologist," he said. "Approximately 95 percent of the men who seek help can have their erectile capacity improved."

Billups will convene Minnesota's first impotency support group in January. The meetings, established in conjunction with the Impotence Institute of America, are open to men and women and will focus on the physical causes of impotence, the emotional and mental distress it can cause and treatment options.

The American Urological Association released its treatment guidelines for erectile dysfunction on Nov. 4 at the World Meeting on Impotence in San Francisco. They appear in the December issue of the *Journal of Urology*.

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11/19/96 ns

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

U OF M FACULTY VOTE AGAINST UNIONIZATION

Faculty on the University of Minnesota's Morris and Crookston campuses voted against union representation in campus elections today.

On the Morris campus the vote was 69 against unionization, 37 in favor. On the Crookston campus the vote was tied at 16 each, which counts as a "no" vote because a majority is needed for approval.

"We are pleased with this outcome," said Senior Vice President for Academic Affairs Marvin Marshak. "The university has prospered under the current faculty governance system in the past, and I believe that the university will continue to do so. The university is committed to providing quality academic programs. Now is a time to build trust between the faculty, administration and the regents. I firmly believe this is a vote by our faculty in support of academic quality at the University of Minnesota."

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11/20/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

U OF M RECEIVES ENDOWMENT FOR GAY, LESBIAN, BISEXUAL, TRANSGENDER STUDIES

The University of Minnesota has received the largest gift ever designated to support the development of gay, lesbian, bisexual and transgender (GLBT) studies. Steven Schochet, a 1959 U graduate, has pledged nearly \$500,000 to support the development of educational materials, curriculum, programming and research in the area of GLBT studies. The endowment—part up-front gift, part bequest—will help create the Steven J. Schochet Endowed Center for Gay, Lesbian, Bisexual and Transgender studies and Campus Life. Schochet is a Minnesota native who now makes his home in Cleveland.

Schochet, a retired computer systems consultant who has worked at such corporations as Ford Motor Co. and Bank of America, created the fund to help encourage a more humane culture for gay, lesbian, bisexual and transgendered university students, faculty and staff. The Schochet Center will also fund courses, train GLBT speakers and educators, and encourage the use of cultural resources, such as outside speakers, literature, fine arts and films, in the context of GLBT issues. The Schochet Center will be administered through the University's GLBT Programs Office.

Schochet, who is gay, said he is giving the gift to the university as an acknowledgment of the changes that have occurred at the institution since he was an undergraduate and to encourage further institutional growth and development. "Back when I was in college, the campus climate was hostile to gay men," Schochet said. "This is my way of ensuring that things continue to get better for GLBT people on campus."

"This endowment is historic," said Beth Zemsky, GLBT Programs Office director. "Thanks to Steven Schochet, the university community of students, faculty and staff will benefit from an environment increasingly supportive of GLBT people in perpetuity."

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11/22/95

News releases also on WWW at <http://www.umn.edu/urelate/newsservice/newsr.html>

TERRENCE O'CONNOR NEW CONTROLLER AT U OF M

Terrence O'Connor, retired director of finance at GTE Corp., has been named controller at the University of Minnesota. He will begin Dec. 2.

A graduate of DePaul University and a certified public accountant, O'Connor has more than 27 years of experience in financial management. In his new post, he will be responsible for the financial policies, procedures and controls that ensure the integrity of the university's business functions and will report to the senior vice president for finance & operations. O'Connor's professional affiliations include the American Institute of CPAs, and he is a past board member of Corporate America Federal Credit Union.

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11/25/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

**ANN REED, MIXED BLOOD'S WARREN BOWLES HEADLINE
HUMAN RIGHTS DAY CELEBRATION**

Singer Ann Reed and Mixed Blood Theatre actor Warren Bowles headline "A celebration of Life and Learning," an International Human Rights Day observance by the Partners in Human Rights Education Program, a joint initiative of the University of Minnesota Human Rights Center and Minnesota Advocates for Human Rights. Beginning at 6:30 p.m. Tuesday, Dec. 10 (International Human Rights Day), the celebration will be held at the First Unitarian Society of Minneapolis, 900 Mount Curve Ave.

The event will begin with a silent auction and hors d'oeuvres. Auction items include an autographed copy of *Dead Man Walking*, by Sister Helen Prejean; a handmade quilt; one loaf and six cookies per month for a year, provided by the Harvest Bread Co.; theater tickets; a home-cooked Indian dinner for four; and a night's stay at a bed & breakfast. Additional donations for the auction are being sought.

After the auction Reed will perform some of her songs, which blend personal and universal themes. She has received Billboard Magazine International Songwriting Certificates of Achievement and was named performer of the year by the Great Traditional River Festival. She also has won every major Minnesota Music Academy honor, including Artist of the Year. In addition, Bowles will present a one-man play, "Dr. King's Dream." Bowles, a veteran of 50 Mixed Blood productions, has played Paul Robeson and Jackie Robinson, among other characters.

Tickets are \$19.48 (1948 was the year the Universal Declaration of Human Rights was born) and are available from the Partners Program by mail. The address is Partners in Human Rights, Room 439 Law Center, University of Minnesota, 229 19th Ave. S., Minneapolis MN 55455. Children under 12 will be admitted free, and child care will be provided on request.

The Partners in Human Rights Education Program is a grassroots initiative established by the University of Minnesota Human Rights Center and Minnesota Advocates for Human Rights in 1992 to introduce international human rights and responsibilities to students of all ages. During the 1995-96 school year, 350 volunteers reached more than 4,500 students in 100 classrooms in Minnesota.

For more information, call the Partners in Human Rights Education Program at (612) 626-0041.

Contacts:

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11/25/96

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**ANN REED, MIXED BLOOD'S WARREN BOWLES HEADLINE
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11/25/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

FINALISTS IN U OF M PRESIDENTIAL SEARCH TO BE ANNOUNCED NOV. 27

Finalists in the search for the next University of Minnesota president will be announced at a special meeting 9 a.m. Wednesday, Nov. 27, in room 238 Morrill Hall on the Minneapolis campus.

An advisory committee charged with recommending potential candidates for the position of president forwarded three names to the university's board of regents Nov. 13. The three finalists came from a field of approximately 200 nominees, of whom 50 became active candidates. The executive search firm of Korn/Ferry International assisted in the search.

A new president is expected to be named by the university's board of regents no earlier than the second week in December.

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11/26/96 ns

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

FOUR KOREANS TO RECEIVE U OF MINNESOTA OUTSTANDING ALUMNI AWARDS

Four Korean alumni will receive University of Minnesota Outstanding Achievement Awards in Seoul Dec. 2 and 3. The award is the highest honor the university bestows on its alumni. University of Minnesota Nils Hasselmo, who is on a tour of Taiwan, China and Korea, will present the awards to these distinguished Korean scholars:

Dr. Kim Chong-sun, a professor of otolaryngology at Seoul National University. A postdoctoral fellow at the University of Minnesota from 1976-78, Kim is regarded as an academic leader and pioneering researcher in otopathology and auditory electrophysiology. He is a respected teacher and innovative scientist who initiated an ongoing research program and organized several international symposia to promote research and science exchange.

Dr. Kim Choong-nam, a professor at the Institute of Foreign Affairs and National Security, Ministry of Foreign Affairs. He graduated from the University of Minnesota with a doctoral degree in political science in 1977 and has served as adviser to three presidents. His writings and work were influential in developing public policy for democratic and social reform in Korea.

Lee Ki-suk, a geography professor at Seoul National University. Widely recognized for his contributions to the fields of regional analysis, planning and development, Lee's scholarship work in economic and urban geography continues to establish a new model for Korean cities. He received his doctoral degree in geography from the University of Minnesota in 1977.

Park Won-hoon, president of Korea Institute of Science and Technology. Park, who received a doctoral degree in chemical engineering from the University of Minnesota in 1971, is an influential policy maker who has played a key role in the technology advancement vital to Korea's emerging economy and the well-being of its people. He is a pioneering researcher who applies engineering skills to renewable sources of energy, clean coal technology and environmental protection.

"Each of the four has achieved distinction in his respective field, both in Korea and internationally," said Michael Metcalf, director of international studies at the University of Minnesota. "Recognizing their achievements will also, by extension, bring reflected credits to many other Korean alumni who will attend the functions in Seoul."

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11/26/96

News releases also on WWW at <http://www.umn.edu/urelate/newsservice/newsr.html>

FINALISTS NAMED IN U OF M PRESIDENTIAL SEARCH

The names of three finalists in the search for the next University of Minnesota president were announced today (Nov. 27) at a special meeting of the University of Minnesota's board of regents.

The finalists are:

- William Muse, president of Auburn University in Alabama since 1992. Previously, Muse was president of the University of Akron in Ohio for eight years and vice chancellor for academic programs and planning and dean of business at Texas A&M University from 1983 to 1984. He has a bachelor's degree from Northwestern State University in Louisiana and an MBA and doctorate from the University of Arkansas.

- Judith Ramaley, president of Portland State University since 1990. Previously, Ramaley was executive vice chancellor and biology professor at the University of Kansas, Lawrence, for three years and executive vice president for academic affairs at the State University of New York at Albany for five years. She has a bachelor's degree from Swarthmore College in Pennsylvania and a doctorate from the University of California, Los Angeles.

- Mark Yudof, executive vice president and provost of the University of Texas at Austin since 1994. Previously, Yudof was dean of the University of Texas School of Law for 10 years. He has a bachelor's degree from the University of Pennsylvania and a law degree from the University of Pennsylvania Law School.

The finalists' names were presented to the board of regents by the 11-member volunteer Presidential Search Advisory Committee that was charged with recommending three potential candidates for the position of president last June. The finalists came from a field of approximately 200 nominees, of whom 50 became active candidates. The executive search firm of Korn/Ferry International assisted in the search.

A new president is expected to be named by the university's board of regents no earlier than the second week in December.

Contacts:

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11/27/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

U OF MINNESOTA RESEARCHER RECEIVES GRANT TO STUDY ROLE OF LACTATION IN REDUCING BREAST CANCER RISK

University of Minnesota Cancer Center researcher David Kiang has received a four-year, \$509,000 grant from the National Cancer Institute to study how the molecular changes that occur during lactation can reduce a woman's risk for breast cancer. Research has shown that lactation before age 20 reduces a woman's lifetime risk of breast cancer by 40 to 50 percent, and Kiang hopes to develop a way to mimic lactation as a method of reducing breast cancer risk.

Kiang, a professor of medical oncology and director of the university's Breast Cancer Research Laboratory, said that breast cancer results from multiple genetic defects that accumulate during a woman's lifetime, often beginning during adolescent breast development.

"We know that during lactation there is a significant increase in communication among the mammary epithelial cells where breast cancer develops," he said. "The biological role of this increased communication is to get all epithelial cells working together to produce milk. We believe this increased communication between precancerous cells and their surrounding normal cells at an early age may lead to a reduced risk of cancer." Kiang likens the process to a troubled youth being exposed to positive role models and activities at an early age.

Kiang and his colleagues are currently unraveling the crucial segment of the gene for the protein that controls the cellular communication channel. By developing a way to mimic lactation, the researchers hope to regulate the protein and to increase intercellular communication, thereby reproducing the beneficial effect of lactation without a woman actually going through the lactation process.

The University of Minnesota formed the Cancer Center in 1991 to coordinate cancer-related programs. More than 200 faculty and staff are members of the center, and the university receives more than \$20 million a year in research grants from the National Cancer Institute and other federal sources.

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12/4/96 dm

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

Embargoed by *Science* magazine until 3 p.m. CST Thursday, Dec. 5. Tilman is available at (612) 625-5743 through Dec. 5 and at (612) 922-5781 7:30 to 10 a.m. CST Dec. 6.

NO SUCH LUCK: NITROGEN FROM AIR POLLUTION UNLIKELY TO MODERATE GLOBAL WARMING, SAY U OF MINNESOTA, TORONTO RESEARCHERS

Modern society pollutes the air not only with carbon dioxide, but also with large amounts of nitrogen-containing compounds released by the burning of fossil fuels and by the agricultural use of fertilizers. Some scientists have hoped that this extra nitrogen would spur the growth of plants and that the plants, in turn, would absorb some of the extra carbon dioxide in the atmosphere to moderate global warming from the greenhouse effect.

But that rosy scenario seems unlikely in the wake of work by scientists at the University of Toronto and the University of Minnesota. Writing in the Dec. 6 issue of *Science*, Toronto's David Wedin and Minnesota's David Tilman report little reason for optimism. In studying the effects of experimentally added nitrogen on prairie grasslands, they found that while low rates of nitrogen deposition encouraged plant growth and high carbon storage in fields dominated by native warm-season prairie grasses, the results were very different in fields dominated by nonnative cool-season grasses. These fields lost most of the added nitrogen and showed no net storage of carbon. Further, at medium and high rates of nitrogen addition, the native prairie species went extinct, the diversity of vegetation dropped sharply and the ability of the prairie grasslands to store carbon disappeared.

The two researchers spent 12 years studying the effects of experimentally added nitrogen in 162 plots in three Minnesota grasslands that are part of the National Science Foundation (NSF)-supported Long Term Ecological Research network. The grasslands were naturally low in nitrogen and varied in such factors as total soil carbon and plant species composition. The researchers supplied the fields with other nutrients that might have limited plant growth and controlled soil pH in order to isolate the effects of experimentally manipulated amounts of nitrogen.

"We added nitrogen at rates spanning what's deposited from the atmosphere in Minnesota to those of the Ohio Valley, right up through those of highly agricultural and industrial areas of Europe," said Tilman. "Two of our nine treatments went beyond these rates to try to predict the longer-term effects of nitrogen deposition. The rate in Minnesota is now about 0.7 to 1 gram of nitrogen--that's roughly equal to three-quarters of a teaspoon of pure ammonium nitrate fertilizer--per square meter per year. The Ohio Valley and the lower Great Lakes region receive about two or three times this amount, and parts of Europe receive up to 10 times this amount."

Tilman and Wedin found that more than half of the plant species were lost across the nitrogen addition gradient, with the greatest losses occurring at low levels of nitrogen addition--the 1 to 5 gram range, which is comparable to current atmospheric deposition rates in eastern North America and northern Europe. Fields of warm-season prairie grasses, which were best able to retain added nitrogen

and store carbon, were also most vulnerable to loss of species diversity and changes in plant species composition. Also, fields bearing a heavy nitrogen load were able to retain lesser proportions of the nutrient. Most of the lost nitrogen leaked into groundwater as nitrate, an important pollutant and human health threat across the Midwest.

"Whether we're concerned about tying up carbon dioxide or reducing groundwater nitrate pollution, the experiment shows that our native prairies do a better job," said Wedin. "Unfortunately, they are almost all gone in the Midwest. We should preserve the pieces of prairie left and start replanting them wherever we can."

The nitrogen-driven loss of diversity and rise of weedy species in grasslands are comparable to the well-documented changes that occur in some lakes when phosphorus is added, the researchers said. In lakes lacking phosphorus, the addition of this nutrient--often a result of human activities--causes "eutrophication," a process that leads to increased growth of algae and other undesirable outcomes.

"We won't know how general these results are until the experiment is repeated in forest ecosystems because they store more carbon than grasslands," said Tilman. But Tilman and Wedin conclude that in grassland ecosystems, nitrogen loading is a major threat that leads to loss of diversity, greater abundance of nonnative species and the disruption of ecosystem functioning--responses that are tightly linked.

"We cannot preserve prairies or maintain the functioning of these and other ecosystems if we continue to pollute them with high rates of atmospheric nitrogen deposition," said Tilman. "Nitrogen pollution is a problem that will grow progressively worse as the human population rises unless we take direct steps to counter it."

The work was supported by NSF and the Natural Sciences and Engineering Research Council of Canada.

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12/2/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

U OF M STUDENT ARRESTED FOR MANUFACTURING ILLICIT SUBSTANCE

Roman Eric Roberts, a chemistry student at the University of Minnesota and native of Burnsville, Minn., was arrested in Smith Hall Wednesday, Dec. 4, for a narcotics violation.

University Police say Roberts ordered compounds from the chemistry stockroom in Smith Hall that can be used to manufacture hallucinogens, and that they recovered a vial and other packages containing a substance believed to be the amphetamine MDMA, a hallucinogen commonly known as Ecstasy.

Roberts is currently in Hennepin County Jail on charges of first-degree controlled substance possession, a felony. If convicted, he faces jail time and a fine.

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12/5/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

WILLIAM MUSE, PRESIDENTIAL FINALIST AT U OF M, TO STAY AT AUBURN

William Muse, president of Alabama's Auburn University and finalist for the presidency of the University of Minnesota, announced today (Dec. 5) that he has accepted a five-year contract extension from Auburn's board of trustees.

Muse was one of three finalists selected by the University of Minnesota board of regents to interview for the presidency. Current university President Nils Hasselmo will step down in June 1997.

"This decision should not be seen as a negative reflection on the University of Minnesota," said Muse in a written statement. "To the contrary, it is one of the great universities in this country, and I feel that I could have provided effective leadership for that institution. All the folks at Minnesota with whom I have dealt have been very professional and supportive. And, as late as this morning, they have urged me to continue as a candidate. But my heart is in Auburn."

"We're disappointed to learn of Dr. Muses' decision," said University of Minnesota board of regents chair Tom Reagan. "He is an exemplary administrator and would have presented a strong case to the university community. We're very excited about the finalists who remain and confident that both will engender a great deal of enthusiasm when they visit next week."

The finalists are Judith Ramaley, president of Portland State University, and Mark Yudof, executive vice president and provost of the University of Texas at Austin.

Contact:

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12/5/96 MN

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

ROGER PASCHKE, TREASURER AND FINANCE VP AT U OF M, RESIGNS

Roger Paschke, treasurer and associate vice president for finance at the University of Minnesota since 1992, has resigned to become senior vice president and chief financial officer for the O.I.L. Insurance Co. in Bermuda. He expects to leave in mid-January.

Paschke began his career in finance while still a University of Minnesota student. In 1975 he received bachelor's degrees in political science and criminal justice studies, and in 1978 he became an investment analyst at the university. He rose to associate director of investments (1980), director of asset management (1985) and treasurer (1990) before assuming his current post. He also served as acting senior vice president for finance and operations from July to December 1995, until JoAnne Jackson was appointed.

Currently Paschke is responsible for managing the university's endowments, real estate, working capital, pension funds and other assets. He also manages the university's debt, in which capacity he obtained an increase in the university's credit rating from A1 to AA in 1993. He is a member of the Twin Cities Society of Security Analysts and the Association for Investment Management and Research.

In his resignation letter to Jackson, Paschke expressed admiration for his university colleagues and told her that they would always be welcome to visit him. "Just don't all come at once," he said.

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12/5/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

JOE DOWLING TO SPEAK AT CLA FALL COMMENCEMENT

Fall commencement for the University of Minnesota's College of Liberal Arts (CLA) will be held 1 p.m. Saturday, Dec. 8 in Northrop Auditorium on the Minneapolis campus. Nearly 250 students and their families will participate in the event, the first CLA commencement led by new dean Steven Rosenstone.

Joe Dowling, the new artistic director for the Guthrie Theater, will give the keynote address. Tom Trow, CLA assistant to the dean, said the university and the Guthrie have a long-standing tradition of cooperation and collaboration. "This relationship speaks to the importance of the liberal arts in all aspects of society," he said.

Other commencement speakers include CLA alumnus Archie Givens, director of the Givens Foundation for African American Literature, the nation's largest collection of literature by African Americans.

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12/5 /96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

U STUDENT-PARENTS AND THEIR CHILDREN CELEBRATE THE SEASON

As many as 200 University of Minnesota student-parents and their children will gather for the university Student-Parent HELP Center's annual holiday party at 11 a.m. Thursday, Dec. 19 in the Great Hall of Coffman Union. Scheduled party activities include face painting, food, clowns and music by the Teddy Bear Band.

This holiday season, University of Minnesota faculty and staff have been asked to donate to the HELP Center's Adopt-A-Family program. Money collected from the Adopt-A-Family holiday drive will provide qualified student-parents with gift certificates for household goods, food, clothing or gifts.

The Student-Parent HELP Center provides support and financial assistance to University of Minnesota students with children. Staff members facilitate support groups, run a study and meeting room, and distribute campus-based child care funding grants for eligible families. The HELP Center is part of the university's General College.

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12/5/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

U OF M PRESIDENTIAL FINALISTS TO MEET WITH PRESS, PUBLIC

Finalists for University of Minnesota president will meet with members of the press and the public during visits to the Minneapolis campus next week. Each finalist will be in Minnesota for two days; one day will be spent on the Twin Cities campus and the other on either the Duluth or Morris campus.

On the first day of each visit, finalists will meet with reporters from **8:10 a.m. to 8:30 a.m. in the lobby of Northrop Auditorium.**

Finalists will also participate in a public forum from 11 a.m. to noon in the Great Hall of Coffman Union on the first day of their visit. Each finalist will address a list questions submitted by university faculty, staff and students, and there will be time for additional questions from attendees. The public forums will be broadcast to the Crookston, Duluth and Morris campuses and the Rochester Center.

Here are the finalists and the days of their meetings.

- Monday, Dec. 9, and Tuesday, Dec. 10, Judith Ramaley, president of Portland State University
- Wednesday, Dec. 11, and Thursday, Dec. 12, Mark Yudof, executive vice president and provost of the University of Texas at Austin

A complete list of questions the finalists will address at the open forums and a schedule of activities for each finalist follows.

Contact:
University News Service, (612) 624-6868

12/6/96 mn

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

University of Minnesota Presidential Candidate Interview

OPEN FORUM QUESTION AND ANSWER SESSION December, 1996

The following questions, submitted by the faculty, staff, and student governance leadership, were presented to the University of Minnesota presidential candidate finalists in advance of their campus visits. The candidates were asked to respond to the questions in writing and to incorporate their responses into their presentation to the campus community during the scheduled Open Forum session.

Q. **Diversity:** Share your views, personal successes, failures and challenges in diversification efforts on your current campus. Describe your personal level of commitment to achieving greater diversity throughout the University of Minnesota system among students, staff and faculty.

Q. **Consultative Process:** What is your view of the role of faculty involvement in the governance of the University? What is your personal vision of shared governance? How will you demonstrate your commitment to the University's long-standing system of shared governance? How do you balance the need to make reasonably quick, well-informed decisions with the need to engage in meaningful consultation with faculty, staff, and students. Describe your management style as it relates to the implementation of difficult or unpopular administrative decisions.

Q. **National Rank & Reputation:** What do you think are the key developing intellectual fields on which the University of Minnesota should focus resources in order to be a major player in the next ten to twenty years? Could this focus ensure that the University would increase its national reputation in comparison to other research institutions? How would this approach to institutional investment increase the value of a degree earned from the University of Minnesota?

Q. **Campus Community Development:** What strategies have you used to promote the continual professional development of faculty, administrators, staff, and students? After one year as President what would you hope would be your greatest accomplishment in the area of improving students' lives, faculty vitality, and staff satisfaction?

Q. **System vs. Campus:** How do you balance the dual role of President of the University of Minnesota and Chancellor of the Twin Cities Campus, given the very different nature of the Twin Cities and coordinate campuses? How do you see the current organizational structure as a help or hindrance in meeting the obligations of this dual role?

Schedules for University of Minnesota Presidential Finalists

Judith Ramaley

Monday, December 9

- 7:30 - 8 a.m. Welcome by board of regents chair Tom Reagan, Marquette Hotel
8:10 - 8:30 a.m. Media availability, Northrop Auditorium lobby
 8:45 - 9:45 a.m. Meeting with Faculty Consultative Committee, Room 309 Coffman Union
 10 - 10:45 a.m. Meeting with Executive Council (vice presidents, chancellors),
 238 Morrill Hall
 11 a.m. - noon* Open forum, Coffman Union Great Hall
 12:15 - 1:15 p.m.* Lunch with deans, Eastcliff
 1:30 - 4:30 p.m. Introduction to individual members of the board of regents
 4:30 - 5:30 p.m.* Public board of regents meeting, St. Paul Student Center Theater
 5:45 - 6:15 p.m. Meeting with student leaders, Room 202 St. Paul Student Center
 6:30 - 7:15 p.m.* Reception with regents' professors, Marquette Hotel, Mississippi North Room
 7:30 - 9 p.m.* Dinner with boards of Alumni Association and University Foundation, Marquette
 Hotel, Minnesota River Room

Tuesday, December 10

- 8:30 - 9:30 a.m. Meeting with legislative leaders, Room 237 State Capitol
 9:30 a.m. Travel to University of Minnesota, Duluth

*Open to media for observation as space allows

Mark Yudof

Wednesday, December 11

- 7:30 - 8 a.m. Welcome by board of regents chair Tom Reagan, Hilton Hotel
8:10 - 8:30 a.m. Media availability, Northrop Auditorium lobby
 8:45 - 9:45 a.m. Meeting with Faculty Consultative Committee, Room 327 Coffman Union
 10 - 10:45 a.m. Meeting with Executive Council (vice presidents, chancellors),
 238 Morrill Hall
 11 a.m. - noon* Open forum, Coffman Union Great Hall
 12:15 - 1:15 p.m.* Lunch with regents' professors, Eastcliff
 1:30 - 4:30 p.m. Introduction to individual members of the board of regents
 4:30 - 5:30 p.m.* Public board of regents meeting, St. Paul Student Center Terrace Room
 5:45 - 6:15 p.m. Meeting with student leaders, Room 202 St. Paul Student Center
 6:30 - 7:15 p.m.* Reception with boards of Alumni Association and University Foundation,
 Hilton Hotel, Marquette Room
 7:30 - 9 p.m.* Dinner with deans, Hilton Hotel, Directors Row Room 3

Thursday, December 12

- 8:30 - 9:30 a.m. Meeting with legislative leaders, Room 237 State Capitol
 10 a.m. Meeting with Governor
 10:30 a.m. Travel to University of Minnesota, Morris

*Open to media for observation as space allows

statement

University News Service
6 Morrill Hall
100 Church St. SE
Minneapolis, MN 55455
612-624-5551

U OF M REGENTS CHAIR REACTS TO PRESIDENTIAL CANDIDATE WITHDRAWALS

Judith Ramaley, president of Portland State University and finalist for the presidency of the University of Minnesota, announced today (Dec. 6) that she has requested her name be withdrawn from the list of finalists.

Ramaley was one of three original finalists selected by the University of Minnesota board of regents to interview for the presidency. William Muse, president of Alabama's Auburn University, signed a five-year extension to stay at Auburn on Thursday, Dec. 5. The remaining candidate is Mark Yudof, executive vice president and provost of the University of Texas at Austin.

Tom Reagan, chair of the University of Minnesota board of regents, had the following statement:

"We are disappointed Judith Ramaley has withdrawn. She is a highly competent, well-qualified university leader and we wish her the best in the future. Mark Yudof is the remaining candidate. He will visit us next week. We are most impressed with his credentials, experience and the esteem in which he is held by higher education leaders throughout the country. We are committed to the process. We see no reason that the process should be stopped. We await with pleasure Mr. Yudof's visit to Minnesota.

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12/6/96 mn

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

OPEN HOUSE CELEBRATES 100 YEARS OF ASTRONOMY AT U OF M

To celebrate a century of watching and studying the heavens, the University of Minnesota astronomy department will hold an open house from 7 to 9 p.m. Wednesday, Dec. 11, in the Physics Building, 116 Church St. S.E. Visitors will visit research laboratories and, weather permitting, view the night sky from a telescope on the roof of the building. Refreshments will be served.

Visitors should go to Room 358 Physics, where they will be greeted by astronomy faculty, staff and graduate students. Highlights of the evening include:

- views from telescopes around the world, including the Hubble Space Telescope, radio and optical telescopes;
- the university's 100-year-old telescope;
- Supercomputer simulations of the fluid movements of astronomical objects;
- the Automated Plate Scanner, the university's highly precise machine for identifying hard-to-classify objects in photographic plates of the night sky; and
- the infrared astronomy laboratory, which includes computer hookups that allow researchers to view the heavens through remote telescopes without leaving the comfort of the lab.

For more information call the department at (612) 624-0211.

Contact:

Deane Morrison, News Service, (612) 624-2346, dmorris@mailbox.mail.umn.edu

12/9/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

U OF M PRESIDENT SELECTION SCHEDULED FOR FRIDAY

The University of Minnesota board of regents is scheduled to select the next university president at 10 a.m. Friday, Dec. 13, in Room 238 Morrill Hall, during its monthly meeting. The board will not meet on Thursday this month.

Also on the agenda are the swearing-in of new regent Michael O'Keefe—who replaces Jean Keffeler—and action on an amended tenure code for the Academic Health Center and Morris campus. Here is a schedule for the meeting.

- 8 a.m. Committee of the whole. O'Keefe's oath of office, action on Morris and Academic Health Center tenure code.
- **10 a.m. Vote on new president.**
- 11 a.m. (approx.) Board of regents, regular monthly meeting.

Contact:

University News Service, (612) 624-6868

12/10/96 dm

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U OF M PRESIDENTIAL VOTE SCHEDULED FOR FRIDAY

The University of Minnesota board of regents is scheduled to vote on the next university president at 10 a.m. Friday, Dec. 13, in Room 238 Morrill Hall, during its monthly meeting. The board will not meet on Thursday this month.

Also on the agenda are the swearing-in of new regent Michael O'Keefe—who replaces Jean Keffeler—and action on an amended tenure code for the Academic Health Center and Morris campus. Here is a schedule for the meeting.

- 7:30–7:50 a.m. Nonpublic meeting to discuss attorney-client privileged matters.
- 8 a.m. Committee of the whole. O'Keefe's oath of office, action on Morris and Academic Health Center tenure code.
- **10 a.m. Vote on new president.**
- 11 a.m. (approx.) Board of regents, regular monthly meeting.

Contact:

University News Service, (612) 624-6868

12/12/96 dm

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

RAPTOR CENTER EAGLE-WATCHING TRIP IN FEBRUARY

The University of Minnesota Raptor Center will hold its 13th annual Brunch with Bald Eagles trip Saturday, Feb. 15, 1997.

The outing will begin at the Raptor Center, 1920 Fitch Ave., on the St. Paul campus. Participants should arrive by 8 a.m. Buses will leave at 8:30 a.m. and head for Wabasha and Read's Landing, two hot spots for winter eagle watching along the bluffs of the Mississippi River. The first stop is the Wabasha Boatworks for brunch and a talk on eagles by a member of the Raptor Center staff. Othello and Leuc, two bald eagles in permanent residence at the center, will make an appearance. The tour will continue to Read's Landing, where 100 to 200 eagles winter each year. The event includes door prizes, one of which is a chance to release a bald eagle back to the wild. Buses will return to the Raptor Center at 6 p.m.

Participants must register by Feb. 11. Cost is \$45 for Raptor Center members, \$55 for nonmembers and \$20 for children under 16 and University of Minnesota students with current fee statements. The price includes brunch, lecture and bus transport. For brunch and lecture only, cost is \$20 (members), \$30 (nonmembers) and \$15 (children and University of Minnesota students). To register or for more information call MaryBeth Garrigan at (612) 624-3031.

Contacts:

MaryBeth Garrigan, Raptor Center, (612) 624-3031

Deane Morrison, News Service, (612) 624-2346, dmorris@mailbox.mail.umn.edu

12/12/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

Media note: Background information on the university's MALG Program and its NIH designation is available from University Relations, 6 Morrill Hall, (612) 624-6868. University General Counsel Mark Rotenberg will be available to reporters via conference call immediately following the news conference.

U OF M ANNOUNCES LAW SUITS REGARDING MALG REVENUES AND SURGERY DEPARTMENT RESEARCH GRANTS

The University of Minnesota received notification Thursday, Dec. 12 from the U.S. Department of Justice that the year-long negotiations between the university and the federal government over alleged fund abuses in the university's department of surgery have reached an impasse and that the government intends to sue the university under the False Claims Act and other federal laws on or before Dec. 20.

On Friday, Dec. 13, the university filed a separate suit in Minneapolis federal court asking the court to void the "exceptional designation" the university received from the National Institutes of Health in 1995, restore the university's authority over federal research grants and declare the government's claims unconstitutional and based on unsound legal theories.

The government claims it is entitled to all revenues received by the department of surgery's MALG program, as well as the return of large federal grants that were allegedly mismanaged for years by the department. None of the government's claims relate to any current or ongoing abuses.

"The university has been forced to take action at this time after exhaustive attempts to avoid litigation," said university Board of Regents Chair Tom Reagan. "We believe the federal government is trying to use the NIH designation as a lever to coerce the university into paying an outrageous settlement in order to shift state dollars into federal coffers. On behalf of the citizens of Minnesota, the board of regents refuses to allow the federal government to force the university to send so much money to Washington as part of an unfair settlement."

MORE

"This is and always has been an institution with zero tolerance for abuse of federal research dollars," said university President Nils Hasselmo. "When we found wrongdoing, we promptly investigated it, did the hard work of disclosing it and took the corrective action necessary. The government is wrong to now blame the university for problems it allowed to go unchecked while it slept on the solutions."

The university's MALG Program was discontinued by the university's board of regents in March, 1994 following an 11-month university-sponsored internal investigation which revealed gross abuses. In March 1995, the university announced further findings of grants management abuse in the department of surgery and took corrective actions.

Contact:
University News Service, (612) 624-6868
12/16/96 ns

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U OF M PHYSICS DEMO AIMS TO AMAZE, ENTERTAIN ALL AGES

In the interest of science, physicists will be dropped 20 feet, shot at and made to lie on a bed of nails while a concrete block on their chest is smashed with a sledgehammer during a demonstration of physics principles beginning at 7:30 p.m. Wednesday, Dec. 18, in the University of Minnesota's Willey Hall, on the west bank Minneapolis campus.

The show will feature Dan Dahlberg, University of Minnesota physics professor; Jack Netland, physics teacher at Maple Grove High School; Hank Ryan, physics teacher at Mounds View High School; Jon Barber, retired physics teacher at Mounds View; and university graduate students Fred Orsted and Aaron Pinski. The show is free to the public and will include about 35 demonstrations. Here's a sample.

- Collapsing 55-gallon drum. The steel drum will be heated, sealed and left to cool. As it cools, its sides will collapse from lack of inside pressure to balance outside pressure.
- The monkey and the hunter. A hunter aims his gun at a monkey hanging from a branch. The monkey drops as the shot is fired, and the shot hits the monkey. Why? Because gravity makes bullets and monkeys fall at the same rate. This will be simulated by a physicist being dropped almost 20 feet as a cue ball is fired. The falling physicist will catch the ball with a catcher's mitt. No fatalities are anticipated.
- Bed of nails. A physicist lies on a bed of nails with a concrete block on his chest. Another person smashes the block. The physicist is unharmed by the nails, thanks to the wide distribution of his weight over many nails. When the block is hit by the sledgehammer, part of the sledgehammer's momentum is transferred to the concrete. However, the mass of the block is so large that the blow doesn't transfer much of the sledgehammer's speed to the block, and so no injury is done.

Contact:

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12/13/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

MARK YUDOF NAMED 14TH PRESIDENT OF THE UNIVERSITY OF MINNESOTA

Mark Yudof, executive vice president and provost of the University of Texas at Austin since 1994, was named the 14th president of the University of Minnesota today (Friday, Dec. 13) by a unanimous vote of the board of regents.

Yudof, 52, will assume the post July 1, 1997, upon the retirement of university President Nils Hasselmo, who has served since 1989. Yudof's salary will be \$225,000. Currently, Hasselmo receives \$183,000 and Yudof \$205,000 in his Texas post.

Yudof has a bachelor's degree from the University of Pennsylvania and a law degree from the University of Pennsylvania Law School. He served for 10 years as dean of the University of Texas School of Law before becoming executive vice president and provost. In that post, he initiated many improvements in undergraduate education at the Austin campus, including an extensive revision of undergraduate advising; an Academy of Distinguished Teachers to recognize and reward outstanding teachers, especially those who teach undergraduates; and a freshman seminar program that aims to give all entering freshmen a small-class experience.

As an administrator, Yudof has a reputation for commitment to scholarship. While dean of the University of Texas School of Law, he created—and raised funding for—a program to allow regular sabbaticals to faculty wishing to pursue scholarly activities. In his personal legal work, he is an authority on school finance and has written widely on such topics as school desegregation and property taxes. His book "When Government Speaks: Politics, Law, and Government Expression in America" won him the Meritorious Book Award from the American Society of Writers on Legal Subjects in 1983 and a Certificate of Merit from the American Bar Association in 1984. He has also received the Student Bar Association Teaching Excellence Award (1974-75), the Chicano Law Students Association Recognition Award (1990), the Thurgood Marshall Legal Society Award (1990) and the Jurisprudence Award from the Anti-Defamation League (1991). Yudof is a fellow of the American Bar Foundation and the Texas Bar Foundation and holds the James A. Elkins Centennial Chair in Law at the University of Texas.

"Provost Yudof was selected by the people of Minnesota," said Tom Reagan, chair of the board of regents. "The board travelled the state, listening to citizen concerns about the qualities they wanted in a president. Provost Yudof represents the best of those qualities—a commitment to keeping the university accessible to the people while improving its status as one of the top research universities in the world."

Yudof was selected as a finalist by an 11-member volunteer Presidential Search Advisory Committee charged with recommending potential candidates for the position of president last June. The finalists came from a field of approximately 200 nominees, of whom 50 became active candidates.

Contact:**University News Service, (612) 624-6868****12/13/96 dm, ns****News releases also on WWW at <http://www.umn.edu/urelate/news.html>**

**PACEMAKER PIONEERS HONORED ON
40TH ANNIVERSARY OF THEIR BREAKTHROUGH**

Dr. C. Walton Lillehei and Earl Bakken, the two pioneers who created the first cardiac pacemaker at the University of Minnesota, will be honored on the 40th anniversary of their breakthrough by university President Nils Hasselmo at 5 p.m. Monday, Dec. 16 at Eastcliff. Bakken, founder of Medtronic Inc., designed the first battery-powered wearable pacemaker after Lillehei described a critical need for such a device in cardiac patients.

Bakken and Lillehei, credited with creating the field of biomedical engineering and with spawning Minnesota's Medical Alley, will receive certificates bearing the words to be inscribed on a bronze plaque outside of what was Operating Room J in the Mayo Building, where their collaboration began in December 1956.

Lillehei—known worldwide as "the father of open-heart surgery"—teamed with other colleagues at the university to pioneer a multitude of surgical innovations and devices in Operating Room J. These innovations have since saved millions of lives.

The two men are honorary co-chairs of the effort to raise \$12 million for the Biomedical Engineering Institute, which joins faculty and students from the university's Medical School and Institute of Technology in a program to develop biomedical inventions and to collaborate on such projects with Minnesota's \$7 billion health care industry.

Bakken is director emeritus of Medtronic Inc. in Fridley. Lillehei is professor emeritus in the university's Medical School and director of medical affairs at St. Jude Medical Inc. in Little Canada.

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12/13/96

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U OF M PARACHUTE DESIGN TEAM WINS NATIONAL AWARD

A group of researchers from the University of Minnesota's department of aerospace engineering and mechanics and the Army High Performance Computing Research Center (AHPCRC) have received the 1996 Commander's Educational Award For Excellence from the U.S. Army Soldier Systems Command for their work designing computerized parachute models that simulate real-life airdrop systems.

Using the latest in computer technology, the U team, composed of Vinay Kairo, Andrew Johnson, Tayfun Tezduyar, William Garrard and Shahrouz Aliabadi, collaborated with Army researchers to study the way paratrooper-cargo aircraft interact with large ram-air parachutes during use. The computer models enabled the team to design parachutes able to transport payloads as heavy as 21 tons.

"We are honored to have received this prestigious award," said Tezduyar, professor of aerospace engineering and mechanics and director of the AHPCRC. "We feel privileged that the Army entrusted the AHPCRC with developing powerful high-performance computing methods for challenging Army technological issues."

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12/16/96

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Media note: If you have a problem receiving this issue of Starwatch on or after Dec. 23, call (612) 624-5551 and ask for someone from the News Service.

UNIVERSITY OF MINNESOTA JANUARY STARWATCH

by Deane Morrison

Comet Hale-Bopp, billed as a possible "comet of the century," will probably reveal its true greatness in January. Will it rival Comet Halley's historic 1910 appearance, or will it falter and fade into the dark chasm of space? We'll see. Meanwhile, two things are sure this month: Venus will sink into the morning twilight, and Mars will rise and shine.

Venus is falling toward the horizon as it gets ready to circle behind the sun in early April. It appears low in the southeast at dawn and steadily loses altitude as the month progresses.

Mercury joins Venus in mid-month; the best days to see it will be the 11th to the 13th. Look for it about three degrees (six full moon widths) to the upper left of Venus. Binoculars will help. Like Venus, Mercury will be heading behind the sun soon. Being speedier than Venus, Mercury will get there in mid-March while Venus won't make it until early April.

Mars, now in the head of Virgo, the virgin, is well up in the south at dawn. Mars is getting closer these days as Earth gains on it in the race around the sun. In March we'll overtake the red planet—a situation known as opposition because at that time Mars will be directly opposite the sun. As we draw closer, Mars brightens noticeably and its orangish color becomes more obvious. The bright star following Mars into the sky is Spica, representing an ear of grain held by the virgin.

Jupiter, lost in the sun's afterglow, leaves Saturn as the only bright evening planet. It comes out in the southwest after sunset, still sailing along beneath the eastern edge of the Great Square of Pegasus. Telescopically, Saturn looks less like its usual self because its rings appear only slightly tilted from our point of view. Nevertheless, the planet's soft golden hue always makes it a beautiful sight.

Comet Hale-Bopp disappeared from the evening sky last month, but in January it reappears in the morning sky. The comet appears as a fuzzy patch in the due east, very low in the first week of January but higher every day. After the 21st, however, moonlight will begin to interfere, so best viewing should

be during the third week of the month. Hale-Bopp is supposed to brighten steadily and reveal a short, dense tail that makes it a delight to the eye. But comets are notoriously unpredictable. Will Hale-Bopp live up to its billing, or will it fizzle into a tiny smudge that can only be seen in binoculars? Take a look and judge for yourself. If it's easy to spot and brightens noticeably, then chances are that Hale-Bopp will put on a spectacle in March and early April, when it achieves maximum brightness and passes closest to the sun.

The moon is waning in the morning sky as the new year begins. On the 7th, its very thin crescent joins Venus for a pretty pairing. The new moon arrives on the 8th. The evening of the 9th, a very young crescent may be visible through binoculars half an hour after sunset in the west-southwest. The waxing crescent visits Saturn on the 13th and reaches fullness the morning of the 23rd. This full moon has been called the moon after yule, the old moon or the wolf moon, the last a name given by some Indian tribes for the wolves that howled hungrily outside their villages in midwinter.

January evenings offer the best chance to see the famous winter constellations in their full glory. Directly south stands Orion, raising his club against Taurus, the bull, who lowers his head for the charge. The Milky Way runs like a faint river of light from southeast to northwest, past Sirius, the Dog Star, all the way to Cassiopeia in the north. In the east, just beyond the Gemini twins, the Beehive cluster of stars stands out against dark skies. Like the Hyades and Pleiades clusters in Taurus, the Beehive looks breathtaking through binoculars.

Earth reaches perihelion—its closest approach to the sun—at 5 p.m. on New Year's Day. At that moment we'll be 91.2 million miles from our parent star.

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Starwatch is a monthly guide to the night sky in the Upper Midwest. For a taped version from the University of Minnesota astronomy department, call (612) 624-2001.

Contact

Deane Morrison, (612) 624-2346, dmorris@mailbox.mail.umn.edu (until Dec. 20)

12/18/96

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

U OF M PROFESSOR W. DIXON WARD DIES AT 72

W. Dixon (Dix) Ward, professor emeritus of communication disorders and otolaryngology at the University of Minnesota, died of heart failure Thursday, Dec. 19 at his home in St. Paul. He was 72.

A native of Pierre S.D., Ward earned a degree in physics from the South Dakota School of Mines and Technology in Woon Socket in 1944. After serving as a radar technician in the Navy from 1944-46, he enrolled in the graduate program in physics at the University of Minnesota. He later moved to Harvard University to work on his doctorate degree in psycho-acoustics.

Ward had a lifelong fascination with music and did his dissertation on the subjective octave and the pitch of pure tones. He received a doctorate in experimental psychology in 1953. In 1954, he joined the research team at the Central Institute for the Deaf in St. Louis to work on a three-year project for the Navy. The project investigated the auditory and nonauditory effects of high-intensity noise and stimulated his interest in the hazards of noise exposure.

In 1962, Ward joined the University of Minnesota faculty and taught in the departments of communication disorders, otolaryngology, public health and psychology. Although he had officially retired, he never stopped teaching and was grading exams up until the week before he died.

A prolific writer, Ward published 112 articles, 40 book chapters and 22 book reviews and edited four books. He also was known for writing letters to the Minnesota Daily, the campus newspaper, at least once a month. He was active in the Society for Research in Psychology of Music and Music Education, the American Auditory Society, the International Society of Audiology and the Acoustical Society of America.

Besides his wife, Edith, Ward is survived by daughters Marnie Cushing of Red Wing; Laurie Ward Gardner; Chris Lacey and Holly Ward; and two grandchildren.

A memorial celebration will be held at 7 p.m. Jan. 11 at Campus Club in Coffman Union at the University of Minnesota. Memorial to the St. Anthony Park Block Nurse Program are suggested.

Arrangements are by the Cremation Society of Minnesota.

**Contact: Bob San, News Service, (612) 624-4082, bsan@mailbox.mail.umn.edu
12/23/96**

Media note: Gruessner is available to reporters from 9 a.m. to 1 p.m. Tuesday, Dec. 24. To arrange an interview, call him at home Monday night at (612) 944-7151, in his office Tuesday at (612) 625-1485, or page him at (612) 899-2347. Michelle Macht, Courtney's mother is also available for interviews Tuesday on unit 5C. To reach her call Brenda Durand, 5C charge nurse at (612) 626-3053.

MINNESOTA'S FIRST BOWEL/LIVER TRANSPLANT SURGERY PERFORMED AT UNIVERSITY OF MINNESOTA

Courtney Macht, a three-year-old from Boyd, Minn., became Minnesota's first small bowel and liver transplant recipient Wednesday, Dec. 18 in a procedure performed at the University of Minnesota Hospital. She is doing extremely well, according to her surgeon, Dr. Rainer Gruessner. Fewer than 50 combined bowel/liver transplants have been performed worldwide on children under age 5.

Courtney was born with short bowel syndrome, a rare disorder. She was fed intravenously, but the intravenous nutrition gradually caused her liver to fail. She has had numerous complications which required frequent visits and lengthy hospital stays at Sioux Valley Hospital in Sioux Falls, S.D.

Bowel and liver transplant organs became available Wednesday night. Courtney was flown to the university while the transplant team, including Gruessner, flew to retrieve the organs in Vancouver, British Columbia, Canada. The procedure took approximately 30 hours from start to finish.

"Courtney's transplant was only possible due to the collaborative efforts of numerous departments within the university and the efforts of her primary-care physician, Dr. Gary Neidick in Sioux Falls, and the Sioux Valley Hospital staff," Gruessner said. "Five more people are awaiting bowel transplants at the University of Minnesota—one of them is a five-year-old awaiting a liver/bowel."

Gruessner also performed the world's first living bowel transplant this past June. The teenager, David Tillery, received a part of a living bowel which was donated by his father, Johnnie Tillery. David has been eating regular food since July, and Johnnie returned to work in August.

Contact:

Teri Charest, phone (612) 624-4604; pager (612) 899-6687

12/23/96 ns

News releases also on WWW at <http://www.umn.edu/urelate/news.html>

U OF M FACULTY SHOWCASE ART IN ALL-CAMPUS EXHIBITION

Thirty-six faculty representing three of the University of Minnesota's four campuses, will showcase their work in the *All Campus Faculty Exhibition* from Jan. 8 through Jan. 31 at the Katherine E. Nash Gallery on the west bank of the university's Twin Cities campus. A reception is scheduled for 6 p.m. Friday, Jan. 10. All events are free and open to the public.

The exhibition represents a diverse selection of methods, processes, imagery and ideas through installations, mixed-media, videos, sculpture, paintings, prints and drawings.

Artists from the Twin Cities campus faculty include Guy Baldwin, Karl Bethke, Thomas Cowette, David Feinberg, Lynn Gray, Gary Hallman, James Henkel, Curtis Hoard, Diane Katsiaficas, Jerald Krepps, Thomas Lane, Susan Lucey, Joyce Lyon, Clarence Morgan, Mark Pharis, Wayne Potratz, William Roode and Thomas Rose. Artists from the Duluth campus include Janice Anderson, Leif Brush, James Brutger, Alyce Coker, Gloria DeFillipps Brush, Thomas Kerrigan, James Klueg, Dean Lettenstrom, Robert Repinski, Gunnar Swanson and Harry Watts. Artists from the Morris campus include Alan Fierro, Kevin Flicker, John Ingle, Jess Larson, Jenny Nellis and Fred Peterson.

"This is not only an opportunity for the public to see the wide range of art being created by university faculty, but also a chance for colleagues from the three campuses to reacquaint themselves with each other and renew their relationships," said Wayne Potratz, chair of the Twin Cities campus art department.

"To exhibit with our colleagues represents an opportunity that is far-reaching and important," says Robert Repinski, chair of the Duluth campus art department. "It is a shared mission that we undertake—to educate the artist. To gather all the energies at play in this effort is truly exciting and beneficial for faculty and students alike."

"It is always enlightening to see what colleagues across the university are engaged in and to share our works with them," said exhibition chair Jenny Nellis, chair of the Morris campus arts department. "This exhibition is also an important opportunity for students to see a comprehensive body of work by their instructors."

The Katherine E. Nash Gallery is open Tuesday, Thursday, and Friday, 10 a.m. to 4 p.m.; Wednesday, 10 a.m. to 8 p.m.; and Saturday, 11 a.m. to 5 p.m.

Contact:

Eric Rasmussen, (612) 625-9825

12/26/96 ns

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