

UNIVERSITY OF MINNESOTA

University News Service

University of Minnesota • 6 Morrill Hall • 100 Church Street S.E. • Minneapolis, Minnesota 55455 • (612) 624-5551

U OF M COMPLETES FUND DRIVE FOR NEW CANCER CENTER; NEWS CONFERENCE SET FOR TUESDAY, JAN. 4

New cancer research projects and the completion of the University of Minnesota Cancer Center's fund drive will be announced at a news conference at 10:30 a.m. Tuesday, Jan. 4, in the Hegman Conference Room of the Masonic Cancer Center, 424 Harvard St. S.E., on the university's Minneapolis campus.

The drive, begun in 1991, has raised \$30.5 million from almost 1,000 corporate, foundation and individual donors, surpassing its original goal of \$30 million. The center, a four-story, 81,000 square-foot research facility to be completed in 1995, will provide a focus for the university's cancer research and treatment programs in. In addition, center funds will be used to recruit faculty for endowed chairs and new research projects. Construction of the research facility will begin this February.

News conference participants will be Winston Wallin, chair of Medtronic, Inc., chair of the Fund for the University of Minnesota Cancer Center and special adviser to university President Nils Hasselmo, and John Kersey, Children's Cancer Research Fund professor of pediatrics, director of the university's bone marrow transplant program and the center's acting director. Three university cancer researchers also will be present to discuss new research.

Governor Arne Carlson has declared Jan. 4 as "University of Minnesota Cancer Center Day."

Contact: Mary Stanik, (612) 624-4604

1/3/94

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THOMAS MURPHY, U OF M MECHANICAL ENGINEERING PROFESSOR EMERITUS, DIES IN HIS OFFICE JAN. 4

Thomas Murphy, University of Minnesota mechanical engineering professor emeritus, died in his Minneapolis campus office today (Jan. 4), apparently from natural causes. He was 75.

Murphy was found unconscious on his office floor by a co-worker at about 11 a.m., according to police. Rescue workers tried to revive him for about 30 minutes at the scene before he was pronounced dead by the medical examiner.

Murphy's teaching career at the university began in 1946. He received the Institute of Technology Alumni Distinguished Teaching Award in 1967 and the Society of Automotive Engineers Teeter Award for Distinguished Teaching in 1975. He was one of the founding members of the Twin Cities Section of the Society of Automotive Engineers (SAE) and was elected to the SAE board of directors from 1979 to 1981 and 1985 to 1987.

Murphy received bachelor's and master's degrees from the university and worked as a university instructor from 1941 to 1944 before serving in the Navy, where he helped develop and test some of the most advanced naval aircraft engines used in World War II. He returned to the university in 1946 and focused his teaching and research on applied thermodynamics with special emphasis on gas turbines and internal combustion engines. Murphy retired in June 1989 and has since had professor emeritus status.

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1/4/94

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Jan. 6, 1994

Contact: Bill Brady, (612) 625-8510

PUBLIC SERVICE ANNOUNCEMENT

(30 SECONDS)

THE STIRRING HARMONIES OF THE STEELES
WILL BE FEATURED IN THE UNIVERSITY OF
MINNESOTA'S ANNUAL *MARTIN LUTHER KING
JUNIOR MEMORIAL CONCERT*. THE CONCERT
TAKES PLACE AT 2 P.M. SUNDAY, JANUARY 16TH,
AT THE NEW TED MANN CONCERT HALL ON THE
UNIVERSITY'S WEST BANK. PICK UP YOUR FREE
TICKETS AT ANY TICKETMASTER LOCATION OR
THE FOLLOWING CAMPUS OUTLETS: COFFMAN
UNION INFORMATION DESK, WEST BANK
SKYWAY SERVICE CENTER OR THE ST. PAUL
STUDENT CENTER.

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Media note: Jacobs is available at (612) 625-3384.

U OF M PROFESSOR SNARES MAJOR HEALTH CARE RESEARCH GRANT

The University of Minnesota has received a \$250,000 grant from the Robert Wood Johnson Foundation for political science professor Lawrence Jacobs, who will study American public opinion and its impact on health care reform. The university is among 10 to receive 1993-94 Investigator Awards in Health Policy Research from the foundation. The awards enable "a select number of highly qualified people" to seek creative solutions to problems affecting health care and health care policy. A total of 183 grant applications were submitted under this program.

In his project, *Democracy, Leadership and Health Reform*, Jacobs will explore four questions:

- How do Americans feel about health care reform, and are their feelings having any impact on the policy-makers?
- How is the media covering the debate? Are they leading or misleading the public?
- What's happening in Congress?
- What is the Clinton administration saying? Is it changing as the debate ensues?

Jacobs' co-investigator on the project is Columbia University associate political science professor Robert Y. Shapiro.

"Public opinion is obviously having an impact now, as policy-makers debate the broad principles of health reform," said Jacobs. "The next question is, will public opinion matter when it comes to the nitty-gritty specifics of policy-making, such as how providers should be reimbursed, or what procedures should be covered? We are pleased to get this generous grant from the Robert Wood Johnson Foundation to follow this part of the health care debate."

The Princeton-based Robert Wood Johnson Foundation is the largest private philanthropy devoted to improving health and health care in the United States.

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1/10/94

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LAWRENCE WEAVER TO BE INTERIM DEAN OF U OF M COLLEGE OF PHARMACY

Lawrence C. Weaver, dean of the University of Minnesota College of Pharmacy from 1966 to 1984, will serve the university again by becoming the college's interim dean Jan. 22.

Weaver, a pharmacology specialist, will succeed Robert Cipolle, who has been interim dean since 1992.

After he left the university in 1984, Weaver was vice president for professional relations of the Pharmaceutical Manufacturers Association in Washington, D.C., until 1989. While at the association, Weaver was responsible for outreach efforts with pharmacy professional organizations.

"Dr. Weaver is one of the university's finest citizens, and we are deeply indebted to him for his willingness to add this major assignment to his very busy and productive life at a time when we need him most," said Richard P. Elzay, deputy vice president for health sciences and dean of the School of Dentistry. "We heartily welcome him back to the university and the College of Pharmacy."

Weaver received a bachelor of science degree in pharmacy from Drake University in 1949 and a doctorate in pharmacology from the University of Utah in 1953. Before coming to the university in 1966, he held various research and development positions at the Pitman-Moore Division of Dow Chemical Co.

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1/11/94

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FASTEST SILICON PHOTODETECTOR DEVELOPED BY U OF MINNESOTA, U OF ROCHESTER ENGINEERS

Fiber optics are rewriting the book of communications at light speed. History's first optical communication system relied on the human eye, which can detect about 25 light flashes per second before the images blur together, as in a movie. In contrast, modern optical telecommunications systems use electronic "eyes" to "read" light signals at speeds of 2 billion per second.

But a group led by Steve Chou, a University of Minnesota electrical engineering professor, has designed and built silicon-based devices that can read up to 110 billion signals per second—an advance that can potentially make fiber optic communications 50 times faster. The devices' speed was measured by a group led by Thomas Hsiang, an electrical engineering professor at the University of Rochester and senior scientist at Rochester's Laboratory for Laser Energetics.

Using today's technology, transmitting the contents of the Library of Congress via phone line would take two weeks; the new technology could cut the time to only eight hours. It would also allow fax machines to work much faster, with implications best left to the imagination.

Fiber-optical communications require both a source of the light pulses that carry information and a photodetector to "read" the pulses and translate the signals from optical to electrical form. Thus photodetectors play a pivotal role in modern technologies, including telecommunications, multimedia, CD players and supermarket checkouts.

Such fast detectors are urgently needed as fiber optic communication technology explodes into the era of multimedia services and devices, Chou said. "Creating photodetectors that are significantly faster will greatly speed up the explosion," he said. For example, fiber-optic lines will be extended to homes and businesses to handle the increased information load, and the demand for technologies to quickly pass the information will skyrocket.

The device consists of an interlocking grid of gold "fingers" sitting atop a silicon chip. When light slips through the grid and hits the silicon, electrons are freed, generating an electrical signal that light has been detected.

"The secret of designing and fabricating such fast photodetectors is miniaturization," Chou said. "When the spacing between the fingers becomes very small, it will take very little time for electrons to generate a signal." To make the detector so small, Chou's group developed a special type of electron-beam lithography machine that acts as a very sharp pen to carve out the fine features of the detectors. Their machine is one of only a few that can make features with dimensions as small as one ten-thousandth of a hair's breadth.

"Another significance of this work is that it uses silicon, the semiconductor material that is used to build most integrated circuits," said Chou. "Previously, most high-speed detectors were built from compound semiconductors, such as gallium arsenide, and were therefore incompatible with silicon integrated circuits."

Hsiang's group found that signals from red light generate a slower signal than violet light because red light penetrates silicon deeper. The deeper the light goes, the deeper the electrons are liberated and the farther they must travel to get out of the silicon and hit a gold electrode. Hsiang's group is one of few in the world able to conduct such fast measurements. He studied the detector by sending it powerful laser pulses lasting less than a trillionth of a second, generated by a tunable titanium-doped sapphire laser that acted much like a very fast strobe camera.

Also working on the project were graduate students Mark Lue Liu of Minnesota and Chia-Chi Wang of Rochester. The Minnesota work was supported primarily by the Packard Foundation, with additional support from the National Science Foundation (NSF), the Army Research Office and Semiconductor Research Corp. At Rochester, support came from NSF, the Department of Energy and the New York State Energy Research and Development Authority.

The work was reported at the 1993 Device Research Conference in Santa Barbara, Calif.

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1/14/94

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Media note: Prothrow-Stith will be available for interviews from 11:30 a.m. to noon Tuesday in the Great Hall annex. Photos of her and Bancroft are available from Buffie Shannon, 624-2965.

YOUTH VIOLENCE, WOMEN'S WELL-BEING ARE TOPICS OF U OF M WOMEN'S HEALTH FAIR, CONFERENCE JAN. 25, 26

- Harvard's Deborah Prothrow-Stith to speak on youth violence Tuesday
- Explorer Ann Bancroft to give keynote speech Wednesday

A keynote address, *Deadly Consequences: Stopping Youth Violence*, will highlight the University of Minnesota's women's health fair and conference, *Risk and Resiliency*, Tuesday and Wednesday, Jan. 25 and 26, in Coffman Union and the St. Paul Student Center.

That keynote address will be presented at noon Tuesday by Deborah Prothrow-Stith, assistant dean of the Harvard School of Public Health. Her experience ranges from work in neighborhood clinics and inner-city hospitals to serving as Massachusetts commissioner of public health.

Wednesday's keynote address, *Journey to Antarctica: A Story of Risk and Perseverance*, will be given at noon by explorer Ann Bancroft, the first woman to venture to both poles. She led a four-woman ski team to the South Pole on Jan. 13, 1993, and was the only female member of the 1986 Steger International Polar Expedition to the North Pole.

Both addresses will be in Coffman's Great Hall and will be simulcast at the St. Paul Student Center. Prothrow-Stith's will also be simulcast at the Duluth, Crookston and Morris campuses, St. Cloud State and Hamline universities and Hibbing, Lakewood, Inver Hills and North Hennepin community colleges. Those sites will also have *Risk and Resiliency* events that day.

The health fair will feature other experts who will address topics such as eating disorders, breast cancer, mental health, oppression, addictions, fitness, hormone replacement therapy, pregnancy and childbirth, and violence. Exhibits, displays and information will be available in Coffman's North Star Lounge and the student center's Lower Lounge both days.

The event is free and open to the public. Tickets, which are needed only for the keynote addresses in Coffman Union, are free and available at Coffman's information booth, West Bank Skyway Service Center, St. Paul Student Center, Gaviidae Common customer service centers in Minneapolis and the Town Square information booth in St. Paul.

Prothrow-Stith will sign copies of her new book, *Deadly Consequences: How Violence is Destroying Our Teenage Population and A Plan to Begin Solving the Problem*, from 10:30 to 11:30 a.m. Tuesday in the North Star Lounge.

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UNIVERSITY OF MINNESOTA FEBRUARY STARWATCH

by Deane Morrison

It's a good thing the February night sky offers a fine sampling of bright stars, because most of the planets have dropped out of sight. Venus reappears as an obscure evening "star," and Mercury watchers get a glimpse of the elusive planet early in the month, but of the five most visible planets only Jupiter comes out in dark skies.

Mercury, fresh from a rendezvous with Saturn above the western horizon, appears low in the west-southwest as sunset fades. On the 4th, Mercury loops out to 18 degrees from the sun, the farthest it will get during this appearance. After that it will quickly drop back toward the horizon as it heads between Earth and the sun.

The sun's nearest planetary neighbor, Mercury averages 36 million miles from the sun, but follows a lopsided orbit with extremes of 32 million and 40 million miles. Being kept on such a short leash, it must move fast in order not to spiral into the sun. Accordingly, this speediest of planets orbits the sun every 88 days. This, of course, causes its rapid appearances and disappearances, which likely prompted the ancient Greeks to name the planet after the messenger of the gods.

Venus, emerging from behind the sun, climbs just above the western horizon during the last week of the month. It may be barely visible in the dense twilight just south of due west, but most observers will probably prefer to wait until March to see this lovely planet in the evening.

Saturn disappears into the sunset by the end of the first week of February. It will reappear as a morning planet in March. Mars, too, will come back in the morning sky next month, but will stay out of sight in the predawn dusk until late April or May.

Jupiter rises about 1 a.m. on the 1st. By month's end it will have passed into the evening sky and will rise about 11:30 p.m. As it transits the morning sky, the big yellow planet is bracketed by two bright stars. To the west is the white star Spica, in Virgo, and to the east, rising after Jupiter,

comes Antares, the red heart of Scorpius. Jupiter will continue to rise earlier as the year progresses. In July it should make headlines as Comet Shoemaker-Levy 9 crashes into it. The comet has already been torn into at least 22 pieces by the tidal forces of Jupiter's gravity. Although the impact will probably occur out of sight on the night side of Jupiter, astronomers around the world have already lined up to observe the approach of the comet and its violent demise.

The moon wanes its way through the morning sky early in February, dwindling to the new phase on the 10th. The very young moon appears near Mercury just after sunset the next night. On the 25th the full moon rises below Regulus, the brightest star in Leo. Some American Indians dubbed this the "snow moon" for the weather that accompanies its appearance. On the 28th, the three-days-past-full moon rises in close company with Spica.

The cluster of famous winter constellations occupies its highest position in the evening sky this month. Farthest south is Canis Major, marked by Sirius, the Dog Star. The dog days of summer get their name from ancient Mediterranean people who noted that Sirius was in conjunction with the sun in summer and figured that, since Sirius is the brightest star, the sultry weather resulted from its heat being added to the sun's. Although Sirius doesn't actually warm our planet measurably, it's only 8.7 light-years away and does put out quite a bit of heat, being twice the size of the sun and 20 times brighter. Its name is Greek for "scorching."

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

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1/21/94

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RARE HARPY EAGLE FROM VENEZUELA RAIN FOREST TO ARRIVE AT U OF M RAPTOR CENTER FOR TREATMENT TONIGHT (FRIDAY, JAN. 21)

An adult male harpy eagle suffering from a gunshot wound is being flown from Venezuela to the University of Minnesota's Gabbert Raptor Center today (Friday, Jan. 21) for treatment. The bird, a representative of the world's largest eagle species, will arrive from Miami on a flight donated by Northwest Airlines at about 7:15 p.m. and will be taken straight to the Raptor Center for exams and X-rays. **Center staff will be available to talk to reporters at the center, 1920 Fitch Ave. on the St. Paul campus, at 8 p.m.**

Dr. Patrick Redig, director of the center, has tentatively scheduled surgery to repair the bird's broken leg for 1 p.m. Monday, Jan. 24. The eagle will take about 10 weeks to recover and then will be turned over to the World Center for Birds of Prey in Boise, Idaho, which will determine whether the bird will be released or used in a captive breeding program.

Harpy eagles inhabit the tropical rain forests of Central and South America. An endangered species, the harpy is an important biological indicator whose numbers are rapidly dwindling from destruction of its habitat. They have wingspans up to seven feet and weigh up to 20 pounds. They are gray, with striking black crest feathers and black bands on the chest and tail. Harpies can move almost vertically through the forest canopy and feed on Capuchin monkeys, sloths, opossum and other mammals, as well as macaws and other birds. They are believed to nest only every other year, laying but one egg each breeding season.

The harpy arriving today has been in captivity in Venezuela for nearly three weeks, is eating well and seems healthy. It will be under quarantine at the Raptor Center for 30 days.

The Raptor Center is a private, nonprofit organization dedicated to the treatment of sick and injured birds of prey.

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

Patrick Redig, Raptor Center, (612) 624-4969

Susan Kirchoff, Raptor Center, (612) 624-3781

1/21/94 dm

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Embargoed by *Nature* magazine until Thursday, Jan. 27. David Tilman is available at (612) 625-5740, John A. Downing at (514) 343-6798.

BIODIVERSITY REALLY DOES STABILIZE ECOSYSTEMS, U OF MINNESOTA, U OF MONTREAL STUDY FINDS

The first study to clearly show that biodiversity stabilizes ecosystems and strengthens their ability to recover from damage will be reported by University of Minnesota and University of Montreal ecologists in the Jan. 27 issue of the journal *Nature*. Their findings carry implications for forests, wetlands, cultivated land and even urban lawns, all of which may be more stable and recover faster from drought, disease and other stresses if they harbor many plant species rather than one or a few.

The idea that species diversity is important to ecosystems has been around for decades, but no large-scale study had ever tested it, said David Tilman of the University of Minnesota.

"It's actually simple," Tilman said. "The more species you have, the more likely some will be resistant to drought or other stress. The resistant ones will grow and take the place of those harmed by the stress. We should preserve biodiversity because it's nature's insurance policy against catastrophes. Today, humans are greatly decreasing biodiversity, not just in the tropics but in our own back yards. This loss of species has serious long-term implications for the earth. Our habitats are becoming more susceptible to insects, disease, fire, drought and the like."

Working with John A. Downing of the University of Montreal, Tilman examined the productivity (the weight of vegetation grown) of 207 test plots of Minnesota prairie from the drought years 1987-88 through 1992. At the outset, individual plots contained from 1 to 26 plant species. The more species in a plot, the less productivity it lost during the drought and the faster its productivity recovered. Plots with 7 or more species fared relatively well and generally recovered completely, but those with fewer did poorly and sometimes failed to recover completely in the four years following the drought. For example, most species-rich plots lost half their productivity during the drought while some species-poor plots lost 88 percent. Specifically, the 14'x14' plots produced an average of 200 pounds (wet

weight) of vegetation before the drought; the number fell to about 100 pounds in diverse plots and to only about 25 pounds in species-poor plots.

The study was done at the University of Minnesota's Cedar Creek Natural History Area in Bethel, Minn., of which Tilman is director. The researchers varied the number of species per plot by applying different amounts of nitrogen fertilizer, starting in 1982. The heavier the fertilization, the fewer the species that grew in a plot. The work was part of a 12-year study of the factors controlling species composition, dynamics and diversity in grasslands, sponsored by the National Science Foundation and the Andrew Mellon Foundation.

The idea that species diversity is important to ecosystems has been termed the diversity-stability hypothesis, the scientists said. A counterhypothesis holds that it doesn't matter what or how many species are present, as long as an ecosystem contains samples of several types of organisms, for example, green plants, herbivores, predators, pollinators and decomposers. Tilman said that his and Downing's study repudiates the counterhypothesis and shows that the number of species definitely matters.

"We've shown that biodiversity of an ecosystem has a major impact on its stability and functioning," Tilman said. "This work leaves little doubt that biodiversity matters, and that habitats with more species withstand stress better and recover faster. Instead of eliminating species from our forests, roadsides and lawns, we should be preserving them. For instance, in the Midwest, prairie plants are resistant to drought and pests. We should restore these along our roadways and powerline right-of-ways, and in our yards and parks. By sustaining biodiversity we help sustain ourselves."

Ecologists Edward O. Wilson of Harvard University, (617) 495-2315, and Peter Vitousek of Stanford University, (415) 725-1866, could comment on the report's significance.

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1/24/94

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**Media note: Donnelly will be available for interviews
Friday afternoon; call (612) 624-2021 to arrange a time.**

DNA 'FINGERPRINTING' EVIDENCE WIDELY MISREPRESENTED, EXPLAINS BRITISH EXPERT IN TALK AT U OF M FRIDAY, JAN. 28

Evidence based on the DNA "fingerprinting" technique has been widely misunderstood, often to the detriment of defendants in criminal cases, according to Peter Donnelly, a statistics professor at the University of London and visiting professor at the University of Minnesota. Using simple terms, he will explain how at 2:30 p.m. Friday, Jan. 28, in room 3-180 of the university's Electrical Engineering/Computer Science Building, 200 Union St. S.E., on the Minneapolis campus. His talk is free and open to the public.

Donnelly, who was called as an expert witness in the first appeal of a conviction based on DNA evidence in England, said that misinterpretation of DNA evidence often takes the form of the "prosecutor's fallacy." For example, suppose a defendant's DNA matches DNA from a crime scene, and the chances of a match are one in a million. A prosecutor may erroneously tell the jury that that means there's only one chance in a million that somebody other than the defendant committed the crime. But, said Donnelly, if the crime occurred in a metropolitan area with, say, more than 2 million people, chances are that at least one other person who fits the DNA profile will be in the area. Therefore, he said, the area contains two people who could have committed the crime and, absent other evidence, the suspect would have only a 50-50 chance of being the guilty one.

Donnelly is visiting the university's Institute for Mathematics and Its Applications for a workshop in mathematical population genetics.

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U OF M LAW PROFESSOR DAVID WEISSBRODT APPOINTED TO U.S. DELEGATION OF U.N. COMMISSION

University of Minnesota law professor David Weissbrodt has been appointed by the Clinton Administration to the U.S. delegation to the United Nations Commission on Human Rights. The commission is meeting Jan. 31 through March 11 in Geneva, Switzerland.

The commission, comprising representatives from 53 countries, is the primary political body of the United Nations focusing on international human rights issues. The commission is currently considering human rights in Bosnia, China, Cuba, Iran, Iraq, Myanmar, Somalia, South Africa, Sudan, Zaire and several other countries. The commission is also addressing issues of arbitrary killings, disappearances, religious tolerance, children's rights, the right to development, torture and the use of mercenaries. The commission is also expected to establish a new Special Rapporteur on Violence against Women.

Weissbrodt has written a handbook, "International Standards Related to Pretrial Detention," and a practice guide, "Orientation Manual: The U.N. Commission on Human Rights, Its Sub-Commission, and Related Procedures." He recently completed the 1994 supplement to his textbook, *International Human Rights: Law, Policy, and Process*, and an article on *Implementation of Human Rights and Humanitarian Law in Situations of Armed Conflict*.

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1/27/94 ns

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DOUGHERTY TO CHAIR U OF M HOSPITAL AND CLINIC BOARD

Michael E. Dougherty was elected Jan. 26 to a one-year term as chair of the University of Minnesota Hospital and Clinic Board of Governors. Dougherty, 53, is founder and chair of Dougherty Dawkins Inc., an investment firm. Nellie Johnson, vice president of Walker Health Services Inc. of Minneapolis, was elected vice chair. Johnson is a former deputy commissioner and state budget director for the Minnesota Department of Finance.

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2/2/94

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EEOC SUES UNIVERSITY OF MINNESOTA FOR AGE DISCRIMINATION IN 2 1991 LAYOFFS

The Equal Employment Opportunity Commission (EEOC) filed a lawsuit Tuesday, Feb. 1 in Minnesota's Federal District Court alleging age discrimination in the layoff of two University of Minnesota plumbers.

General Counsel Mark Rotenberg said that no discrimination occurred when the two Facilities Management plumbers, Harlan Larson, then 59, and Anthony Manthey, then 61, were laid off in 1991. "The university has been working with the EEOC for several months, attempting to resolve this matter amicably, and will continue to work with the EEOC in good faith to resolve this as soon as possible," Rotenberg said.

"No trades worker or any other Facilities Management employee has been laid off because of age—age is not a factor that is considered when making layoff decisions," said Sue Markham, associate vice president for Facilities Management. "Two of the most important factors, however, are individual performance and retaining the variety of skills needed to maintain university facilities."

In 1991, 700 university workers, including five plumbers, were laid off because of a reduced work load, internal restructuring and budget reductions. The average age of plumbers before and after the layoffs remained about the same, and roughly 75 percent of the plumbers were in the protected over-40 age group before and after the layoffs, Markham said.

In another case, also filed by a plumber laid off in 1991, the EEOC found no age discrimination.

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2/2/94 gg

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RUSH CITY, PINE CITY, OJIBWE BAND TO NEGOTIATE HEALTH CARE PARTNERSHIP WITH U OF M

The University of Minnesota Health System (UMHS) will negotiate the development of a health care delivery partnership with organizations from three east central Minnesota communities, according to letters of intent signed Tuesday, Feb. 1. Rush City Area Hospital and Clinic, Pine City's Lakeside Medical Center, and the Mille Lacs Ojibwe band in Hinkley will now begin exclusive discussions with UMHS on details of the partnership.

The letters of intent anticipate that UMHS would provide necessary specialty care services and teaching and research activities in the three communities which, like most small communities in Minnesota, are experiencing a growing shortage of physicians and other health care professionals. Under the partnership, UMHS would assist with placement and retention of primary care physicians.

In effect, the partnership would create a network of primary clinics under one management along the Interstate-35 corridor north of the Twin Cities. Rush City and Pine City already have primary clinics, and the Ojibwe band has indicated interest in financing a new clinic in Hinkley, where population growth resulting from local gaming has made the health care situation especially critical. Negotiations will be concluded with the Ojibwe band within the next 180 days and by Dec. 31 with the other parties.

"This partnership creates a system in which residents of these communities can be assured of integrated, efficient health care delivery, whether they need primary or referral care," said Greg Hart, president of the University of Minnesota Health System. "It is an important step in Minnesota health care delivery."

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2/3/94 ns

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WORLD'S FIRST ENDOWED CHAIR IN SWINE HEALTH TO HONOR ALLEN D. LEMAN

The world's first endowed chair in swine health has been established at the University of Minnesota College of Veterinary Medicine to honor Allen D. Leman, who taught swine medicine at the college from 1975 until his death in August 1992.

An endowed chair, the university's highest faculty position, is supported by earnings from an endowment fund established for the position. The funds are used to support the chairholder's salary, benefits, and expenses, as well as education, research, and service programs and activities. The chair's endowment is \$2 million; up to \$1 million will be matched by university funds. To date, more than \$1 million has been received in gifts and pledges.

Leman, an internationally renowned expert on pig production and health, was a frequent speaker, consultant, and author, and was the editor of *Diseases of Swine*, the internationally known reference on pig diseases. His honors included the Howard Dunne Award for significant contributions to the Association of Swine Practitioners and the Pfizer Leadership Award. He was selected by the U.S. Department of Agriculture for the veterinary medicine delegation to the People's Republic of China in 1980. He held undergraduate, graduate, and veterinary degrees from the University of Illinois, and joined the faculty of the University of Minnesota in 1975 as an associate professor, becoming a full professor in 1979. In 1988, he became an adjunct professor when he joined Swine Graphics Enterprises, a pig data record and farm management organization, as a partner. At the time of his death from an apparent heart attack at 48, Leman was attending the International Pig Veterinary Society meeting in The Hague, The Netherlands.

“Al was a visionary,” said David Thawley, dean of the College of Veterinary Medicine. “His unparalleled record of accomplishment and influence, his innovative thinking and his dedication made him a pioneer in swine herd health and management techniques. It is wonderful that the chair will continue Al’s vision in swine health and production.”

An international search is under way to fill the chair.

Contact: Phil Oswald, Director of External Relations, College of Veterinary Medicine, 612/624-1247

2/7/94

UNIVERSITY OF MINNESOTA

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DRUG COMPANY WITHDRAWS ALG PROPOSAL; U EXPLORING LICENSING OPTIONS

The major drug company that had been negotiating with the University of Minnesota for the purchase of the transplant drug ALG has withdrawn its proposal.

“Obviously we’re disappointed about the negotiations, because our number one goal has been to make this drug available to transplant patients,” said Robert Erickson, the university’s senior vice president for finance and operations. “For humanitarian reasons, we’ll continue to do everything in our power to get ALG licensed and back on the market.”

ALG, an antirejection drug used in organ transplantation for more than 20 years, has not been sold since August 1992, when the U.S. Food and Drug Administration placed a hold on distribution.

Discussions are continuing with the FDA regarding possible resumption of clinical testing needed for licensing. Other proposals are also being evaluated.

Contact: Pat Kaszuba, (612) 624-8520

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3 SHARE \$150,000 U OF M SIEHL PRIZE FOR EXCELLENCE IN AGRICULTURE

□ Trio will be first to receive new prize

□ Prizes will be awarded at March 17 ceremony

Aldrich Bloomquist, Bert Enestvedt and William Larson are the first recipients of the University of Minnesota's newly established Siehl Prize for Excellence in Agriculture. Each will receive \$50,000 in recognition of their extraordinary contributions to agriculture.

Bloomquist, a consultant for American Crystal Sugar from Moorhead, Minn., helped form America's first sugar beet cooperative, which virtually saved the sugar beet industry in the Red River Valley. Enestvedt, a farmer from Sacred Heart, Minn., specializes in certified seed production and production programs through a variety of statewide organizations. Larson, a University of Minnesota soil science professor from Shoreview, Minn., is known for his work in reducing soil erosion through conservation tillage techniques.

The three will receive their awards during a ceremony March 17 at the Radisson Hotel Metrodome in Minneapolis.

The Siehl Prize, established by the university's Institute of Agriculture, Forestry and Home Economics, will be awarded every two years. It fulfills the wishes of Eldon Siehl, a Minnesota farmer, businessman and philanthropist who wanted a portion of his estate to go to the University of Minnesota Foundation to establish a prize for excellence in agriculture. To be eligible, individuals must reside or have resided in Minnesota for at least five years or hold a degree from the University of Minnesota. Individuals are chosen from three categories: production agriculture, agribusiness and agriculture-related academics.

"The establishment of this award is a wonderful salute to the significance of agriculture to our society," university President Nils Hasselmo said. "Food is a basic requirement for human life. It is directly related to social, economic and political stability. Yet those individuals who have committed their lives to agriculture, be they farmers, researchers or business people, are seldom recognized for their contributions. Thanks to Eldon Siehl, that is no longer the case."

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**Embargoed by *Science* magazine until Friday, Feb. 11, for print media, 5 p.m.
CST Thursday, Feb. 10, for broadcast. Gallup is available at (612) 624-9598.**

STRONG EVIDENCE FOR ASTRONOMICAL CAUSE OF ICE AGES FOUND BY UNIVERSITY OF MINNESOTA GEOLOGISTS

University of Minnesota geologists have confirmed the theory that ice ages are caused by changes in Earth's orbital geometry and shown that long warm periods like the one we're enjoying now are common. In their work, reported in the Feb. 11 issue of the journal *Science*, they determined the dates of several periods of high sea level during the last 200,000 years and correlated them with the dates of variations in the amount of solar heat reaching the Northern Hemisphere.

Graduate student Christina Gallup, assistant professor Larry Edwards and adjunct professor Robert Johnson based their work on techniques for dating ancient coral developed by Edwards in 1987. They have now refined the technique and applied it to a controversy over the reliability of a key method of dating ice age-related events and a recent challenge to the orbital geometry theory.

The existence of glacial deposits was once attributed to a great flood along the lines of the biblical story. It took the great 19th-century naturalist Louis Agassiz to advance the idea that the deposits were left by the melting of huge sheets of ice that had once covered the land. Ideas of how such ice sheets, or glaciers, formed have ranged from suggestions that the sun gives off varying amounts of heat to theories of sunspot activity or variations in cosmic dust concentrations. The prime proponent of the orbital geometry theory was the Serbian scientist Milutin Milankovitch. His work, performed in the 1930s, laid the basis for the orbital geometry theory, also known as the Milankovitch theory, which holds that changes in the tilt of Earth's axis and other irregularities in its orbit cause varying amounts of solar heat (insolation) to reach the northern latitudes. When heating drops to a critical point, summers become too cool to melt snow accumulated from the winters, and glaciers begin to grow.

Although changes in heating can be readily calculated, tying those changes to ice ages has been difficult. But one fairly reliable method of timing the ice ages is to look at the record of sea level changes. Sea level drops as glaciers tie up large amounts of water; likewise, high sea levels indicate periods between ice ages.

Gallup measured the ages of specimens of a type of coral that always grows near the ocean surface as an estimate of where sea level was in the past. Because the land of Barbados is slowly rising due to movements in the Earth's crust, any coral that grew at high sea level tens of thousands of years ago will now be found high and dry in outcroppings called coral terraces, and several of

(MORE)

those were sampled. (Corals that grew when sea level was low will be underwater today.) The researchers found that for the last five warm periods (non-ice ages), sea level peaked at or after peaks in summer heating of the Northern Hemisphere. And the sea-level drop at the end of several of these warm periods lagged behind decreases in summer heating by 5,000 to 10,000 years.

"Today, sea level is still lagging behind a drop in insolation," said Gallup. "We're heading toward another ice age, and the question is whether global warming, if it occurs, can postpone or modify its effects. Our data reveal new details about climate, for example, that extended warm periods are characteristic of glacial cycles. This should help modellers to figure out how the system works."

Currently, Earth tilts 23.5 degrees from the vertical but the tilt is decreasing. This will cause cooler summers in the future. Earth's tilt varies between about 22 degrees and 24.5 degrees, completing a cycle roughly every 40,000 years. The orbital changes are very clear, but the new data show that their effects on climate are variable, reflecting the huge complexity of Earth's climatic system, Gallup said.

In her analyses, Gallup used the thermal ionization mass spectrometry (TIMS) method developed by Edwards for measuring ratios of uranium-234 to uranium-238 (a relatively stable isotope) and ratios of thorium-230 to uranium-238. The method works as follows: U-238 (present in rocks and seawater) decays into U-234, which decays into Th-230. But Th-230 cannot dissolve in seawater, so seawater contains none. Thus corals with a measurable Th-230/U-238 ratio must have picked up all their thorium from uranium decay. Since the rate of decay is known, the Th-230/U-238 ratio determines the age of the coral. Also, the ratio of U-234/U-238 is measured. But seawater, and coral grown in it, have a higher U-234/U-238 ratio than do rocks on land that are protected from weathering by rain or ground water. After a coral dies, its U-234 begins to decay away. But by knowing the coral's age and current U-234/U-238 ratio, one can figure out what its U-234/U-238 ratio was when it was alive. If that ratio matches the marine ratio, the coral has remained unaltered by weathering since it was lifted out of the sea, and its age is reliable.

"In the last five years, many scientists have questioned the reliability of the Th-230 method of dating coral," Gallup said. "Because of our improved methods in TIMS, we can measure isotope ratios precisely enough to see the effects of alteration by weathering. In effect, we shrank the error bars so that you can say which samples match the marine U-234/U-238 ratio and which don't."

Last year, other researchers set off a controversy by using TIMS/Th-230 techniques to date calcite from the Devils Hole cave in Nevada. Their data indicated that sea level began to rise *before* summer heating did about 140,000 years ago, a result at odds with the Milankovitch theory. But, said Gallup, her data support Milankovitch.

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Media note: Embargoed by *Circulation* until 4 p.m. (CST) Wednesday, Feb. 9, for electronic media; Thursday morning (Feb. 10) for print. Lurie is available for interviews Feb. 8 and 9 at (612) 625-4401.

ACTIVE COMPRESSION-DECOMPRESSION CPR BETTER THAN STANDARD CPR WHEN IMPLANTED CARDIAC DEFIBRILLATORS DON'T WORK RIGHT AWAY, SAYS U OF M STUDY

Cardiopulmonary resuscitation (CPR) done with a special hand-held pump on people receiving surgically implanted defibrillators to quell serious rapid heart rhythms works better than standard CPR to revive these patients when the defibrillators fail to work immediately, according to a University of Minnesota study.

Active compression-decompression CPR, done with a hand-held suction device that is placed on the patient's chest, was found to provide 20 to 50 percent more blood to the heart than standard CPR. This increased blood flow is thought to result in better heart function, thus increasing the chances for survival. The study was published in the February issue of *Circulation*.

The study's 21 subjects (16 men and 5 women) were monitored during surgery to implant cardiac defibrillators, and all of them received both types of CPR at least once. During defibrillator implantation surgery, at least two wires are placed in the heart to induce a rapid heart rhythm. Once the wires are in place, the defibrillator is tested to make certain it can properly stop the abnormal rhythm. If the defibrillator works, no CPR is needed. However, sometimes the defibrillator does not work during the first "shock," and second and third shocks are required. It was during these subsequent shocks that the two CPR methods were compared.

"The patients we studied provided our team with the first opportunity to measure blood pressure to a fibrillating heart while employing active compression-decompression CPR," said

Keith Lurie, assistant professor of medicine-cardiovascular medicine and the study's senior investigator. "With this type of CPR, the significant increase in blood flow to the heart occurs when the heart is most vulnerable, and we hope this improvement will lead to less heart damage should the patient survive. Additionally, this study allowed us for the first time to measure the pressure inside a patient's chest while active compression-decompression CPR was under way. It is the decrease in the chest pressure that occurs while pulling up on the chest during the active decompression phase that is thought to act as a sort of siphon that forces blood from peripheral veins and air from the windpipe into the chest, thus improving the chances for patient survival."

The study's principal investigator is Jeffrey Shultz, a cardiology medical fellow at the university.

Lurie is the principal investigator of another study, the first involving the use of active compression-decompression CPR on cardiac arrest victims before they reach a hospital. Results of this study are expected to be available within the next few months.

In addition, Lurie and David Benditt, professor of medicine-cardiovascular medicine, recently established the country's first cardiac arrhythmia center dedicated to studying heart rhythm disorders, including ways to improve the use of active compression-decompression CPR. Heart rhythm disorders, as well as heart palpitations and atrial fibrillation (the disorder that troubled former President George Bush in May 1991) will be among the afflictions studied.

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U OF M ANNOUNCES \$1.3 MILLION GIFT FROM 3M

The University of Minnesota announced Tuesday (Feb. 8) that it has received \$1.3 million in grants from the 3M Foundation. Of this, \$1 million is designated for the Carlson School of Management Capital Campaign. The grant is in response to the academic needs and priorities established by the university and will help bring technology and scientific knowledge together with business know-how in such areas as product development and marketing.

3M, the university's largest corporate contributor, also announced additional funds for continuing programs, including scholarships, research grants-in-aid and faculty development in the Institute of Technology and the university's Health Sciences Center.

"I am very gratified by this extremely generous grant from 3M," said University President Nils Hasselmo. "We have a long-standing partnership with 3M and this gift is a splendid affirmation of our joint effort in bridging the academic and professional worlds. One of our key strategic goals under *University 2000* is to make programs such as those of the Carlson School of Management, the Institute of Technology and the Health Sciences Center among the very best available in the world, and to ensure that these programs are closely tied to their respective professional communities."

3M has a history of working with the university's Institute of Technology in the area of research, as well with its student and faculty programs. In addition, 3M employs approximately 3,000 university graduates, hires more alumni from the university's Institute of Technology than does any other organization and has several hundred employees continuing their education through the university system.

Contact: Martha Douglas, Carlson School, (612) 625-0843
Linda Berg, University Foundation, (612) 624-4897

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U OF M REGENTS MAY ASK STATE FOR SUPPLEMENTAL FUNDS

- **Vote scheduled on administration's \$16.5 million supplemental budget request**
- **Monthly meetings Thursday and Friday, Feb. 10 and 11**

The University of Minnesota Board of Regents will vote on a request for \$16.5 million in supplemental funding from the state Legislature at its monthly meetings Thursday and Friday, Feb. 10 and 11.

The administration is seeking additional funds to "jump-start" *University 2000*, a long-range plan aimed at positioning the university for the 21st century. The request includes \$6 million for new student services, such as drive-up information centers and electronically accessible information; \$7 million for equipment and technology, including classroom computers and distance education; \$1.3 million for library improvements; and \$1.6 million for ongoing funding of agriculture and medical research. The additional state funding would be added to the \$8.5 million already set aside by the university in its strategic investment pool.

The supplemental legislative request will be considered at Friday morning's committee of the whole meeting. Other topics on this month's agenda include a proposed contract with University of Minnesota Clinical Associates, a market comparison of proposed tuition rates for next year, an update on the ALG program and a report from President Nils Hasselmo on issues raised at recent NCAA and Big 10 presidents' meetings.

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

Thursday, Feb. 10

- 11 a.m. Board of Regents, 238 Morrill. Non-public meeting to discuss University Hospital marketing activity.
- 1 p.m. Committee of the whole, 238 Morrill. Report on market comparisons of proposed tuition rates; report on enhancing university's research effectiveness.
- 2:30 p.m. Educational planning and policy, 300 Morrill. Action on joining Minnesota Aviation Training and Education cooperative with Minnesota's other higher education systems.
- 2:30 p.m. Financial operations and legislative, 238 Morrill. Update on ALG program.
- 4 p.m. Faculty, staff and student affairs, 300 Morrill. Report on NCAA and Big 10 athletic issues.
- 4 p.m. Facilities, 238 Morrill. Amendment to Waseca property transfer.

Friday, Feb. 11

- 8:30 a.m. Committee of the whole, 238 Morrill. Supplemental legislative request, University of Minnesota Clinical Associates contract.

After Committee of the Whole:

- Board of Regents, 238 Morrill.

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U OF M PRESIDENT NAMES INTERIM ASSOCIATE, APPOINTS SEARCH COMMITTEE

Jeanne Lupton, retired dean of General College, has been named interim associate to University of Minnesota President Nils Hasselmo. Lupton, an associate to the university president during the 1970s, has agreed to serve from Feb. 14 until a permanent appointee is in place.

The position was made vacant by the resignation of Kathy O'Brien, who will leave on Feb. 18 to become city coordinator for Minneapolis. President Hasselmo has appointed a search committee to seek her replacement, a task that is expected to take from six to eight weeks.

Lupton joined the university faculty in 1960 as professor of social sciences in General College. She was President Peter Magrath's top assistant from 1974 to 1979, when she was named dean of General College, a post she held until 1987. She then served as acting associate vice president for student affairs until her retirement in 1990. Her bachelor's, master's and doctoral degrees are all from the University of Minnesota.

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SHERRY GLIED, HEALTH CARE ECONOMIST, TO SPEAK AT U OF M'S HUMPHREY INSTITUTE

Sherry Glied, a member of the President's Task Force on Health Care Reform, will speak at 4 p.m. Thursday, Feb. 17, in the Humphrey Institute's Cowles Auditorium at the University of Minnesota in Minneapolis.

Glied, assistant public health and economics professor at Columbia University, will speak on *The Economics of Health Care Reform: An Insider's View*. Glied co-chaired the economic impacts and the global budgets working groups of the national task force, chaired by First Lady Hillary Rodham Clinton. She was also senior staff economist with the President's Council of Economic Advisers in 1992-93 and was principally responsible for health care and labor market issues. She wrote the health care chapter of the 1993 Economic Report of the President.

Glied's lecture is sponsored by the institute's Center for Population Analysis and Policy.

For more information contact Pam Williamson, Humphre Institute Development and External Relations Office, at (612) 625-2055.

Contact: Gwen Ruff, (612) 625-1326

2/10/94 ns

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U OF M BLACK LAW STUDENTS ASSOCIATION HOLDS ANNUAL CONFERENCE FEB. 25-26

As part of its Black History Month activities, the University of Minnesota Black Law Students Association will hold its annual conference, *Your Rights as a Family of Color*, from 6 to 10 p.m. Friday, Feb. 25, and 10 a.m. to 2 p.m. Saturday, Feb. 26, at the Glenwood Lyndale Community Center, 908 Fifth Ave. N., Minneapolis. The event is free and open to the public.

Topics will include violence in the home, with reference to the Domestic Abuse Act; adoption; foster care; and landlord-tenant issues. Among the speakers and participants are MaryJo Brooks and Robin MaGee, law professors at Hamline University; Charlotte Vick of the North American Council for Adoptable Children; Larry McDunnough, a staff attorney with the Legal Aid Society of Minneapolis; Merrie Butcher of the Minneapolis Housing Service; Evelyne Giobe, federal program director of WHISPER; and Keith Ellison of the Legal Rights Center. For more information contact Troy Matson at 571-7616.

Contact: Kristi Rudelius-Palmer, (612) 626-7794

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ART, THE ENVIRONMENT ARE FOCUS OF U OF M BELL MUSEUM CONFERENCE, EXHIBIT FEB. 26

The role of American wildlife art in conservation and its use in documenting Earth's threatened biological diversity is the subject of a day-long conference beginning at 9 a.m. Saturday, Feb. 26, at the James Ford Bell Museum of Natural History at the University of Minnesota, Minneapolis. Speakers will include naturalist and art historian Robert MacCracken Peck, artist Robert Bateman and Colorado Springs Fine Arts Center director David Wagner.

Wildlife Art in America, an exhibit featuring more than 100 works by historical and contemporary wildlife artists, will open at the Bell Museum the same day. A reception will follow the conference at 5 p.m.

For registration information, call Shirley Mueffelman at (612) 625-3850.

Contact: Nina Shepherd, (612) 624-0214

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U OF M ESTABLISHES LEADERSHIP PROGRAM TO TRAIN DISABLED STUDENTS NATIONWIDE

The University of Minnesota's Disability Services office has established the nation's first program to prepare students with disabilities from around the country for leadership roles.

Based on the Twin Cities campus, Project LEEDS (Leadership Education to Empower Disabled Students) will help participants from around the country develop leadership skills such as organizing student cultural centers, serving as student government representatives and working in federal, state and local government.

Project LEEDS will develop a leadership training curriculum to be used during a week-long workshop at the university this summer for students with disabilities. It will provide workshop participants with training, technical assistance and follow-up support, and will conduct outreach to high school students with disabilities.

"The first step to becoming an effective leader is to know and appreciate who you are," said Sue Kroeger, director of Disability Services at the university. "Disabled people will have difficulty moving forward until we come together and celebrate the disability experience."

Project LEEDS is funded by the Dwight D. Eisenhower Leadership Development Program of the U.S. Department of Education, project #P261A30060. Federal funding is \$306,010 over two years (the second year is subject to approval). This represents 92 percent of the project's budgeted cost. The original proposal was developed in collaboration with General College faculty.

Contacts: Gene Chelberg, project coordinator, (612) 626-0961

Betty Aune, project director, (612) 624-6884

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THE EFFECT OF AGE ON THE HEART TOPIC OF MARCH 3 HAR-MAR CHALK TALK

The effect of age upon cardiovascular function will be discussed by University of Minnesota cardiologist George Haidet at 9:30 a.m. Thursday, March 3, at the Har-Mar General Cinema Theaters 1-3 in Roseville.

Haidet, director of the university's exercise laboratory and cardiac rehabilitation centers, will address ways seniors can understand age-related cardiac changes and work to maintain or regain good heart health.

The talk, part of the monthly Har-Mar Chalk Talks lecture series for seniors, is sponsored by the Roseville Area Senior Program, the Good Neighbor Foundation, Whitehouse and Roseville Good Samaritan Centers, Har-Mar merchants and the University of Minnesota Hospital and Clinic.

The talk is free, but registration is required before Feb. 25. Call 633-3997 to register.

Contact: Helen Paul, (612) 626-1983

2/17/94 ns

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ANIMALS AVOID INBREEDING ONE WAY OR ANOTHER, SAYS UNIVERSITY OF MINNESOTA BEHAVIORIST

When the time comes to seek a mate, young male lions and baboons forsake their native social group and look for a new one to join. Among chimpanzees and spider monkeys it's the females that leave. But whoever does the walking, such dispersal separates opposite-sex siblings and provides a strong check on inbreeding for a wide variety of social mammals, said University of Minnesota ecologist Anne Pusey.

Pusey will discuss mechanisms of inbreeding avoidance and evidence for it from DNA "fingerprinting" at an 8:30 a.m. session Sunday, Feb. 20, during the American Association for the Advancement of Science annual meeting in San Francisco. She will hold a press briefing at 2 p.m. Feb. 19 in the Cypress Room of the Hilton Hotel in San Francisco.

"During the 1980s we looked at all the primate dispersal data," said Pusey, who studies lion prides on the Serengeti Plain. "One sex or the other left [the group it was born into]. All young male lions leave their prides, and the females stay. Male baboons leave their troops. In chimps and spider monkeys, the females move to a new group."

In the case of lions, females form the nucleus of a pride; and since they usually stay with their birth pride, all females in a pride should be closely related. During the last several years, Pusey and her collaborators have analyzed the DNA "fingerprints" of lions and found that females in a pride do indeed show very similar patterns, indicating close kinship. But males, which roam singly or in small bands before invading a pride and siring offspring, show DNA patterns suggesting no kinship with the females.

In some species, animals seem to recognize each other and avoid mating with relatives, Pusey said. "Male baboons mate before they leave their troop, and so do female chimps. But not with

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maternal relatives. How do they recognize relatives? In experiments with rodents, individuals avoid mating with whoever they were raised with. In one or two studies with primates, they raised non-relatives together, and they didn't mate either. Odor is important in rodents. Ground squirrels seem to recognize siblings even if they're not raised together. Birds learn plumage patterns."

Mouse researchers have found that a group of genes called MHC (major histocompatibility genes), which are involved in the immune system's ability to tell "self" from "foreign" tissue, also played a role in recognition by individuals, Pusey said. "The researchers bred mice to get individuals who had the same MHC genes but were not related," she said. "They found that if females shared nests, they chose other females with the same MHC genes. But in choosing a mate, they preferred males who differed in their MHC genes."

A difficulty with working with wild animals is obtaining samples of DNA or tissue to analyze. A graduate student of Pusey's is working on a technique to extract DNA from primate dung. "It's much easier than climbing a tree and trying to get material," Pusey explained. It's a needle-and-haystack situation, though, because dung is loaded with bacterial DNA. The chances improve when one analyzes only the leading surface of the first dropping, because it will contain intestinal cells sloughed off from the animal.

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2/19/94

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FEMINISM CONFERENCE AT U OF M APRIL 22-24

The Center for Advanced Feminist Studies at the University of Minnesota will present *Thinking, Writing, Teaching, and Creating Social Justice*, a conference on the future of feminist inquiry and the relationship between feminist theory and practice, Friday through Sunday, April 22 through 24, in the West Bank Union Auditorium, 219 19th Ave. S., Minneapolis.

Among the topics and speakers are *Teaching the Other When the Other is the Self*, by Mae Henderson of the University of Illinois at Chicago English department; *Women's Rights, Bodies, and Identities*, by Francoise Lionnet of the Northwestern University French and comparative literature department; and *Learning to Think and Teach about Race and Gender Despite Graduate School: Obstacles Women of Color Graduate Students Face in Sociology*, by Mary Romero of the University of Oregon sociology department.

The conference fee is \$15 and must be paid by April 15. A Friday evening dinner costs \$10. Rooms have been reserved for conference participants at the Holiday Inn Metrodome; call the hotel directly at (612) 333-4646 by March 31 to reserve a room. For more information or registration materials contact Nancy Grubb, University of Minnesota, Professional Development and Conference Services, 22 Nolte Center, 315 Pillsbury Drive S.E., Minneapolis MN 55455-0139, (612) 625-6358.

Contact: Deane Morrison, (612) 624-2346

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U.S. CENSUS DATA SUBJECT OF U OF M CONFERENCE MARCH 7-8

What's in the national census data base and how the data can be used will be discussed at a conference March 7 and 8 at the Earle Brown Center at the University of Minnesota, St. Paul.

The first day's activities will cover how to use census and economic data, including its uses in business and journalism. Second-day activities will focus on Minnesota in addressing racial earnings and inequality, business and economic trends, housing, the economic status of children, demographic change and higher education enrollment. K-12 education and the application of census data to policy-making.

The conference fee is \$95 for both days or \$60 for one day. A special rate for conferees is available at the Sheraton Midway Hotel in St. Paul, (612) 642-1234; call the hotel directly for reservations, being sure to mention you are attending a University of Minnesota conference. The Earle Brown Center is at 1890 Buford Ave. Reservations should be made by March 1; for registration materials call Richard Grefe, (612) 625-0196, or Bev Ringsak, (612) 625-6689. The conference is sponsored by the university, the State of Minnesota and the U.S. Bureau of the Census.

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TRANSFORMING A RAPE CULTURE SUBJECT OF U OF M FORUM FEB. 24

The Center for Advanced Feminist Studies at the University of Minnesota will present *Transforming a Rape Culture*, a forum on the elimination of sexual violence, at 4 p.m. Thursday, Feb. 24, in the Cowles Auditorium of the Humphrey Institute, 310 19th Ave. S., on the Minneapolis campus.

The forum will feature Emilie Buchwald, Pamela Fletcher and Martha Roth, editors of *Transforming a Rape Culture*, published by Milkweed Editions. Other speakers include university faculty members Leola Johnson of the School of Journalism and Mary Lousie Fellows of the Law School.

The event is sponsored by 16 university and community organizations and is free to the public.

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APPLE USA PRESIDENT TO SPEAK ON COMPUTERS AND EDUCATION AT U OF M FORUM TUESDAY, FEB. 22

□ Two-day campus visit coincides with preview of PowerPC™

James Buckley, president of Apple USA, will talk about the role of information technology in 21st century higher education at 11 a.m. Tuesday, Feb. 22, in the University of Minnesota's Coffman Union Theatre. The free lecture is part of a two-day visit to campus, which will include a meeting with President Nils Hasselmo and a public preview of the new *PowerPC*™ technology at the Apple Business and Technology Forum Wednesday, Feb. 23, also in the Coffman Union Theatre. PowerPC™ is a joint venture involving Apple, IBM and Motorola.

Buckley is responsible for sales, marketing, customer service and support activities for Apple USA. He joined Apple in 1985 as director of educational sales and was named president in January. Before joining Apple, Buckley was an executive for Exxon Office Systems.

Wednesday's forum will be split into two sessions, the first from 9 a.m. to noon and the second from 1 to 4 p.m.

Contact: Bill Brady, (612) 625-8510

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U OF M LAW SCHOOL DEAN TO SPEAK ON GENDER EQUITY IN ATHLETICS DURING ROCHESTER ALUMNI FUNCTION

University of Minnesota Law School Dean Robert Stein will talk about *Gender Equity and Other Issues Facing Intercollegiate Athletics* as guest speaker at the Rochester Area Alumni and Friends of the University of Minnesota (RAAFUM) annual dinner, 6:30 p.m.

Wednesday, March 9, at the Radisson Plaza Hotel, 150 S. Broadway, Rochester. Stein is the university's faculty representative for men's intercollegiate athletics to the NCAA and Big Ten Conference.

University Regent Bryan Neel of Rochester will host a social hour from 5:30 to 6:30 p.m., followed by dinner and a program.

Tickets for the event are \$20 per person and should be ordered by March 1. Proceeds will benefit the RAAFUM scholarship fund. Tickets can be purchased at the Premier Bank Rochester or from RAAFUM board members. For more information contact RAAFUM President Diane Quinn at (507) 289-2017 or vice president Ardell Brede at (507) 284-1041 or (507) 289-4221.

Contact: Lori Winters, (612) 625-9183

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UNIVERSITY OF MINNESOTA MARCH STARWATCH

by Deane Morrison

The knot of bright winter constellations has shifted to the west, leaving the door open for Leo, the lion, to take center stage in the March evening sky. Behind Leo, kite-shaped Bootes, the herdsman, lies sideways along the eastern horizon. Among the planets, only Jupiter makes a good showing, but Venus is gaining altitude above the western horizon and will soon turn into a brilliant evening "star."

Jupiter rises about 11 p.m. on the 1st, but moves rapidly westward and ends the month rising around 9 p.m. Now in Libra, Jupiter belongs to an arc of bright objects stretching from west to east in the morning sky. To the west is white Spica, in Virgo; next comes yellowish Jupiter, the only bright spot in Libra; and easternmost is red Antares, the "rival of Mars," which forms the heart of Scorpius, the scorpion. Jupiter continues to rise earlier as the year progresses, its motion due to Earth catching up to the much larger but slower planet in the orbital race. For the record, Jupiter's diameter of 88,700 miles is nearly 11 times Earth's, and its journey around the sun takes 11.9 Earth years. Although not very dense, Jupiter still has two and a half times the mass of all other planets combined. Obviously, it deserves to be named after the king of the gods.

Venus, newly emerged from behind the sun, appears very low in the west after sunset. The viewing gets better as Venus climbs higher above the horizon, but the cloud-shrouded planet won't take on its legendary brilliance until next month.

Saturn, in Aquarius, barely makes it into the east-southeastern sky just before dawn late in March. Behind the ringed planet comes Mars, but the red planet is too close to the sun to be seen. In April Saturn will climb high enough for decent observation, and Mars will improve but still lag behind Saturn in visibility. Mercury is also in the morning sky near Saturn and Mars, but won't get

high enough to be seen from northern states before falling back toward the horizon on its way to its next appearance in the evening sky.

The moon whittles itself down to the new phase in the wee hours of the 12th. That evening, sharp-eyed observers may be able to spot the very young moon deep in the twilight below and to the right of Venus. The next night the fatter crescent is easily visible above Venus. This moon, called the worm moon by some Indian tribes for the wriggly invertebrates beginning to break the soil in spring, becomes full just after setting on the morning of the 27th.

If you have a good view of the entire sky, you might notice that the western part contains more bright stars than the eastern. That's because in March the Milky Way stretches in a nearly north-south curve in the western sky. The Milky Way represents the central plane of our galaxy, where stars are thick, and the familiar winter constellations lie very close to it. If skies are dark you can see the Milky Way bulge westward, between the bright stars Sirius and Procyon and on through the constellations Orion, Gemini and Auriga.

To the east, the sparser spring constellations are entering the sky. Leading the way is Leo, marked by the bright star Regulus at the base of the star grouping called the Sickle. Behind Leo, near the eastern horizon, Arcturus anchors the kite-shaped Bootes as it prepares to rotate into prominence. A more challenging constellation is dim, winding Hydra, the sea serpent, whose head is a faint circlet of stars between Procyon and Regulus. Hydra's brightest star is Alphard, below the circlet and closer to Regulus than to Procyon.

Spring arrives with the equinox at 2:28 p.m. CST on the 20th. At that moment the sun will pass directly over the Equator into the northern sky. Also, at that time the sun is moving most rapidly north, and so the lengthening of days becomes most noticeable.

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

Contact: Deane Morrison, (612) 624-2346

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Media note: Weaver is available for interviews Feb. 24 and 25 (Thurs. and Fri.) at (612) 624-1900. Scholarship beneficiaries are also available for interviews; contact Mary Stanik at (612) 624-4604 for information.

U OF M COLLEGE OF PHARMACY RECEIVES \$13.5 MILLION GIFT, LARGEST IN U'S HISTORY

The largest bequest ever made to the University of Minnesota will go to the university's College of Pharmacy in the form of a \$13.5 million gift from the estate of a long-time college supporter.

Mildred Peters and her husband, Bill, a 1910 pharmacy graduate, were owners of Lowry Hill Drug Store in Minneapolis from 1915 to 1948. Bill died in 1979, and Mildred last December. In addition to this bequest, they have given the college approximately \$2 million for faculty support, research and scholarships, including a \$1 million gift in 1980 to establish the college's first endowed chair.

In 1962, the Peters, who had no children and wished to "help students who couldn't afford to go to school," established a scholarship fund at the college that provided more than \$300,000 in assistance to more than 100 students.

The University of Minnesota College of Pharmacy, founded in 1892, is the state's only pharmacy school. Nearly two-thirds of all the state's pharmacists are graduates of the college. It is consistently ranked among the nation's top five pharmacy schools and is known as a pioneer in the development of pharmaceutical care and for its programs in medicinal chemistry, pharmaceuticals, social and administrative pharmacy and hospital pharmacy.

"I am delighted that we have received this major gift for the College of Pharmacy," said Nils Hasselmo, president of the University of Minnesota. "This is recognition for the outstanding teaching, research, and outreach efforts that the college has provided and also is a testament to the fine efforts of Dean Lawrence Weaver and other pharmacy faculty members over many years."

"We are extremely grateful to receive such an extraordinary gift from such a good friend of the college as Mildred Peters," said Weaver, acting dean of the College of Pharmacy since last month and dean of the college between 1966 and 1984. "We have many plans for the gift, including the establishment of a permanent student scholarship fund and the enhancement of four faculty chair endowments. In addition, we hope to use some of the gift to develop new drugs for diseases such as AIDS and cancer. The foresight of Mildred Peters will help ensure the continuing quality of teaching and research at the College of Pharmacy, as well as help students far into the future."

- OVER -

Some recipients of the scholarship fund include Frederick N. Chomilo, a therapeutics outcome manager for United Health Corp.; Christine Lesch, a current student who is an intern at the Minnesota Poison Center and St. Paul-Ramsey Medical Center; William H. Boyes, pharmacist and owner of Boyes Clinic Pharmacy in Faribault; Susan Steffl Iwen, who works at Home Medical Support Services in Richfield; Quang V. Ta, of 3M Pharmaceuticals; and Alan K. Copa, a researcher with the Practice Institute in Fargo, N.D.

The receipt of the Peters bequest will be announced by Hasselmo and Weaver at a reception for the college's faculty, students, staff and alumni today (Thursday) at 3 p.m.

Contact: Mary Stanik, (612) 624-4604

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Embargoed till 10 p.m. CST Sunday, Feb. 27

**Scherrer is at (612) 625-0140 through Saturday.
Kittelson is at (612) 625-1808 through Friday.
Both will be at (519) 258-7774 Sunday and Monday.**

TWIN CITIES VEHICLE INSPECTIONS DO LITTLE TO REDUCE POLLUTION, U OF M STUDY FINDS

University of Minnesota researchers say the Twin Cities vehicle inspection program aimed at reducing pollution in the metropolitan area is falling far short of expectations. By studying the results of emissions testing at three congested Twin Cities locations, mechanical engineering professor David Kittelson and doctoral candidate Huel Scherrer found that carbon monoxide levels decreased at the same rate for the first two years after inspections began as they did for the five years before the inspections. A predicted 25 to 30 percent improvement in those levels has failed to materialize.

Scherrer and Kittelson will present their findings to the annual meeting of the international Society of Automotive Engineers at 9:30 a.m. CST Monday, Feb. 28, at Cobo Center in Detroit.

Using data collected by the Minnesota Pollution Control Agency, Kittelson and Scherrer analyzed emission levels at three locations: Portland Avenue near the Interstate 35 and 94 commons in Minneapolis and near the University-Lexington and the University-Snelling intersections in St. Paul. The data shows a steady decrease in carbon monoxide levels since 1987, with no measurable change in that pattern after annual vehicle inspections began in July of 1991. "New car technology gets most of the credit for emission reductions," said Scherrer. "The testing program is not having much impact at all, except on the pocketbooks of Twin Cities drivers."

Financed through an \$8 fee paid by drivers at vehicle registration time, the program requires all car owners within a 30-mile radius of the Twin Cities to have their cars tested annually for

(More)

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carbon monoxide and hydrocarbons at special vehicle inspection stations. Drivers whose cars fail the test are responsible for any repairs necessary to bring emissions down to acceptable levels. During the first year of testing, from July 1991 through June 1992, 9.4 percent of the vehicles failed inspection on their initial visit. Nationally, 38 states and the District of Columbia require some form of vehicle inspection, affecting about 33 million vehicles.

The state of Minnesota instituted the program after U.S. Environmental Protection Agency (EPA) officials had threatened to cut federal transportation funds unless the metro area met national ambient air quality standards. Proponents of vehicle testing had predicted it would lead to a 25 to 30 percent reduction in carbon monoxide levels. But Kittelson and Scherrer conclude from their analysis that only 1.3 percent of the air improvement can be credited to the vehicle inspection system, with a margin for error of plus-or-minus 1.4 percent.

“These findings show why public policy should be based on real measurements of what works and what doesn’t, rather than on computer projections and speculation,” said Scherrer.

Contacts: Bill Brady , (612) 625-8510

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U OF M TO OFFER FREE ALLERGY SEMINAR MARCH 19

The University of Minnesota is sponsoring an allergy and asthma program for the public from 8:30 a.m. to 12:30 p.m. Saturday, March 19.

The program, which will cover topics such as asthma self-management, the dangers of second-hand smoke and how to deal with hives, will be held on the Minneapolis campus in 2-650 Malcolm Moos Tower, 515 Delaware St. S.E. Parking is available at a reduced rate in the University Hospital ramp, located at the corner of Harvard and Delaware streets (about one-half block from Moos Tower).

There is no charge for the program, but reservations must be made by calling (612) 626-1983, between 8 a.m. and 4:30 p.m. Monday through Friday, before March 14. Continuing education credit for nurses will be available at a cost of \$4.50.

Contact: Mary Stanik, (612) 624-4604 (media inquiries only)

2/25/94

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March 1, 1994

Contact: Suzanne Baizerman, (612) 624-3292

PUBLIC SERVICE ANNOUNCEMENT

(30 SECONDS) THE GOOD, THE BAD AND THE UGLY OF 20TH-CENTURY FASHION ARE ON DISPLAY AT THE UNIVERSITY OF MINNESOTA'S GOLDSTEIN GALLERY. THE EXHIBIT RUNS NOW THROUGH JUNE 5, FEATURING EVERYTHING FROM THE RACCOON COATS OF THE ROARING '20S TO THE POLYESTER LEISURE SUITS OF THE '70S TO THE GRUNGE LOOK OF TODAY. THE GOLDSTEIN GALLERY IS LOCATED IN MCNEAL HALL ON THE UNIVERSITY'S ST. PAUL CAMPUS. JUST GO TO THE SECOND FLOOR AND LOOK FOR THE 10-FOOT-TALL ZIPPER. THE GALLERY IS OPEN WEEKDAYS TEN A.M. TO 4 P.M., THURSDAYS TILL 8, AND WEEKENDS FROM 1:30 TO 4:30 P.M. ADMISSION IS FREE.

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PHOTO OP: GREAT MOMENTS IN 20TH CENTURY FASHION AT U OF M

- Youth culture and the 'grunge' look
- Hot pants, polyester leisure suits and seersucker dresses
- A 10-foot-tall zipper

The good, the bad and the ugly of 20th century fashion are on display beginning this Sunday, March 6 at the Goldstein Gallery on the University of Minnesota's St. Paul campus.

The exhibit, *After a Fashion: 20th Century Milestones*, is a colorful look at haute couture, and the rise of the working woman, the vintage clothing store and the mail-order catalog. A 10-foot-tall zipper symbolizing the role technological innovation has played in 20th century fashion forms the gateway to the exhibit.

Black-and-white photos and color transparencies are available on request. Media previews are available. For information, call Suzanne Baizerman at (612) 624-3292 or Masami Suga at (612) 624-7434.

Contact: Nina Shepherd, (612) 624-0214

3/2/94

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CRUCIAL FIRST STEPS IN CRYSTAL GROWTH REVEALED BY U OF MINNESOTA RESEARCHERS

With crystals playing a central role in technologies from pharmaceuticals to computer chips, understanding and controlling the crucial early stages in crystal growth has become a sought-after research goal. Using atomic force microscopy (AFM), University of Minnesota researchers have become the first to watch an organic crystal grow from nanometer-sized nuclei to mature crystals, a process that reveals how topographical features of a crystal nucleus affect growth rate and shape of the resulting bulk crystals. Published in the March 4 issue of *Science*, the work by graduate student Andrew Hillier and associate professor Michael Ward of the chemical engineering and materials science department represents an early stage in efforts to control the crystallization of organic and inorganic substances. This advance holds implications for the manufacture of silicon-based computer chips, inorganic crystals used in optoelectronics and pharmaceuticals.

Ward and Hillier used AFM to study an organic salt containing sulfur and bromine. AFM works something like a record player; an ultrasmall tip moves over the surface under study, and the profile of the surface is measured by the movement of the tip with respect to the surface, yielding a three-dimensional map of the surface structure. The earliest crystals seen by Ward and Hillier formed within 20 seconds, and crystallization continued indefinitely. Because the salt they studied is a conductor, they were able to control the rate of crystallization by applying an electric current to the material.

"If you want to know when defects form, how growth is controlled and how impurities affect the shape and properties of the crystals, you must look at the early stages of crystal growth," said Ward. "We've observed very unusual flat triangular nuclei as small as 20 nanometers long and 10 nanometers high." When such nuclei condense and begin to grow on the surface of a crystal, the crystal's molecular-scale topography governs the shape of the growing nuclei. Even more intriguing, these small triangular nuclei aggregate into larger ones that assume fractal shapes; that is, the larger triangles contain empty space as a consequence of the preferred orientation of the smaller ones, he said.

Contact: Deane Morrison, (612) 624-2346

3/3/94

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**Media note: Foxworth is available at (218) 726-6187.
This weekend he'll be at (612) 871-9261.**

GOVERNOR TO JOIN SEND-OFF AS UMD ADMINISTRATOR LAUNCHES ST. PAUL-TO-DULUTH RUN

- Ken Foxworth planning a marathon a day for six days
- Run will raise money for UMD minority and disabled student scholarships
- Official send-off is 10 a.m. Monday, March 7, at Capitol

Ken Foxworth, African-American student services coordinator at the University of Minnesota, Duluth (UMD), launches an eight-day St. Paul-to-Duluth run with a send-off ceremony at 10 a.m. Monday, March 7, in the Great Hall of the Capitol in St. Paul.

Gov. Arne Carlson will lead the list of well-wishers speaking at the send-off ceremony. Others include University of Minnesota President Nils Hasselmo, UMD Chancellor Lawrence Ianni, university Regent Bill Peterson and Duluth Mayor Gary Doty. Foxworth will be joined by the UMD Bulldog mascot and Goldy Gopher for the first 100 feet of the run.

The purpose of the 154-mile *Run for Excellence* is to raise money for minority and disabled student scholarships. Foxworth has already received more than \$20,000 in cash and pledges, enough to endow two annual scholarships of \$500 each.

Foxworth, a former University of Minnesota football player, plans to run 26 miles a day for six straight days, followed by one day of rest before crossing the finish line at Duluth City Hall Monday, March 14. He purposely chose early March, a time of uncertain weather, for the run to symbolize the challenges faced by minority students when they consider going to college. "Anyone can run in 80-degree weather," he said. "I want to show these students that if I can run in the snow or the rain or the cold, then they can do whatever they want to do."

The university has improved its recruitment of minority students in recent years, but there is still a retention problem, which is why the scholarships will be designated for sophomores, juniors and seniors.

**Contacts: Bill Brady, News Service, (612) 625-8510
Teri Johnson, UMD, (218) 726-6285**

3/3/94

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U OF M REGENTS TO DECIDE FUTURE OF MALG PROGRAM THURSDAY

- No bidders have stepped forward to date
- Options are to continue university funding or shut down facility
- Monthly meetings Thursday and Friday, March 10 and 11

The University of Minnesota will seek a final decision on the future of the Minnesota Anti-Lymphocyte Globulin (MALG) program at the Board of Regents monthly meetings Thursday and Friday, March 10 and 11.

Anti-Lymphocyte Globulin (ALG), an anti-rejection drug used in organ transplantation, was manufactured and distributed by the university for more than 20 years. The Food and Drug Administration (FDA) initially designated ALG as an Investigational New Drug but never approved it for general sale. The FDA imposed a clinical hold on the drug's distribution in August 1992. Since then, the university has been seeking to sell the program while also taking steps to bring ALG closer to FDA approval.

Last month, negotiations between the university and a major drug company fell through. No other firms have submitted formal bids. Robert Erickson, senior vice president for finance who oversees the MALG program, says the regents must now decide between continued funding at \$250,000 to \$300,000 per month or closing down the program. Since February 1993, the university has spent about \$5 million to keep the program viable and the drug moving toward FDA approval. The issue goes before the regents' financial operations and legislative committee at 9 a.m. Thursday, March 10.

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

Thursday, March 10

- 9 a.m. Financial operations and legislative, 238 Morrill. Action on ALG.
- 10:30 a.m. Educational planning and policy, 300 Morrill. Review conflict of interest policy.
- 1:45 p.m. Facilities, 238 Morrill. Discussions of surplus real estate, funding for more climate-controlled tunnels and skyways.
- 1:45 p.m. Faculty, staff and student affairs, 300 Morrill. Regular report on sexual harassment complaint activity.
- 3 p.m. Board of Regents, 238 Morrill. Non-public meeting to discuss University Hospital marketing activity and attorney-client privileged matters.

Friday, March 11

- 8:30 a.m. Committee of the whole, 238 Morrill. *University 2000* strategic financial plan, report on faculty salary trends and market comparisons, report on financial aid resources and needs.
- After committee of the whole: Board of Regents, 238 Morrill.

Contact: **Bill Brady, (612) 625-8510**

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Media note: Luke Cole and Hazel Johnson will be available for interviews immediately preceding and following their talks.

ENVIRONMENTAL JUSTICE CONFERENCE AT U OF M MARCH 16, 17

The University of Minnesota Law School will sponsor a conference on *Racism and Injustice in Environmental Issues* Wednesday and Thursday, March 16 and 17.

Luke Cole, who pioneered the field of environmental poverty law, will speak on "Working and Lawyering for Environmental Justice" at 12:15 p.m. March 17 in room 25 of the Law School. Cole, an adjunct law professor at the University of California at Berkeley and an attorney with the California Rural-Legal Assistance Foundation, established the Environmental Poverty Working Group, a national network of lawyers who represent the poor in environmental litigation. In 1992, he was named one of "20 young lawyers making a difference" by the American Bar Association's *Barrister* magazine.

Hazel Johnson, founder and CEO of People for Community Recovery in Chicago, will speak on grass roots organizing at 12:15 p.m. March 16 in room 25 of the Law School. Other speakers will talk about environmental issues facing Minnesota.

Student and other environmental groups will staff information tables dealing with issues of environmental racism and its effects on specific minority groups. Participating groups from the Law School include the American Indian Law Student Association, the Black Law Student Association, the Environmental Law Society, La Raza Legal Alliance, the Multi-Cultural Law Student Association, the Human Rights Center, the Women's Law Student Association and the Asian American Law Student Association.

Contact: Kristi Rudelius-Palmer, (612) 626-7794

3/11/94 dm

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Media note: For black and white photos of the three Siehl Prize winners, please call Nina Wegryn, (612) 625-6294.

SIEHL PRIZE WINNERS TO RECEIVE AWARDS IN MARCH 17 CEREMONY

The three winners of the inaugural University of Minnesota Siehl Prize for Excellence in Agriculture will receive their awards in a Salute to Agriculture ceremony at 11:30 a.m. Thursday, March 17, in the second floor Humphrey Room of the Radisson Metrodome Hotel, 615 Washington Ave. S.E., Minneapolis.

Agribusiness executive Aldrich Bloomquist, farmer Bert Enestvedt and professor William Larson will each be presented with a granite and glass sculpture created by internationally known sculptor Thomas Rose, a member of the university faculty. According to Rose, the sculpture represents the natural resources basic to agriculture: earth, water and light.

Nobel Peace Prize winner Norman Borlaug, former Minnesota Governor Elmer Andersen and university President Nils Hasselmo will participate in the ceremony.

The Siehl Prize, established by the university's Institute of Agriculture, Forestry and Home Economics, will be awarded every two years. It fulfills the wishes of Eldon Siehl, a Minnesota businessman and philanthropist who willed a portion of his estate to the University of Minnesota Foundation to establish a prize for excellence in agriculture. Individuals are chosen from three categories: production agriculture, agribusiness and agriculture-related academics. The awards are intended to represent the interdependence of the farm, agribusiness and academic research in putting food on our tables.

Bloomquist, a consultant for American Crystal Sugar from Moorhead, Minn., helped form America's first sugar beet cooperative, which virtually saved the sugar beet industry in the Red River Valley. Enestvedt, from Sacred Heart, Minn., specializes in certified seed production and farms the same land homesteaded by his grandfather in 1867. Larson, a University of Minnesota soil science professor from Shoreview, Minn., is internationally known for his contributions to soil science and farm management, including the reduction of soil erosion through conservation tillage techniques.

Contact: Bill Brady, (612) 625-8510

3/14/94

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U OF M, WABASHA COUNTY FORM RURAL DEVELOPMENT PARTNERSHIP

The University of Minnesota Rural Development Council (RDC) and the Wabasha County Community Development Corp. (WCCDC) have started a three-year partnership to focus on strategic planning, agricultural development and tourism.

The goal of the partnership is to link university and local community resources to make the best use of development opportunities in Wabasha County, said G. Edward Schuh, RDC chair. The partnership will use a holistic development approach, focusing on a broad community development strategy rather than just an economic one, said Schuh, who is dean of the university's Humphrey Institute.

The partnership program is expected to generate a wide spectrum of projects that will have a positive and sustainable impact upon residents and communities throughout Wabasha County. The WCCDC was formed recently to pool resources on a countywide basis to enhance development within the county.

"The key to our county's success in development will be the partnerships created between the public and private sectors," said Donald Koverman, Plainview city administrator. "This three-year partnership illustrates the University of Minnesota's commitment to rural communities."

A partnership task force of RDC and WCCDC members will direct and coordinate the three-year effort. Task force members are Koverman; Randy Cantrell, program director for outreach at the Minnesota Extension Service who is based at the Humphrey Institute; Lee Munnich, a Humphrey Institute senior fellow and director of the institute's State and Local Policy Program; Erhard Bieber, coordinator of the university's Office of Research and Technology Transfer Administration; Dean Harrington, president of First National Bank of Plainview; Tom Crowley, administrator of St. Elizabeth Hospital in Wabasha; and Gene Mahn, Wabasha County administrator. Ex-officio task force members are Roger Steinberg of the Minnesota Extension Service's Southeast District; and Tom Smith of the Wabasha County Extension Service.

The partnership is also expected to provide experience that can be used to start future arrangements with other rural areas and the university. "The Rural Development Council was started to provide

stronger leadership in rural development by linking university resources with rural development initiatives around the state,” said University of Minnesota President Nils Hasselmo. “The Wabasha County partnership is an excellent way for the university to get in touch with people who are working in communities and to tap their knowledge and experience to strengthen our teaching, research and outreach program.”

Contact: Gwen Ruff, (612) 625-1326

3/14/94

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MORE THAN 80 MINNESOTA COMPANIES AND ORGANIZATIONS TO SPORT GOPHER COLORS ON "MAROON AND GOLD DAYS"

- Promotion supports men's, women's basketball teams
- Employees to wear maroon and gold on NCAA game days
- U of M Alumni Association is sponsoring

Employees from more than 80 Minnesota companies and organizations will be decked out in maroon and gold on Wednesday, March 16, and Friday, March 18, to show their support for the University of Minnesota men's and women's basketball teams.

In declaring "Maroon and Gold Days," university President Nils Hasselmo asked faculty, staff and students to wear the school colors on the days the teams play in National Collegiate Athletic Association (NCAA) playoff games. He invited employers across Minnesota to do the same and to notify the University of Minnesota Alumni Association (UMAA) of their plans.

The Gopher women play their first-ever NCAA playoff game at 7:30 p.m. Wednesday, March 16, against Notre Dame in South Bend, Ind. The men open against Southern Illinois at 9:30 p.m. Friday, March 18, in Sacramento, Calif. If the teams win, "Maroon and Gold Days" will continue on game days for as long as the teams stay alive in their tournaments.

The participating companies and organizations include the Coon Rapids Target, Flatley Employment Services, JC Penney's at Southdale, Paradise Freight, Mackay Envelope, Minneapolis Roosevelt High School, Mayor Sharon Sayles Belton's office and the City of Minneapolis, Mayor Norm Coleman's office and the City of St. Paul, Northfield Area Chamber of Commerce, Royalton Schools, Snyder's Drugs corporate headquarters and St. Olaf's Residence in Minneapolis.

A complete list of the participants in Maroon and Gold Days will be sent to both teams on their game days.

Besides the vicarious support at home, vocal contingents of Gopher fans will accompany the teams to the game sites. Fans of the women's team gather for a pre-game pep rally at **4:30 p.m. Wednesday at the Morris Inn on the Notre Dame campus**. The pep rally for the men's team is scheduled for **3:30 p.m. Friday in Gators at America Live in downtown Sacramento**.

Contact: Bill Brady, (612) 625-8510

3/15/94

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U OF M LAW SCHOOL AWARDED GRANT FOR JUDICIAL TRIAL SKILLS AND ETHICS TRAINING PROGRAM

The University of Minnesota Law School has been awarded \$125,000 from the W. M. Keck Foundation of Los Angeles to expand the judicial ethics component of the Law School's Judicial Trial Skills Training Program, and to implement judicial skills and ethics training programs throughout the United States, using the Minnesota program as a model.

The Judicial Trial Skills Training Program at the University of Minnesota Law School teaches trial management skills and judicial ethics to judges. This program is the first simulation-based judicial trial skills training program to be implemented in this country. The realistic simulation-based training program is mandatory for all new Minnesota judges. Its goal is to help trial judges develop a broad range of trial management skills and a sensitivity to ethical issues in order to conduct fair and efficient trials.

University of Minnesota law professors will train judges and judicial educators from across the country in Minnesota during the next two years. The participants will then implement judicial trial skills and ethics training outreach programs in their particular states with the assistance of Minnesota law professors.

"Judges are the most powerful and central figures in the legal system," said University of Minnesota law professor Steve Simon, who developed the Minnesota Judicial Trial Skills Training Program. "How judges perform and behave determines to a great extent the public's perception of the fairness and quality of justice in our legal system. The Keck Foundation support will enable us to contribute to increased equality in the U.S. legal system as a whole."

The W. M. Keck Foundation, established in 1954, is one of the nation's largest charitable organizations. Its primary interests are education, science, engineering and medical research. In the last decade alone, the W. M. Keck Foundation has distributed over \$210 million in grants in addition to funding its major initiative, the construction of the W. M. Keck Telescopes and Observatory on the island of Hawaii.

Contact: Kristi Rudelius-Palmer, (612) 626-7794

3/16/94 dm

UNIVERSITY OF MINNESOTA

University News Service

University of Minnesota • 6 Morrill Hall • 100 Church Street S.E. • Minneapolis, Minnesota 55455 • (612) 624-5551

HEAF BOARD DELIVERS \$300 MILLION TO SECRETARY OF EDUCATION

The Higher Education Assistance Foundation (HEAF)—once the nation's largest guarantor of student loans—will deliver \$300 million to the U.S. Department of Education today (Thursday, March 17) as a result of its successful wind down and liquidation, according to the foundation's board of directors.

Before its insolvency in June 1990, HEAF had guaranteed more than 6 million loans with a value in excess of \$15 billion, and was providing services to more than 2,100 banks and 7,000 schools nationwide. At the time of its insolvency, HEAF had guarantees outstanding to holders of \$9.3 billion in student loans.

Upon determining that HEAF was incapable of continued operations, the U.S. Department of Education entered into a three-year agreement with the Student Loan Marketing Association (Sallie Mae) to manage an orderly wind down and ultimate liquidation of HEAF. As part of that agreement, a new board of directors assumed control of HEAF and developed a wind-down plan designed to meet the following major objectives by Dec. 31, 1993:

- Orderly termination of HEAF's guarantor services to more than 2,100 banks and 7,000 schools;
- Full reconciliation of all loan records and phased transfer of outstanding guarantee obligations to other guarantors;
- Continued default-aversion and other services to holders of HEAF guarantees pending transfer of such guarantees; and
- Enhancement of HEAF's loan collection efforts to generate sufficient revenues to finance the wind down and return at least \$150 million in net assets to the Department of Education at its conclusion.

“All of the objectives established for the wind down were fully achieved by December 31, 1993,” said Robert Stein, chair of HEAF’s board of directors, who is also dean of the University of Minnesota Law School. “Moreover, the directors are particularly pleased to report that on a cash basis, HEAF will return \$300 million to the U.S. Treasury and that an additional \$34.7 million has been temporarily reserved with a trustee to provide for possible contingent liabilities. To a great extent this result was achieved through adoption of innovative collection techniques which allowed recovery of more than \$475 million from defaulted borrowers during the three years of the wind down.

“At the time the wind down began, it was generally believed that an ending balance of \$150 million was a realistic, but aggressive, goal. My colleagues and I believe that achieving a final balance of \$334.7 million while meeting all of the other objectives of the wind down represents a virtually unique example of successful public/private cooperation.”

On an overall basis—when appropriate value is assigned to the value of loans turned over to the U.S. Department of Education at the end of the process and the value of various interim financial concessions provided HEAF by the department are taken into consideration—it is estimated that the taxpayers will realize a net financial gain of at least \$71.3 million from the liquidation of HEAF, Stein said.

A detailed final report of the wind down of HEAF is available upon request.

Contacts: Kristi Rudelius-Palmer, University Law School, (612) 626-7794

Gisela Vallandigham, director, corporate communication
Student Loan Marketing Association, (202) 298-3012

3/17/94 dm

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MORE THAN 300 MINNESOTA COMPANIES AND ORGANIZATIONS TO SPORT GOPHER COLORS ON MAROON AND GOLD DAYS

- Promotion supports men's, women's basketball teams
- Employees to wear maroon and gold on NCAA game days

Employees of more than 300 Minnesota companies and organizations will be decked out in maroon and gold on Friday, March 18, to show their support for the University of Minnesota men's and women's basketball teams.

In declaring *Maroon and Gold Days*, university President Nils Hasselmo asked faculty, staff and students to wear the school colors on the days the teams play in National Collegiate Athletic Association (NCAA) playoff games. He invited employers across Minnesota to do the same and to notify the University of Minnesota Alumni Association of their plans.

Gopher women won their first-ever NCAA playoff game 81-75 Wednesday, March 16, against the University of Notre Dame in South Bend, Ind. Gopher men open against Southern Illinois University at 9:30 p.m. Friday, March 18, in Sacramento, Calif. *Maroon and Gold Days* will continue on game days for as long as the teams continue to win.

Participating companies and organizations include elementary, middle and high schools, the city offices of Minneapolis and St. Paul, realty and insurance agencies, banks, churches, retail stores, hospitals, construction companies and other Minnesota businesses.

A complete list of participants in *Maroon and Gold Days* will be sent to both teams on their game days.

Besides the vicarious support at home, vocal contingents of Gopher fans will also accompany the teams to the game sites. A pep rally for the men's team is scheduled for 3:30 p.m. this Friday at Gators in downtown Sacramento.

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3/17/94

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PATIENTS NEEDED FOR U OF M SMOKELESS TOBACCO STUDY

People between the ages of 18 and 65 who use smokeless tobacco and would like to quit are needed for a University of Minnesota study.

The study's researchers will be comparing the effectiveness of nicotine patches with a non-tobacco substitute in helping people quit using smokeless tobacco. Study subjects are required to attend 14 clinic sessions over 12 weeks and will be paid for their participation.

For more information, call (612) 627-4904.

Contact: Mary Stanik, (612) 624-4604 (media inquiries only)

3/18/94 ns

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U OF M LAW STUDENTS OFFER PRACTICAL TIPS FOR PUBLIC

The People's Law Project, a student organization of the University of Minnesota Law School, will hold informal seminars during April to inform the public of their rights and responsibilities in three legal areas. Seminar leaders will take questions, and admission is free.

The legal areas and associated seminars are:

Landlord/tenant relations. Noon Tuesday, April 5, Coffman Union, Minneapolis campus.

Information on tenant rights, landlord obligations and how housing court can be used to redress wrongs.

Employment law. 7 p.m. Wednesday, April 13, Minneapolis American Indian-Center, 1530 E. Franklin Ave. Discussion of what workers can expect in the areas of hiring, job conditions and discharge; issues pertinent to temporary and part-time workers; and available remedies.

Credit debt. 4 p.m. Tuesday, April 19, Coffman Union. Information on three types of debt: credit card, student loans and purchase money security interests. Also the rights of creditor and debtor, the Fair Debt Collection Act and the dangers of bankruptcy.

To suggest a topic for future seminars contact Amy Hermanek, (612) 339-7699.

Contact: Kristi Rudelius-Palmer, (612) 626-7794

3/21/94 dm

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UNIVERSITY OF MINNESOTA APRIL STARWATCH

by Deane Morrison

The moon and Venus do a nice evening flyby in April, but the nights belong to Jupiter. This month Venus and Jupiter begin to approach each other from opposite ends of the sky, the bright winter constellations falling away from Venus to the west and the spring constellation Virgo leading Jupiter in the east.

Venus comes out shortly after sunset low in the west-northwest, below the Pleiades star cluster. The beautiful planet climbs higher as it moves farther out from behind the sun and ends the month setting more than two hours after sundown. On the 12th, the young crescent moon joins Venus in the twilight, making a stunning sight.

Jupiter rises about two and a half hours after sunset on the 1st and appears earlier as April goes by. On the 29th, the big yellow planet reaches opposition—a position directly opposite the sun—and is visible all night. Look for Jupiter east of the bright white star Spica.

In July, Comet Shoemaker-Levy 9 will crash into the dark side of Jupiter. The giant planet's gravity has already torn the comet into more than 20 pieces, which are now strung out over 600,000 kilometers of space as they hurtle toward their fate. University of Minnesota astronomers Edward Ney, Robert Gehrz and Terry Jones will study the impact by observing signals in the infrared part of the spectrum. They'll use the university's 30-inch telescope in Marine on St. Croix and its 60-inch telescope on Mount Lemmon, Ariz.

Other planets aren't much to look at this month. Saturn rises about an hour before dawn on the 1st and climbs a little higher by the 30th; Mars barely makes it over the horizon in the morning. Mercury circles behind the sun in April, and will be out of sight.

The moon wanes its way through the morning sky during the first third of April, becoming new on the 10th. Two days later it keeps its breathtaking rendezvous with Venus, then heads off toward

the Pleiades and Hyades clusters of Taurus. Full moon arrives on the 25th. This moon, known to some Indian tribes as the pink moon for the color of the ground phlox that grows this time of year, will be close to Jupiter on the 26th.

Leo, the lion, reaches its highest point in the sky this month. The lion's head is marked by the backward question mark of stars called the Sickle. Facing north, the Big Dipper "spills its water" toward the Little Dipper during the evening hours. Extending the arc of the Big Dipper's handle takes you to Arcturus, the brightest star in Bootes, the herdsman. Extending the arc further, find Spica, in Virgo. Except for Spica, Virgo isn't very bright, but it does contain one of the richest clusters of galaxies known.

The Lyrid meteor shower will peak during the predawn hours on the 22nd. The dust particles that burn up to produce the Lyrids were left behind by a comet that passed through the solar system in 1861. The meteors will radiate from the south, but don't expect great fireworks; only about 10 to 15 meteors per hour are expected.

Daylight saving time starts at 2 a.m. on the 3rd; clocks should be set ahead one hour.

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

Contact: Deane Morrison, (612) 624-2346

3/23/94

UNIVERSITY OF MINNESOTA

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CORNERSTONE FOR U OF M CANCER CENTER-MASONIC CANCER TO BE DEDICATED MARCH 26

More than 300 Masons in formal dress, including plumed hats and jeweled vests, will follow bagpipers, flagbearers and the Shrine Marching Band to the future site of the University of Minnesota Cancer Center-Masonic Cancer Research Building for the dedication of the building's cornerstone Saturday, March 26.

The procession will begin at 1:30 p.m. from the Radisson Metrodome Hotel, 615 Washington Ave. S.E., Minneapolis, and will move down Harvard St. S.E., to the dedication site at 425 E. River Road, adjacent to the Dwan-Variety Club Cardiovascular Research Center.

A traditional Masonic dedication ceremony with corn, oil and wine (symbolizing nourishment, joy and refreshment) will begin at 2 p.m. Following the dedication, the Masons will return to the Radisson for a formal ceremony beginning at 2:30 p.m.

Stanley Sahlstrom, a Mason and a member of the university's Board of Regents, and Dr. John Kersey, acting director of the University of Minnesota Cancer Center, will represent the university at the formal ceremony.

The Masons of Minnesota have contributed almost \$17 million to the university for cancer research since 1956.

Contact: Mary Stanik, (612) 624-4604

3/23/94 ns

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BRAUN NEW ASSOCIATE DEAN FOR OUTREACH AT U OF M

Bonnie Braun, associate director with Virginia Cooperative Extension at Virginia Polytechnic Institute and State University, has been named associate dean for outreach at the University of Minnesota's College of Human Ecology. Braun will lead the college's Minnesota Extension Service programming and Continuing Education and Extension programs, among other duties. She will assume the post May 1.

In addition to her current post, Braun was an associate dean in the College of Human Resources at Virginia Polytechnic, an interim deputy administrator with the U.S. Department of Agriculture Extension Service and an extension specialist at Oklahoma State University. In 1979 she received a doctorate in home economics education, with an emphasis in family economics and management, from the University of Missouri.

Contact: Deane Morrison, (612) 624-2346

3/24/94

UNIVERSITY OF MINNESOTA

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U OF M RAPTOR CENTER PROGRAM APRIL 9

Live bald eagle on site

The Maple River Area Alumni and Friends Chapter of the University of Minnesota Alumni Association and the Maple River High School Ecology Club will sponsor an afternoon with the staff and birds of the university's Gabbert Raptor Center beginning at 3 p.m. Saturday, April 9.

The program, which will cover such topics as the effects of raptors on the environment and suggestions on how to protect them, will be held at the Maple River High School auditorium. The cost is \$3 per person and refreshments will be served.

Established in 1972, the Gabbert Raptor Center has cared for more than 6,700 sick and injured birds of prey. The center also conducts raptor research, works for raptor conservation, and presents community education programs to raise awareness.

Following the program there will be an informational meeting for those interested in joining the Maple River Area Alumni and Friends Chapter.

Contacts: Sue Kirchoff, Raptor Center, (612) 624-4745

Rachel Pocras, Alumni Association, (612) 626-2592

3/24/94 mn

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U OF M RELIGION AND SEXUAL HEALTH CONFERENCE IN MINNEAPOLIS APRIL 12-14

Religion and sexual health issues in the context of history and current scientific perspectives will be among the issues discussed at *Religion and Sexual Health: Norms, Boundaries, and Justice in Church and Synagogue* April 12 through 14 at the Radisson Hotel Metrodome, Minneapolis.

The conference, sponsored by the University of Minnesota's Program in Human Sexuality and the Center for Sexuality and Religion, in Audubon, Penn., will feature speakers June Reinisch, director emeritus of the Kinsey Institute; John Boswell, Yale University historian; Harold Lief, professor emeritus of psychiatry at the University of Pennsylvania; and James Nelson, professor of Christian ethics at the United Theological Seminary of the Twin Cities.

Reporters and photographers are welcome to cover the discussion sections, but credentials will be required. They can be obtained at the registration table.

Contact: Mary Stanik, (612) 624-4604 (media inquiries only)

3/29/94 ns

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EVALUATION OF PROGRAMS SERVING CHILDREN AND FAMILIES CONFERENCE APRIL 13, 14

The Children, Youth, and Family Consortium at the University of Minnesota and the Minnesota Chapter of the American Evaluation Association will sponsor a conference on *Building Effective Child and Family Programs: Research and Evaluation Perspectives* Wednesday and Thursday, April 13 and 14, at the Thunderbird Hotel and Convention Center in Bloomington.

Michael Patton, author of *Utilization Focused Evaluation*, will speak on *The Future of Evaluation in Programs Serving Children and Families* at 10 a.m. April 13. Patton is a professor at the Union Institute Graduate School and served as president of the American Evaluation Association.

Karen Pittman, director of the Center for Youth Development and Policy Research at the Academy of Educational Development in Washington, D.C., will speak on *Promoting the Positive: A Framework for Defining and Marketing Positive Youth Outcomes* at 8:30 a.m. April 14. Pittman previously served as director of the adolescent pregnancy prevention policy division of the Children's Defense Fund.

The conference offers multiple sessions with skills workshops, panel and paper presentations and a resource fair. Co-sponsors of the conference include the Wilder Research Center, the Professional Association of Treatment Homes (PATH) and the Search Institute.

Contact: Marian Heinrichs, (612) 626-1212

3/29/94 mn

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HIBBING'S MESABA CLINIC TO NEGOTIATE HEALTH CARE ALLIANCE WITH U OF M

The University of Minnesota Health System (UMHS) and the Mesaba Clinic of Hibbing will negotiate the development of a health care delivery alliance.

Mesaba has been affiliated with UMHS since 1987, with UMHS physicians providing specialty services at Mesaba. The proposed alliance would expand this affiliation to provide more specialty services when requested by Mesaba and increase the university's teaching and clinical research activities at the clinic. In addition, UMHS would help with Mesaba's placement and retention of physicians.

"Mesaba is excited to enhance our ongoing relationship with the University of Minnesota and looks forward to continuing to provide quality primary care to the people in our area," said Dr. Michael Heck, Mesaba Clinic president. "This partnership could help us in our mission to be a top regional health care facility."

"We have had a good affiliation with the Mesaba Clinic and look forward to expanding our relationship," said Gregory Hart, president of the UMHS. "We are very pleased to have this opportunity to work with Mesaba to advance health care delivery in Minnesota."

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3/29/94

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Electronic media: If you are interested in doing live shots, please note that the pep band will lead the march to the Civic Center at about 6 p.m.

GOPHER HOCKEY FANS TO HOLD PEP RALLY BEFORE THURSDAY PLAYOFF GAME

- Fans to assemble at 5:30 p.m. in St. Paul's Rice Park
- Rain site is Civic Center lobby
- NCAA Tournament Kick-off* set for Galtier Plaza at lunchtime

Fans of University of Minnesota hockey are invited to the *Gopher Pre-Playoff Pep Rally* at 5:30 p.m. Thursday, March 31, at Rice Park in downtown St. Paul. Featuring university cheerleaders, the pep band, Goldy Gopher and special guests, the rally will conclude with a 6 p.m. march to the Civic Center in time for the Gopher's 7 p.m. NCAA semifinal game against Boston University.

Rice Park is located between Fourth and Fifth streets, a block east of the Civic Center. In case of rain, the event will be moved to the Civic Center lobby.

The pep rally is sponsored by the University of Minnesota Alumni Association, in conjunction with Men's Intercollegiate Athletics and University Relations.

Fans who can't wait that long to display their exuberance can also attend the *NCAA Hockey Tournament Kick-off Rally* for all the Final Four teams at 11:30 a.m. on the main floor of Galtier Plaza. Bands and cheerleaders of the rival teams will take part in cheering contests, battles of the bands and other "get pumped" activities.

**Contacts: Bill Brady, University News Service, (612) 625-8510
Chris Nielsen, Galtier Plaza, 292-0600**

3/29/94

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Media note: To arrange an interview with Nicholson, contact astronomy professor Terry Jones at 624-8009.

COMET-JUPITER COLLISION SUBJECT OF BELL MUSEUM TALK

The impending collision between Comet Shoemaker-Levy 9 and Jupiter in July is the subject of a talk by Cornell University astronomer Phillip Nicholson at 7:30 p.m. Thursday, April 7, in room 150 of the University of Minnesota's physics building, 116 Church St. S.E., on the Minneapolis campus.

Nicholson's talk, *Smoke and Mirrors: The Collision of Comet Shoemaker-Levy 9 with Jupiter*, will concern what may be the biggest explosion in our solar system this century. The comet, which has already been torn into more than 20 pieces by Jupiter's gravity, will spiral into the planet's dark side, generating shock waves with more than 1,000 times the force of an earthquake registering 8 on the Richter scale.

Nicholson's talk is sponsored by the university's Bell Museum, the Minneapolis Planetarium and the Minnesota Astronomical Society. Admission for members of those organizations is \$3; for nonmembers, \$5. For information on the talk call the Bell Museum at 624-7083.

Contact: Deane Morrison, (612) 624-2346

4/1/94

NewsLog / Science Edition

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April 4, 1994

□ Killing the messengers

When messages get piled too high, we destroy or recycle the ones we no longer need. Cells do the same thing with their messenger RNA, using nucleases to digest old messages. But some messages are needed longer than others, and it may be advantageous to extend the life of a given message at certain times. Thus cells must be able to control the degradability of their messages. **Janet Schottel**, associate professor of biochemistry, says some mRNAs slow down attack by nucleases with stem-loop structures that seem to interfere with nuclease binding (see accompanying diagram). Others have sequences that seem to decrease stability, a feature that allows a cell to quickly shut down production of the protein encoded by those mRNAs. She has found that a short-lived bacterial mRNA known as *cat* contains a sequence that, when inserted into a relatively stable mRNA, cuts its stability from 8 to 18 minutes to about 2 minutes, the same as *cat*. She has found cleavage sites for enzymes—probably endonucleases—in the middle of the *cat* sequence and is now looking for the essential part of the sequence that confers its instability. She's also testing random chromosome fragments for their ability to destabilize mRNA. Schottel is at 612/624-6275.

□ Catching the wind

The solar wind that blows through our corner of space bombards Earth's magnetosphere with streams of charged particles (plasma) in gusts up to 2 million miles per hour. The impacts cause stunning auroras, but also set off magnetic storms and big voltages in the Alaska pipeline. The capricious nature of these events reflects the patchiness of the solar wind, specifically, variations in particle speed, wavelength, density and other features. But correlating these variations with terrestrial events would require a spacecraft beyond the magnetosphere to catch the solar wind before it arrives.

Such a craft is WIND, to be launched in July as part of the huge international study of the magnetosphere known as the Global Geospace Science project. Aboard will be WAVES, physicist **Paul Kellogg's** experiment to study the plasma and radio waves in the solar wind before it hits the magnetosphere. WIND will use the moon's gravity to place itself a million miles from Earth, in position to measure the incoming solar wind. Its data will be correlated with what's happening on other spacecraft and on Earth. **Keith Goetz**, a member of Kellogg's research team, can also talk about the project. Kellogg's at 612/624-1668, Goetz 612/624-3520.

□ Dismantling the MG engine

Most diseases involve an attack by a foreign organism, with the body's immune system rushing to the defense. But in autoimmune (AI) diseases, the immune system is the attacker and the "target" is specific molecular structures within the patient's own body. The "bullets" are antibodies, but the real culprit is what "pulls the trigger," namely, the white cells known as T cells. And it isn't a simple case of AI patients just having the wrong antibodies. Working with myasthenia gravis (MG), in which muscles are attacked, biochemist **Bianca Conti-Tronconi** has revealed much of the complexity of AI diseases. In many MG patients, the "target" is a receptor molecule to which the neurotransmitter acetylcholine binds, signalling the muscle to contract. Conti-Tronconi found that most patients' T cells recognize—and initiate attacks against—about 12 different parts of the receptor, but each patient's T cells also recognize a few additional parts. She is now studying Graves' disease, which strikes the thyroid, and says the pattern is similar. Conti-Tronconi, who has published more than 100 papers in her investigations of autoimmunity, is at 612/624-6796.

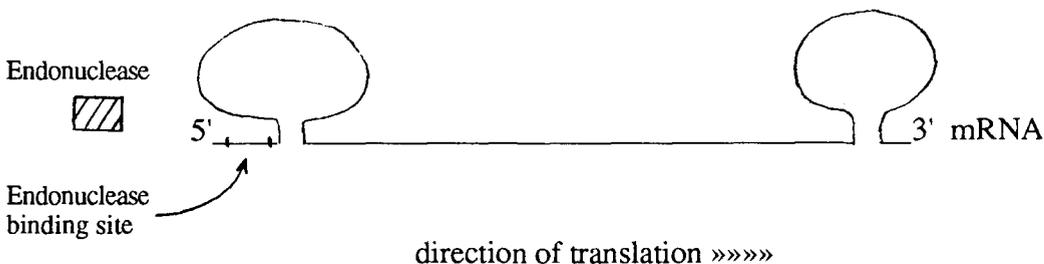
NewsLog / Science Supplement

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Killing the Messengers

Stem-loop structures may interfere with endonucleases:

Endonuclease prevented
from binding



- ❑ The *ompA* message of *E. coli* has such a 5' loop structure. Joel Belasco at Harvard found that extending the 5' tail of *ompA* decreased the message's resistance to attack by endonucleases. The complete *ompA* message is about 1200 nucleotides long.
- ❑ Stem-loops may also protect against exonucleases, which attack from the 3' end and chew off nucleotides in sequence.
- ❑ The *ompA* message, which codes for *outer membrane protein A*, has a half-life between 8 and 18 minutes under conditions of rapid growth. When the *E. coli* cells are growing slowly, the message half-life is more like 4 minutes, typical of bacterial mRNA.
- ❑ Janet Schottel of the University of Minnesota found that insertion of a 300-nucleotide sequence from the *cat* (chloramphenicol acetyltransferase) mRNA (also from *E. coli*) reduced the *ompA* message's half-life under rapid growth conditions to 2 minutes.
- ❑ Some bacterial mRNAs change in stability in response to differing growth conditions, but *ompA* is the only message to do this that has been studied in detail.
- ❑ In mammals, the protooncogenes (normal forms of genes that can turn into cancer genes) known as *c-fos*, *c-myc* and *c-jun* all produce very short-lived messages. A mutation in the *c-fos* gene can change both the stability of the mRNA (increasing it) and the nature of the protein it codes for.

Catching the Wind

- ❑ The Global Geospace Science project aims to understand the interactions of everything in the magnetosphere. It includes spacecraft from Japan, Europe and Russia as well as the United States.
- ❑ The only spacecraft to sample the pristine solar wind was the International Comet Explorer, which visited Comet Jacobini-Zinner in 1985. But since it didn't intercept parts of the wind that hit Earth's magnetosphere, the characteristics of the wind couldn't be correlated with specific effects such as auroras, magnetic storms or disruption of communications.
- ❑ The plasma waves of the solar wind vibrate like sound waves, in a pattern of rarefaction and compression. By measuring power as a function of wave frequency, scientists can get an estimate of the density of particles in the plasma stream.
- ❑ In May, Kellogg's group will collect similar data from the spacecraft *Ulysses* when it begins its exploration of the sun's polar regions.

Dismantling the MG Engine

- ❑ Early findings suggested that the immune system's occasional rampages against the body had a simple explanation. But it's not so. For example, tolerance—the immune system's ability to recognize and spare host tissues—exists because of several mechanisms. Until recently, only the clonal deletion theory was understood. The theory holds that T cell clones that recognize host tissues are destroyed (deleted), but some survive and are held in check unless activated by an AI disease. Another theory held that AI diseases were due to autoimmune antibodies, and that was it.
- ❑ A simple model for autoimmunity is to consider T cells as keys and the target structures they recognize as locks. But even within one patient there are many keys, many locks and many keys for one lock.
- ❑ Working with MG patients, Conti-Tronconi found that most patients have T cells that recognize parts of the acetylcholine receptor that are unique to a special form of the receptor. That form, called the embryonic form, is found in embryos and is usually replaced by an adult version of the receptor when the muscle is innervated. Conti-Tronconi found the embryonic form in thymus and eye muscles. Eye muscles are often affected by MG, causing twitching.
- ❑ By studying people's responses to tetanus and diphtheria toxoids (substances used to make vaccines against these diseases), Conti-Tronconi hopes to find a way to stimulate a type of T cells that might be useful in shutting down other T cells and containing an undesirable immune response.

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U OF M REGENTS TO DISCUSS '94-95 BUDGET THURSDAY

- Plan would increase tuition revenue by 4.2 percent
- Pilot project would give freshmen a guaranteed 5-year tuition rate
- Monthly meetings Wednesday, Thursday and Friday, April 6, 7 and 8

Tuition at the University of Minnesota would increase about 4 percent under a proposed budget to be considered by the university's Board of Regents this week. About 1 percent of the increased tuition revenues would be earmarked for quality improvements such as enhanced advising, new classroom equipment and more student aid. The \$1.6 billion budget contains money for a 6 percent salary increase, non-salary budget increases of 3 percent, an \$8.5 million investment pool for implementing *University 2000*, and \$10 million in internal cuts and reallocations.

The budget will be presented to the board for discussion during the committee of the whole meeting at 1:30 p.m. Thursday, April 7. The regents will vote on the budget in May.

The tuition increases vary, from \$105 a year for Twin Cities campus lower division students to \$167 for Morris students to \$1,295 for pharmacy doctoral students.

Under a pilot project, 250 freshmen will be offered a new guaranteed tuition plan, in which students would pay a higher rate — \$90 per credit vs. \$70.77 — in return for assurance that the rate will not increase for five years.

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

Wednesday, April 6

- 3 p.m. Audit, 300 Morrill. Report on external audit of Minnesota Supercomputer Center.

Thursday, April 7

- 8:30 a.m. Facilities, 300 Morrill. Quarterly report on capital budget.
- 8:30 a.m. Faculty, staff and student affairs, 238 Morrill. Report on student recruitment, admissions and enrollment. Annual reports of the athletic directors.
- 10 a.m. Financial operations and legislative, 300 Morrill. State legislative update.
- 10 a.m. Educational planning and policy, 238 Morrill. Conflict of interest policy update.
- 11:30 a.m. Ground-breaking ceremony for new Basic Sciences Building, corner of Washington Avenue and Church Street.
- 1:30 p.m. Committee of the whole, 238 Morrill. Presentation of 1994-95 budget plan.

Friday, April 8

- 8:30 a.m. Committee of the whole, 238 Morrill. *University 2000* : benchmarks and update on role of University College.
- After committee of the whole: Board of Regents, 238 Morrill.
- After Board of Regents: non-public meeting to discuss University Hospital marketing activity and attorney-client privileged matters. 238 Morrill.

Contact: Bill Brady, (612) 625-8510

UNIVERSITY OF MINNESOTA

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Media note: Dawkins will be available for interviews at 2:15 p.m. (following the book signing) in the North Star Ballroom.

RICHARD DAWKINS, EVOLUTIONARY BIOLOGIST, TO SPEAK AT U OF M APRIL 19

Richard Dawkins, an evolutionary biologist from Oxford University, will deliver the 1994 Guy Stanton Ford Memorial Lecture at 12:15 p.m. Tuesday, April 19, in the North Star Ballroom of the St. Paul Student Center at the University of Minnesota. The lecture is sponsored by the university's Graduate School and is free and open to the public.

Dawkins has advanced the idea that all complexities of life, including the human mind, are products of Darwinian natural selection. He is author of two classic works on evolution, *The Blind Watchmaker* and *The Selfish Gene*. His most important scholarly work is *The Extended Phenotype*. In 1991 he was invited to deliver the Royal Institution Christmas Lectures for Young People, five lectures televised by the BBC. He is now at work on a book of these lectures, to be published under the title *Growing Up in the Universe*.

Dawkins will hold an informal book signing immediately following the lecture. The student center bookstore will have Dawkins' books for sale before and after the lecture. For more information call the Graduate School at (612) 625-7579.

Contact: Deane Morrison, (612) 624-2346

4/5/94

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GROUNDBREAKING CEREMONY FOR \$62.7 MILLION U OF M RESEARCH FACILITY APRIL 7

Groundbreaking for a \$62.7 million Basic Sciences/Biomedical Engineering Building at the University of Minnesota will be held at 11:30 a.m. Thursday, April 7, at the corner of Church Street and Washington Avenue, on the Minneapolis campus.

Speakers will include U.S. Representative Martin Sabo, University of Minnesota President Nils Hasselmo and university Board of Regents Chair Jean Keffeler.

The Minnesota Legislature authorized \$52.7 million of the building's \$62.7 million pricetag; \$10 million is from a U.S. Department of Defense grant. Of the Minnesota portion of the cost of the eight-story, 270,000-square-foot building, the Legislature is funding two-thirds, and the University of Minnesota is funding one-third. The state appropriation is one of the largest the Legislature has ever approved for a public building.

The building will house the Biomedical Engineering Center and research laboratories for the Medical School's departments of biochemistry, cell biology and neuroanatomy, laboratory medicine and pathology, pharmacology, and physiology. The new laboratories will replace outdated labs in four buildings constructed between 1912 and 1958.

Contact: Peggy Rinard, (612) 624-9912

4/6/94

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U OF M PUBLIC HEALTH PROFESSOR AND ALUMNI ASSOCIATION DIRECTOR TO SPEAK AT RED WING ALUMNI FUNCTION

University of Minnesota public health professor Robert Veninga and University Alumni Association executive director Margaret Sughrue Carlson will be the guests at the Red Wing Area Chapter dinner Sunday, April 17, at the Red Wing Country Club.

Veninga, the author of four books and more than 60 articles focusing on organizational change, stress management and career renewal, will talk about *Thriving on Change: A Seminar on Growth, Humor and Hope*. Carlson will give a brief update on the university and the alumni association.

A social hour will begin at 5 p.m., followed by dinner and program at 6 p.m. Tickets for the event are \$12.50 per person and \$25 per couple. For more information contact Jean Jackish at 388-9437 or Nancy Schulenberg at 388-7676.

Contact: Sandra Berens, (612) 625-9195

4/6/94 bs

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EUGENE SANDER JOINS U OF M'S COLLEGE OF BIOLOGICAL SCIENCES ADVISORY COUNCIL

Eugene Sander, president and CEO of Hayfield, Minn. based Zumbro/Innovative Food Processing, has joined the university's College of Biological Sciences Advisory Council. His three-year, renewable appointment began April 1.

As an advisory council member, Sander will work to increase interaction with area communities concerning university education and research for the biological sciences.

Sander was professor of food process engineering at the university's College of Agriculture for five years and more recently served as vice president of technical services at Grain Processing Corp. He received a doctorate in food technology and chemical engineering from Iowa State University and attended post-graduate business school at the University of Pennsylvania's Wharton School and at Harvard University.

"Dr. Sander brings biological entrepreneurial expertise and outstate perspective to our council, providing balance," said Doris Rubenstein, development officer at the College of Biological Sciences.

Contact: Mike Nelson, (612) 626-7701

4/6/94

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U OF M ALUMNI NATIONAL PRESIDENT TO SPEAK AT WADENA ALUMNI FUNCTION

Janie Mayeron, president of the University of Minnesota Alumni Association National Board, will be the guest speaker at the Wadena Alumni Chapter dinner and meeting Sunday, April 17, at Pine Cove Inn in Wadena.

Mayeron, a 1973 graduate, will talk about *Making the University of Minnesota Connection* and how to maintain the university as a strong, world-class educational institution.

A prospective student information session will be held from 3 to 5 p.m. at Wadena-Deer Creek High School. Representatives from several units of the university will answer questions about admissions, financial aid, tuition, majors and student life. Students and parents are invited to attend both the session and the dinner.

A social hour will begin at 6 p.m., followed by dinner and program at 7 p.m. Tickets for the event are \$12 per person and \$5 for high school students. For more information contact Tom Paper at work at (218) 631-2617 or at home at (218) 631-2557.

Contact: Lori Winters, (612) 625-9183

4/6/94 bs

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U OF M SPORTS FACILITIES CAMPAIGN EXCEEDS GOAL

The fundraising campaign for new and renovated University of Minnesota sports facilities has raised \$5.9 million, more than \$400,000 over its goal, according to a report delivered to the Board of Regents today (Thursday, April 7) by the men's and women's athletics departments and the University Foundation.

The campaign, launched in July 1991, was led by co-chairs Kathleen C. Ridder and Stanley S. Hubbard. It's the first successful effort by men's or women's athletics to raise money for bricks and mortar.

"That says a lot about how the community feels about these incredible new facilities," said director of men's athletics McKinley Boston. "Some people questioned the likelihood of this campaign achieving success, but people like Stan Hubbard had the vision and were determined to see it through. Because of persistent volunteers like him, we not only achieved our goal, we surpassed it by almost half a million dollars and received gifts from nearly 850 donors."

"Kathleen Ridder has been a phenomenal fund raiser for women's athletics for many years," said director of women's athletics Chris Voelz. "I knew when she agreed to co-chair the campaign that it would not fail. Our deepest appreciation goes to her and all of the volunteers who helped achieve this."

Two other volunteers singled out by the athletic directors were former Gopher men's basketball player Charley Mencil and longtime Gopher hockey enthusiast Bruce Telander. Mencil, a 1955 All-American, led a crew of former men's basketball players who canvassed the community to raise funds for the renovation of Williams Arena. Telander put together a team of former hockey players to raise money for the new Mariucci Arena.

Proceeds from the campaign help reduce a \$41 million debt incurred by updating the facilities. The rest of the debt will be repaid from assured seating revenues, parking and ticket surcharges, advertising, concessions and club membership fees. No state or university funds have been or will be used.

The campaign will continue to raise money until June 30, the end of the university's fiscal year.

Contact: Jan Unstad, director of development, (612) 625-4569

4/7/94

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MARVIN BORMAN RECEIVES U OF M REGENTS' AWARD

The University of Minnesota regents have awarded their highest honor, the Regents' Award, to Marvin Borman, founding partner in the Minneapolis law firm Maslon Edelman Borman & Brand.

Borman was honored for significant contributions to the growth and development of the university. "We are very pleased to bestow this award upon Marvin Borman," said Jean Keffeler, chair of the Board of Regents. "His contributions to the university have been outstanding and extend well beyond the achievements we recognize today. His university volunteerism will have an important impact on students and the community far into the future."

Borman chaired the Minnesota Campaign's nucleus division, an effort to raise contributions of \$1 million or more, from 1985 to 1988. The record-breaking Minnesota Campaign raised \$365 million in private gifts for the University.

Borman has been on the University of Minnesota Foundation's Board of Trustees since 1985, serving as president from 1988 to 1990 and chair from 1990 to 1992. He currently is a senior vice president of the board and a member of its executive committee.

As a member of the Governor's Blue Ribbon Commission on Financial Management of the University of Minnesota, Borman helped formulate recommendations that resulted in a major revamping of the university's financial structure.

He also has served in leadership roles for a variety of other community organizations, including cochair of the Attorney General's Task Force on Child Abuse Within the Family; chair of the board of the Minneapolis Institute of Arts and the Minneapolis Society of Fine Arts; chair and president of Mount Sinai Hospital; and president of the United Way of Minneapolis, the Minneapolis Foundation, Temple Israel, the Minneapolis Club, the Jewish Family and Children's Service, and the Hennepin County Health and Welfare Council. In 1967 he was general chair of the Minneapolis Federation for Jewish Service Campaign and was general chair of the Minneapolis Area United Way Campaign for 1970. He is currently serving as cochair of the campaign for the Harriet Tubman Women's Shelter.

Borman received a bachelor of arts degree from the University of Michigan in 1944 and served as a captain in the U.S. Marine Corps. Following World War II, he attended Harvard Law School and was graduated Juris Doctor in 1949.

The regents have given 35 Regents' Awards since the program was established in 1957.

Contact: Gwen Willems, (612) 624-3333

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U OF M SOURCES ON RWANDA AND BURUNDA

Several University of Minnesota faculty members are knowledgeable about the situation in Rwanda and Burundi. They are:

- Scott Loveridge, assistant professor of agricultural and applied economics. He lived in Rwanda for several years in the mid-1980s while doing research for his doctorate. He has since returned for several short visits, most recently about two weeks ago. He said the country is having a hard time making the transition from a military, one-party regime to a democracy, and that gangs would go around beating up people in the "wrong" party. He's at (612) 625-7014.

- Edgar Persons, professor of vocational and technical education. Persons was campus coordinator for a major agricultural project the university had with the University of Rwanda in the late '80s and early '90s and travelled to Rwanda several times during that period. He's at (612) 624-3748.

- Steve Clarke, coordinator in the office of International Agricultural Programs, was field manager for a large university project and lived in Rwanda from 1984 to 1987. He has visited several times since, and maintains links with colleagues and friends there. He's at (612) 624-7402 or 624-3221.

- Sarah Gleason, former graduate student in agricultural education. She was a Peace Corps volunteer in Burundi in the late '80s and has followed the situation there for the past year. She's at (612) 825-7404.

In addition, several university students come from Rwanda and Burundi. If you wish to interview any of them, please call me at (612) 624-2346 and I'll have them call you if they're willing to be interviewed.

Contact: Deane Morrison, (612) 624-2346

4/12/94

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U OF M'S HUMPHREY INSTITUTE PRESENTS LES ASPIN IN CARLSON LECTURE SERIES

The University of Minnesota's Humphrey Institute will present former U.S. Defense Secretary Les Aspin as its next Distinguished Carlson Lecturer Thursday, April 28, at 12:15 p.m. in the university's Northrop Auditorium.

The title of Aspin's talk will be *National Security: Politics, Press, and Personalities*.

Aspin's tenure as President Bill Clinton's defense secretary was marked by controversy over ending a ban on gays in the military, U.S. involvement in Somalia and the former Yugoslavia and the closing of defense bases. Aspin also opened thousands of jobs to women on ships and in aircraft cockpits but maintained the ban on women in direct combat.

Based on the end of the Cold War, Aspin initiated a review of U.S. defense needs when he was chair of the House Armed Services Committee, a position he held from 1985 until becoming defense secretary. His review is considered the most thorough, comprehensive guide available for U.S. defense requirements in the post-Cold War era. Military officials supported Aspin's plan, which developed alternatives to the current armed forces arrangement, while trimming defense spending by about \$100 billion over five years.

A native of Milwaukee, Wis., Aspin began his political career as a staff member to William Proxmire, a former Wisconsin senator. He then became a staff assistant to Walter Heller, chair of President John Kennedy's Council of Economic Advisers and former University of Minnesota economics professor. Aspin was commissioned an Army officer in 1966. He worked under U.S. Defense Secretary Robert McNamara until 1968, when he returned to Milwaukee to teach economics at Marquette University. Aspin was elected to the U.S. House of Representatives in 1970.

(OVER)

Aspin's speech is free and open to the public, but tickets are required. Free tickets may be picked up at any Ticketmaster ticket center, including Dayton's and Great American Music stores. Ticketmaster cannot accept telephone orders for this event.

At the University of Minnesota, tickets are available at Coffman Union information desk on the east bank of the Minneapolis campus, in Room 130 of the Humphrey Institute on the west bank and at the St. Paul Student Center's Union Station. The limit is two tickets per request. Remaining tickets will be distributed at the door the day of the lecture.

The Carlson Lecture Series is made possible by a \$1 million grant from Curtis L. Carlson, founder and board chair of Carlson Companies. The series is managed by the Humphrey Institute's Office of Development and External Relations.

**Contact: Gwen Ruff, Humphrey Institute communications coordinator, (612) 625-1326;
or Mike Nelson, University News Service, (612) 626-7701**

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**PHOTO OP:
ART RESTORER TO WORK ON RARE ICONS
AT U OF M TOMORROW THROUGH FRIDAY**

- Rarely seen historical works of art up close
- Painstaking work done by master restorer

Art restorer Eduard Soppi, a historian with the National Institute of Cultural Monuments in Albania, will be working on rare and historical icons at the University of Minnesota's Weisman Art Museum from noon until 2 p.m. this Wednesday, Thursday and Friday, April 13 through 15. Soppi will be available for photographs and interviews in the museum's Dolly Fiterman Riverview Gallery, where he will be working.

The demonstration is in conjunction with the university-sponsored conference, *An Unknown Territory: The Art and Architecture of Albania in a Balkan Context*, running through April 17 at the Weisman Art Museum. For more information call Diane Katsiaficas, symposium coordinator, at (612) 625-8096.

**Contacts: Robert Bitzan, Weisman Art Museum, (612) 625-9494 or (612) 588-0728
Nina Shepherd, News Service, (612) 624-0214**

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April 13, 1994

Contact: Gwen Ruff, (612) 625-1326

PUBLIC SERVICE ANNOUNCEMENT

(30 SECONDS) FORMER U.S. DEFENSE SECRETARY LES ASPIN
WILL SPEAK ON *NATIONAL SECURITY: POLITICS,
PRESS AND PERSONALITIES* AT 12:15 P.M.
THURSDAY, APRIL 28, IN THE UNIVERSITY OF
MINNESOTA'S NORTHROP AUDITORIUM. FREE
TICKETS ARE AVAILABLE AT THE UNIVERSITY'S
COFFMAN UNION INFORMATION DESK, THE
HUMPHREY CENTER ON THE WEST BANK AND
THE ST. PAUL STUDENT CENTER, AS WELL AS
ANY TICKETMASTER, DAYTON'S OR GREAT
AMERICAN MUSIC STORE. THE SPEECH IS PART
OF THE DISTINGUISHED CARLSON LECTURE
SERIES SPONSORED BY THE UNIVERSITY'S
HUMPHREY INSTITUTE OF PUBLIC AFFAIRS.

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U OF M MENOPAUSE CONFERENCE TO BE HELD APRIL 30

A proactive approach to menopause will be the theme of a University of Minnesota Hospital and Clinic conference to be held from 8 a.m. to 4:30 p.m. Saturday, April 30, at the Radisson Hotel Metrodome, 615 Washington Ave. S.E., Minneapolis.

The conference will feature presentations by university physicians on topics such as mammography, osteoporosis and heart disease.

The cost of the conference is \$16 for the general public and \$23 for nurses and social workers wanting continuing education credit. Registration deadline is April 20. Call (612) 626-1983 for more information.

Contact: Helen Paul, (612) 626-0612

4/13/94

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ALLERGY RELIEF IS TOPIC OF MAY 5 HAR-MAR CHALK TALK

Understanding and managing allergy problems in seniors will be discussed by University of Minnesota allergist Malcolm Blumenthal at 9:30 a.m. Thursday, May 5, at the Har-Mar General Cinema Theaters 1-3 in Roseville.

Blumenthal, head of the university's allergy section, will address ways seniors can properly manage the symptoms of allergies.

The talk, part of the monthly Har-Mar Chalk Talks lecture series for seniors, is sponsored by the University of Minnesota Hospital and Clinic, Roseville Area Senior Program, the Good Neighbor Foundation, Whitehouse and Roseville Good Samaritan Centers and Har-Mar merchants.

The talk is free, but registration is required before April 29. Call 633-3997 to register.

Contact: Helen Paul, (612) 626-0612

4/14/94

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KEVIN MCHALE TO CHAIR MINNESOTA MEDICAL FOUNDATION GOLF CLASSIC AUG. 29

Former Minnesota Gopher and Boston Celtic star Kevin McHale has been named honorary chair of the Minnesota Medical Foundation's fourth annual Golf Classic to benefit medical education and research at the University of Minnesota. The tournament will be held Aug. 29 at North Oaks Golf Club. More than 240 golfers are expected to compete.

Past honorary chairs have included golfer Les Bolstad, Gopher women's athletic director Chris Voelz, Gopher men's athletic director McKinley Boston and Gopher hockey coach Doug Woog. Proceeds from past tournaments have provided more than \$100,000 for medical research at the university in areas such as Parkinson's disease, cancer, AIDS, and heart disease.

"This tournament has made an important difference in providing support to researchers, and we are fortunate that the community has responded so well to this event," said tournament co-chair Gregory Vercellotti, associate professor of medicine-hematology at the university.

Opportunities still exist for individuals and businesses to participate in this year's tournament. For more information, contact Mark Marshall at (612) 625-8676.

Contact: Mark Marshall, Minnesota Medical Foundation, (612) 625-8676

4/14/94 ns

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DNA EVIDENCE SUBJECT OF TALK AT U OF M MAY 5

Richard Lempert, the Francis A. Allen Collegiate Professor of Law and professor of sociology at the University of Michigan, will speak on *The Honest Scientist's Guide to DNA Evidence* at 12:15 p.m. Thursday, May 5, in the Rare Books Room (385) of the University of Minnesota Law School.

Lempert will provide a brief primer on DNA identification technology and talk about the scientific standards DNA experts should follow. He will also take questions about the law, science, technology and politics concerning DNA identifications.

Lempert served on a National Research Council committee that studied DNA identifications and has written several articles on the subject.

Contact: Kristi Rudelius-Palmer, Law School, (612) 626-7794

4/15/94 dm

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JAPANESE-AMERICAN TRADE TOPIC OF U OF M TALK APRIL 18

Junichi Goto, professor at the Research Institute for Economics and Business at Kobe University in Japan, will speak on *Labor in International Trade Theory: A New Perspective on Japanese-American Issues* from 3:30 to 5:30 p.m. Monday, April 18, in room 385 of the University of Minnesota Law School. He will deliver an address on the same topic from 11:30 a.m. to 1 p.m. Tuesday, April 19, in room 170 of the university's Humphrey Institute.

Goto, who holds a doctorate in economics from Yale University, is currently a visiting professor at the Massachusetts Institute of Technology. Throughout his career, he has worked with the Japanese Ministry of Labor and the World Bank. He has also published a book with the same title as his talks.

Both events are free to the public. The Humphrey Institute talk is sponsored by the institute's Freeman Center for International Economic Policy and the university's International Trade Consortium.

Contact: Kristi Rudelius-Palmer, Law School, (612) 626-7794
Gwen Ruff, Humphrey Institute, (612) 625-1326

4/15/94 dm

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UNIVERSITY OF MINNESOTA MAY STARWATCH

by Deane Morrison

The moon and Earth take turns blocking each other's view of the sun this month—in other words, solar and lunar eclipses occur—and the two brightest planets bracket the evening sky. Meanwhile, Mercury approaches Venus in the western twilight and Mars struggles toward visibility in the predawn hours.

The partial solar eclipse on the 10th will noticeably darken the late morning sky. From the Twin Cities, the bottom 80 percent of the sun's disk will be blotted out by the moon; coverage will be a little more to the southeast and a little less to the northwest. The eclipse will begin at 10:24 a.m. CDT, when the new moon cuts off the first rays of sunlight. At 11:57 a.m. the eclipse will reach its maximum, and the show will end at 1:37 p.m.

Even though much of the sun will be covered, never look directly at it; severe vision loss may result. The safest way to watch the eclipse is to put a 1/16" hole in an index card and hold it up to the sun with the sun behind you. Then hold a second card two to four feet away, in the shadow of the first. Light coming through the hole will project an image of the sun on the second card. People living in a swath about 150 miles wide extending from El Paso, Tex., to New England will be treated to a rare annular eclipse, in which a ring of sun surrounds the dark lunar disk at the height of the eclipse.

Two weeks after the solar eclipse, the full moon wanders into its larger companion's shadow. The partial lunar eclipse begins at moonrise on the 24th, just as it enters Earth's light outer shadow (the penumbra). The moon first encounters the dark core of the shadow (the umbra) at 9:37 p.m. CDT. The height of the eclipse occurs at 10:30 p.m., when a dark shadow obscures the lower part of the moon. At 11:23 p.m. the moon exits the umbra, and the best part of the show will be over. This month's full moon has been called the flower moon by some Indian tribes, a tribute to the eruption of blossoms that accompanies its appearance.

Venus begins the month in Taurus and ends it in Gemini as the winter constellations sweep past the planet in the west. Watch Aldebaran, the eye of the bull, arc toward the horizon near Venus during the first week of May; late in the month, the bright stars Procyon and Capella will flank Venus in a nearly horizontal lineup.

Mercury, low in the west-northwest, competes with the sun's afterglow as May draws to a close. Like Venus, Mercury is coming out from a trip behind the sun. On the 30th it will swing out 23 degrees from the sun, as far from the sun as it will get during this apparition. Look for Mercury to the lower right of Venus. Binoculars help.

Jupiter, the rival of Venus, will be out in the east as night falls. An unmistakable presence on the Virgo-Libra border, Jupiter outshines the nearest bright star, Spica, about 15 degrees to the west.

The morning sky offers little in the way of easy-to-find planets. Saturn rises a couple of hours before dawn on the 1st, by 1 a.m. on the 31st. Mars, in Aquarius, lags an hour behind Saturn all month but should be reasonably easy to find in the eastern predawn sky during the latter half of May.

May is a good month to look for the star cluster known as Coma Berenices, or Berenice's hair, which reaches its highest point in the sky during the evening hours. If skies are very dark, the cluster can be glimpsed with the naked eye by sighting along a line connecting the tip of Leo's tail to Arcturus, the bright yellowish star in Bootes to the east. The cluster appears as a tiny patch of stars above the line, closer to Leo. Coma Berenices is an open, or galactic, cluster, so named because similar clusters occur commonly in the spiral arms of the Milky Way. Another type, globular clusters, are compact, spherical groupings of thousands or millions of stars. Globular clusters orbit the center of the Milky Way in paths that take them in and out of the disk, where most visible matter lies. A fine example is the Hercules cluster, found about midway between Arcturus and the superbright star Vega, which is just now lifting above the eastern horizon.

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

4/18/94

Contact: Deane Morrison, (612) 624-2346

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U OF M FOOTBALL COACH JIM WACKER TO SPEAK AT OTTER TAIL COUNTY ALUMNI FUNCTION

University of Minnesota football coach Jim Wacker will be the guest at the Otter Tail County Alumni and Friends lunch meeting at 11:45 a.m., Wednesday, May 11, at the Fergus Falls Elks Club, 207 Lincoln Ave. W.

Wacker, who has been the Gophers' head coach for two years, is one of the most sought-after speakers at the university. His speech, *Success Is An Attitude*, offers advice for success in school, athletics and life.

Tickets for the event are \$5 per person, which includes a buffet lunch. For tickets and other information contact Robin Rhode at (218) 739-3295 (work) or (218) 739-3512 (home).

Contact: Rachel Pocras, Alumni Association, (612) 624-2323

4/18/94 bs

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April 18, 1994

Contact Chris Coughlan-Smith, (612) 626-0474

PUBLIC SERVICE ANNOUNCEMENT

(30 SECONDS) FIND OUT HOW TO SWIM WITH THE SHARKS WITHOUT BEING EATEN ALIVE. BEST-SELLING AUTHOR HARVEY MACKAY WILL BE FEATURED SPEAKER AT THE UNIVERSITY OF MINNESOTA ALUMNI ASSOCIATION'S 90TH ANNIVERSARY CELEBRATION ON TUESDAY, MAY 10, IN THE UNIVERSITY'S GIBSON-NAGURSKI FOOTBALL COMPLEX. THE EVENING STARTS WITH A SOCIAL HOUR AT 5:30 P.M. TICKETS ARE \$40 FOR NONMEMBERS OF THE ALUMNI ASSOCIATION, \$35 FOR MEMBERS AND \$5 FOR STUDENTS. ORDER YOURS BY CALLING 624-2323 OR 1-800 UM-ALUMNS.

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U OF M RAPTOR CENTER EARTH DAY SPRING BIRD RELEASE APRIL 23

The University of Minnesota Raptor Center's annual Earth Day spring bird release will be held from 10 a.m. to 3 p.m. on Saturday, April 23, at the French Regional Park in Plymouth.

The event includes appearances by Steve Miller of the Steve Miller Band, Diana Pierce and Belinda Jensen from KARE-TV, food and an opportunity to win a chance to release a raptor to the wild. Jack Pearson, musician and storyteller, will be performing at 1:30 p.m. Admission is free.

There is a \$4 parking fee at the site or park free with a current Hennepin County Park sticker. A free parking and bus shuttle service will be provided between French Regional Park and Target Greatland on Rockford Road (County Road 9).

Established in 1972, the Raptor Center has cared for more than 6,700 sick and injured birds of prey. The center also conducts raptor research, works for raptor conservation and presents community education programs to raise awareness.

For information call the Raptor Center at 624-4745.

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

4/19/94 mn

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U OF M, MIXED BLOOD THEATER TO STAGE MUSICAL WITH A MESSAGE APRIL 25

Baby, Baby!, a musical about a low-income woman of color seeking prenatal care, will be performed by Mixed Blood Theater of Minneapolis Monday, April 25, from 12:30 p.m. to 2:30 p.m. at the Weisman Art Museum, 333 E. River Road, on the University of Minnesota's Minneapolis campus.

Sponsored by the university's School of Nursing, the program will include the performance, a panel discussion and an informal reception.

The performance is made possible through financial support of the Junior League of Minneapolis and the Medtronic Foundation.

Tickets are free, but must be obtained in advance by calling Sharon Vegoe at (612) 624-3150. Contributions to the School of Nursing Minority Scholarship Fund are welcomed.

Contact: Sharon Vegoe, (612) 624-3150

4/19/94 ns

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AUTHOR HARVEY MACKAY TO SPEAK AT U OF M ALUMNI'S 90TH ANNIVERSARY EVENT

Best-selling author Harvey Mackay will be the keynote speaker at the University of Minnesota Alumni Association's 90th anniversary celebration Tuesday, May 10, in the university's Gibson-Nagurski Football Complex.

Mackay, a 1954 graduate of the university, is owner of Mackay Envelopes of Minneapolis and author of three best-selling books that have been translated into 20 languages and sold in more than 80 countries. His speech will contain advice for business and life and inspiration for those seeking to serve the university through the UMAA.

The evening starts with a social hour at 5:30 p.m., followed by dinner and program at 7 p.m. Each of the UMAA's 17 collegiate alumni societies will have a gathering area during the social hours. Stories and photos from the 90 years of the alumni association will be on display.

Tickets are \$40 for non-members of the alumni association, \$35 for members and \$5 for students.

For more information call (612) 624-2323 or 1-800 UM-ALUMS.

Contact: Chris Coughlan-Smith, Alumni Association, (612) 626-0474

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U OF M ALUMNI ASSOCIATION DIRECTOR TO SPEAK AT GRAND RAPIDS ALUMNI FUNCTION

University of Minnesota Alumni Association executive director Margaret Sughrue Carlson will be the guest at the Grand Rapids Area Chapter and Grand Rapids Rotary Club dinner Monday, May 23, at the Rainbow Inn.

Carlson, who received a doctoral degree in educational administration and public policy from the university in 1983, will give a brief update on the university and the alumni association.

A reception will begin at 6:15 p.m., followed by dinner and program at 6:45 p.m. Tickets for the event are \$8 per person. For tickets and other information contact Margaret Matalamaki at (218) 326-6521.

Contact: Rachel Pocras, Alumni Association, (612) 624-2323

4/19/94 bs

UNIVERSITY OF MINNESOTA

FACT SHEET

I-94 Road Repair and U of M Access

■ Overview:

- Major road work will begin this fall and continue through fall of 1996 on the I-94/University Interchange/Dartmouth Avenue (Mississippi River) Bridge due to deteriorating road conditions, substandard infrastructure and a higher-than-normal accident rate. Normal traffic patterns to and from the University will be extensively disrupted during most phases of the \$28 million project.
- Beginning spring of 1995, eastbound and westbound ramps to the University from I-94 will closed. Road work will also require the closure of the Riverside Avenue ramps, Franklin Terrace, and the East River Parkway Bridge. Additionally, traffic on I-94 will be restricted to two lanes in each direction from Highway 280 to Riverside Avenue.

■ Accommodations:

- University representatives have been working with the Minnesota Department of Transportation (MNDOT) and city and state organizations in planning alternative routes, parking, and transportation options around campus.
- MNDOT will provide clearly marked designated detour routes, continuous highway advisory radio broadcasts, and a high occupancy vehicle bypass from Snelling Avenue to westbound I-94. The existing University transitway will be extended to provide a temporary detour for MTC buses.

■ Contacts:

- Paul Tschida, assistant vice president of campus health and safety, 612-626-0521
- Judy Jacobs, public affairs coordinator, MNDOT, 612-582-1365

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Media note: Reporters and photographers are welcome at next Wednesday's 8 p.m. media preview. Black and white photos are also available. Call Jan Grover or Nina Shepherd.

JOE ORTON'S DARKLY COMIC "LOOT" OPENS APRIL 28 AT U OF M THEATRE

Loot, the irreverent and scandalous black comedy by England's bad-boy playwright Joe Orton, opens at 8 p.m. next Thursday, April 28, at University Theatre in Rarig Center, 330 21st Ave S., Minneapolis. The performance runs through Sunday, May 8.

The play's 1965 debut in Cambridge, England, so offended government censors that Orton had to scrap his plans to have the central corpse played by a live actress instead of by a mannequin. The university's production is true to Orton's original script—a live actress will play the deceased Mrs. McLeavy, whose corpse is shunted about by her greedy survivors throughout the story.

Tickets are \$9 for general admission; \$7 for students and groups of 15 or more. For ticket information, call (612) 624-2345.

Contacts: Jan Grover, University Theatre, (612) 625-7505
Nina Shepherd, News Service, (612) 624-0214

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U OF M REGENTS TO HOLD BUDGET FORUMS TUESDAY, APRIL 26

- 7 p.m. open forum invites public comment
- Faculty, staff leadership to be heard in separate sessions

The University of Minnesota Board of Regents will hold an open forum to hear opinions on the proposed 1994-95 budget at 7 p.m. Tuesday, April 26th, in 238 Morrill Hall. The forum will follow sessions with faculty leaders at 4:30 p.m., civil service representatives at 5:15 p.m. and professional and administrative staff leaders at 5:45 p.m., all in 238 Morrill.

The budget, which was presented to the board at its meeting earlier this month, will be voted on at its next meeting in May. Under the proposal, tuition revenues would increase just over 4 percent, about 1 percent of which would be earmarked for quality improvements such as enhanced advising, new classroom equipment and more student aid. The \$1.6 billion budget contains money for a 6 percent salary increase, non-salary budget increases of 3 percent, an \$8.5 million investment pool for implementing *University 2000* and \$10 million in internal cuts and reallocations.

The tuition increases vary, from \$105 a year for Twin Cities campus lower division students to \$167 for Morris students to \$1,295 for pharmacy doctoral students. Under a pilot project, 250 freshmen will be offered a new guaranteed tuition plan, in which students would pay a higher rate — \$90 per credit vs. \$70.77 — in return for assurance that the rate will not increase for five years.

More than a dozen people have signed up to speak at the open forum, including students, professors and union leaders.

The open forum is one of several ways opinions on the budget may be expressed. The regents have also invited input via Internet e-mail (muesing@mailbox.mail.umn.edu), fax at (612) 624-3318 or by writing to the Board of Regents Office, 220 Morrill Hall, University of Minnesota, Minneapolis, MN 55455.

Contact: Bill Brady, (612) 625-8510

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GAIL KLATT NAMED U OF M DIRECTOR OF INTERNAL AUDITS

Gail Klatt, senior audit manager for Norwest Corp., has been named director of the department of internal audits at the University of Minnesota. She will assume the position April 18 pending approval by the university's Board of Regents.

As director of internal audits, Klatt will oversee the university's department of audits, which conducts independent analysis, audits and appraisals on the financial, operational and internal control policies. The department assists the board and all members of management with fulfilling oversight responsibility and monitors university activities concerning risk.

Klatt has been with Norwest for the past 15 years. In her most recent position she is responsible for the auditing of Norwest's Minnesota banking operations, which involve more than \$12.5 billion in assets and 117 bank locations. She received a bachelor's degree from the university in 1976.

"Gail Klatt brings an exemplary professional background to the university," said Regent Bill Hogan, chair of the board's audit committee. "Gail will be a great asset as we continue the university's reform agenda," said Bob Erickson, senior vice president of finance and operations.

Contact: Nina Shepherd, (612) 624-0214

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Media note: Reporters and photographers are welcome at dress rehearsal Wednesday, May 11, at 7 p.m. Call Pat Solstad for details.

NEW OPERA CONDUCTED BY DAVID ZINMAN, DIRECTED BY VERN SUTTON DEBUTS MAY 13 AT U OF M

- A wax museum, circus clowns, guard dogs and Buffalo Bill**
- And a tragic love story to boot**

The retelling of the myth of Orpheus and Eurydice under a circus tent and in the halls of a wax museum is the subject of *Apollonia's Circus*, a new opera debuting at the University of Minnesota's Ted Mann Concert Hall Friday, May 13, through Sunday, May 15. Friday and Saturday performances begin at 8 p.m.; Sunday's begins at 2 p.m.

The opera, written by Eric Stokes, will be conducted by Baltimore Symphony director David Zinman, directed by the university's School of Music director Vern Sutton and performed by the School of Music's Opera Theatre. *Apollonia's Circus* is the third collaboration between composer Stokes and St. Paul-based librettist Alvin Greenberg; their first project, *Horspfa!*, drew national acclaim.

Ticket prices for Friday and Sunday performances are \$12 for general admission, \$10 for students and senior citizens. Saturday's performance is a scholarship benefit for School of Music students. Tickets are \$12 for general admission, \$10 for student and senior citizens and \$75 for benefit participants who may attend a reception after the performance. Call (612) 624-2345 for ticket information; (612) 624-0326 for benefit information.

Contacts: Pat Solstad, School of Music, (612) 624-0326
Nina Shepherd, News Service, (612) 624-0214

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U SEXUAL HEALTH PROGRAM FOR GAY MEN HEADS FOR SWEDEN

A University of Minnesota sexual health program designed to prevent transmission of the AIDS virus within the gay community has been adopted by the Swedish National Institute for Health and the Stockholm City Council.

The program's first two-day session, "Man-to-Man: Sexual Health Seminars," will begin in Sweden next month. Swedish health professionals hope to use the Minnesota model to develop an equivalent program to provide a positive approach to sexual education for gay men.

"For 10 years, health professionals have been telling gay men about AIDS and the need to use condoms," said Simon Rosser, developer of the program and an assistant professor of family practice and community health and psychology. "Finally, we are recognizing the need to provide those most at risk with decent, comprehensive sexual education. In many ways, prevention has focused on behavioral modification, while ignoring the context within which sex takes place. In the second decade of AIDS prevention, education needs to go deeper to help people develop a more positive attitude towards their own sexuality. We are happy that Swedish health educators are willing to use our program."

Contact: Mary Stanik, (612) 624-4604 (media inquiries only)

4/25/94

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EVILLE GORHAM, U OF M ECOLOGIST, ELECTED TO NATIONAL ACADEMY OF SCIENCES

Eville Gorham, Regents' Professor of Ecology at the University of Minnesota, was elected to the National Academy of Sciences today (April 26) during its annual meeting in Washington, D.C.

Election to the academy is considered one of the highest honors for an American scientist or engineer. With today's election of 60 new members, the current active academy membership stands at 1,710.

Gorham is known for his discovery that acid rain can fall far from its sources in urban industrial areas and pollute rural lakes and streams. Currently, he is investigating the ecology of peatlands and how they might respond to global warming. His research team is especially interested in methane, which is produced naturally in peatlands. Methane ranks second to carbon dioxide as the most important "greenhouse" gas.

The National Academy of Sciences is a private organization of scientists and engineers dedicated to the furtherance of science and its use for the general welfare. It was established in 1863 by Congress and President Abraham Lincoln with the stipulation that it would act as official adviser to the federal government, upon request, in any matter of science or technology.

Contact: Deane Morrison, (612) 624-2346

4/26/94

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IS THE EAGLE RISING OVER A SETTING SUN? U.S.-JAPAN COMPETITION ASSESSED AT U OF M'S HONEYWELL SWEATT SYMPOSIUM

- Symposium to focus on international competition, technology transfer
- New half-day format aims to attract managers, technical professionals

Technology transfer and the heated U.S.-Japan economic rivalry will be topics for the University of Minnesota's Honeywell W.R. Sweatt Symposium from 1 to 5 p.m. Tuesday, May 10, in room 150 of the Tate Lab of Physics on the Minneapolis campus. The free symposium will be divided into two parts:

• *The Rising Eagle—a Shift in the U.S.-Japan Competitive Position*, starting at 1:30 p.m., will feature **Geoffrey Nicholson**, 3M vice president for international technical operations, and **Bela Gold**, professor of technology and management at Claremont Graduate School's Peter F. Drucker Center in Pomona, Calif. Among the questions to be explored: after years of lagging behind Japan, encouraging signs indicate that American industries have regained lost ground; but is this because they're getting more competitive or because of the changing value of the yen?

• *New Paradigms in Technology Transfer*, starting at 3:30 p.m., will feature **Priscilla Wardlow**, vice president for manufacturing for Honeywell's Division of Home and Building Control, and **Elizabeth Starbuck**, director of technology transfer for the university's Center for Interfacial Engineering. The speakers will discuss how technology transfer can help companies gain competitive advantage in the national and world marketplace. (Technology transfer is business jargon meaning the moving of new technical knowledge from where it is generated to where it can be used.)

The symposium will open at 1 p.m. with introductory remarks by **Yechiel Shulman**, director of the university's Center for the Development of Technological Leadership.

The Honeywell W.R. Sweatt Lectures are made possible by a gift from the Honeywell Foundation. They are named for William R. Sweatt, former majority stockholder of the Electric Heat Regulator Company of Minneapolis, which became Honeywell.

Contact: Bill Brady, (612) 625-8510

4/26/94

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INDIVIDUAL RESPONSIBILITY FOR HEALTH TO BE DISCUSSED AT U OF M BIOMEDICAL ETHICS SEMINAR MAY 19

The relationship between an individual's responsibility for health and health care allocation will be covered at "Sinners, Saints, and Health Care: Individual Responsibility for Health – Ethical, Legal, and Economic Questions," from 8 a.m. to 4:30 p.m. Thursday, May 19, in the Cowles Auditorium of the University of Minnesota's Hubert Humphrey Center, 301 19th Ave. S., on the Minneapolis campus.

The conference, sponsored by the university's Center for Biomedical Ethics with support from the Northwest Area Foundation, will feature speakers such as Arthur Caplan, director of the university's Center for Biomedical Ethics; Jean Forster of the university's School of Public Health; Stuart Hanson, president of the Park Nicollet Medical Foundation; and Lawrence Nelson, a San Francisco bioethics consultant.

Reporters are welcome to cover the conference discussion sections, but credentials will be required of all news media representatives. They can be obtained by calling Mary Stanik at (612) 624-4604 before May 12.

Contact: Mary Stanik, (612) 624-4604 (media inquiries only)

4/29/94

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BIOETHICS ROLE IN HEALTH CARE POLICY TO BE DISCUSSED IN WASHINGTON MAY 23 AND 24

Health policy formulation and the role bioethics professionals can play in shaping such policy will be discussed in a conference May 23 and 24 in Washington, D.C.

The conference, sponsored by the University of Minnesota Center for Biomedical Ethics, the University of Pennsylvania Center for Bioethics and the Association of Academic Health Centers with support from the Greenwall Foundation, will be held at the Hyatt Regency on Capitol Hill, 400 New Jersey Ave. N.W., Washington, D.C.

Conference speakers will include Arthur Caplan, director of the University of Minnesota Center for Biomedical Ethics; Steve Miles, also of the university's Center for Biomedical Ethics; Bruce Vladeck, administrator of the U.S. Health Care Financing Administration; and Tracy Miller, executive director of the New York State Task Force on Life and the Law.

Reporters are welcome to cover conference discussion sections, but credentials will be required of all news media representatives. Credentials can be obtained by calling Mary Stanik at (612) 624-4604 before May 9.

Contact: Mary Stanik, (612) 624-4604 (media inquiries only)

5/2/94

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ETHICS OF HEALTH CARE REFORM SUBJECT OF WASHINGTON CONFERENCE MAY 22

Relationships between fundamental ethical values and rights and the health care reform debate will be the focus of a May 22 conference in Washington, D.C.

The meeting, the first national conference sponsored by the newly formed American Association of Bioethics, will be held at the Hyatt Regency on Capitol Hill, 400 New Jersey Ave. N.W. The meeting will be supported by a financial grant from the FHP Foundation.

Meeting speakers will include: Arthur Caplan, meeting chair, president of the American Association of Bioethics and director of the University of Minnesota Center for Biomedical Ethics; Susan Wolf, also of the university's Center for Biomedical Ethics; Paul Starr, Princeton University sociology professor and co-editor of *The American Prospect*; and Margaret Battin, University of Utah philosophy professor. Many of the speakers served on President Clinton's Domestic Health Care Task Force.

Reporters are welcome to cover conference discussion sections, but credentials will be required of all news media representatives. Credentials can be obtained by calling Mary Stanik at (612) 624-4604 before May 15.

Contact: Mary Stanik, (612) 624-4604 (media inquiries only)

5/3/94

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RICHARD LEAKEY SPEAKS ON ORIGINS OF HUMANITY AT U OF M MAY 21

Richard Leakey, renowned anthropologist and champion of African wildlife, will speak on themes of his new book, *Origins Reconsidered*, at 8 p.m. Saturday, May 21, in Northrop Auditorium at the University of Minnesota in Minneapolis.

Leakey caused a stir in 1977 with his bestseller *Origins*, in which he drew on findings from anthropology to examine the forces that powered human evolution. In his latest book he considers how humans evolved into beings capable of creating civilization, art and language, and where our species is headed.

The son of famed paleoanthropologist Louis Leakey and anthropologist Mary Leakey, Leakey at first resisted joining what he called "the family business." But he soon discovered his own talent for fossil hunting; his finds of human ancestors include a remarkably complete 1.9 million-year-old skull of *Homo habilis* and the most nearly complete skeleton of *Homo erectus*. During his career as a paleoanthropologist, Leakey, who holds no college degree, sometimes found himself at odds with other anthropologists over interpretations of the human fossil record. He leans toward the Garden of Eden hypothesis, the theory that modern humans appeared only once, in Africa, more than 100,000 years ago. An opposing hypothesis holds that *Homo sapiens* evolved from *Homo erectus* almost simultaneously in Africa, Europe and Asia.

In recent years, Leakey changed his focus from the origins to the future of humanity, especially its impacts on other species. As director of the Kenya Wildlife Service, he fought for five years to save Kenya's elephants and bring the plight of African wildlife to the world's attention. He is credited with bringing about a drastic reduction in elephant poaching, but drew fire from some who charged him with indifference to the plight of human residents of Kenya and with racism. He resigned from the service this year to protest new restrictions on his operations.

This year Leakey received the Hubbard Medal of the National Geographic Society, an honor conferred only 29 times since 1906.

His talk is sponsored by the university's Bell Museum of Natural History. Admission is \$12; \$9 for Bell Museum members and \$6 for students with ID. A reception following the lecture is \$6; \$3 for members and students. Tickets are available at Northrop Box Office, (612) 624-2345.

Contact: Deane Morrison, (612) 624-2346

5/4/94

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Media note: Mel George will be available at 507/646-3000 all day Thursday (May 5), but will be out of town Friday.

ST. OLAF'S MEL GEORGE NAMED U OF M VP

Melvin D. George, who will retire as president of St. Olaf College June 30, will become the University of Minnesota's vice president for institutional relations, pending approval by the Board of Regents at its May 13 meeting.

George, who has spent his career in higher education teaching, research and administration, will oversee the University of Minnesota's public relations, alumni relations, fund-raising and lobbying efforts.

Because of prior commitments to his family and to the National Science Foundation, George will work half-time at the university from July 1 to Oct. 1, when he will begin the job full time. During the summer, George will be assisting the NSF in a new study of the state of undergraduate science education in the United States, as requested by the National Science Board.

"Having spent 25 years of my life in land-grant research universities in the Midwest, I have great appreciation for the very important work they do for our society," George said. "I respect the University of Minnesota enormously and look forward to making a contribution to help strengthen it as it faces the year 2000."

"I am very pleased that Dr. George has accepted this important assignment in my administration," University of Minnesota President Nils Hasselmo said. "His distinguished career

(more)

Mel George/2

as a faculty member and academic leader in major land-grant institutions as well as his presidency of one of the nation's finest liberal arts colleges have prepared him well for this position."

George, 58, has been president of St. Olaf in Northfield, Minn., since March 1985. Under his direction, the VISION campaign raised nearly \$73 million for the college's endowment and several major construction projects, including doubling the size of the library and adding a new athletic field house.

"I'd planned to stop and smell the proverbial roses after leaving St. Olaf, but the roses are going to have to wait," George said. "There are more exciting and interesting things to do. I think it's a good policy to go through doors when they open."

George, a mathematician, earned an undergraduate degree from Northwestern University and a Ph.D. from Princeton. He began his career as a research associate at the University of Maryland in 1959, and then served as a faculty member at the University of Missouri-Columbia, as dean of the College of Arts and Sciences at the University of Nebraska-Lincoln, and as vice president for academic affairs and interim president of the University of Missouri system.

George announced his retirement from St. Olaf in April 1993. As president, George was active in state, regional and national education organizations, including the Advisory Committee on Education and Human Resources of the NSF. In 1989 he was asked by the Minnesota Legislature to head the Regent Candidate Advisory Council to review and recommend candidates for the Board of Regents of the University of Minnesota. He became the only private college president chairing a group that helped in the selection of the governing body of the state's major public university. His term on the council ended in January.

Contact: Pat Kaszuba, (612) 624-8520

5/5/94

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Full text of Nils Hasselmo quote on the Mel George appointment

“I am very pleased that Dr. George has accepted this important assignment in my administration. His distinguished career as a faculty member and academic leader in major land-grant institutions as well as his presidency of one of the nation’s finest liberal arts colleges have prepared him well for this position.

I will be looking to him for leadership as we continue to develop the strongest possible links with the university’s alumni and many other supporters, with the many other constituencies with which the university is cooperating and with the general public.

The University of Minnesota is enormously important to the future of this state, as it has been enormously important to its past development. We need to form even stronger partnerships between the university and the people of the state. I believe that by virtue of background, experience and personality, Mel George is well suited to help lead this major effort.”

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TIM PENNY, VIN WEBER TO DIRECT HUMPHREY INSTITUTE POLICY FORUM

U.S. Rep. Tim Penny, D-Minn., and former Republican Rep. Vin Weber will direct a public policy forum at the University of Minnesota's Humphrey Institute.

Penny and Weber will become Humphrey Institute senior fellows and continue a public policy issues forum started in 1990 by former Vice President Walter Mondale and directed by former senior fellow Geri Joseph. The policy forum will continue to provide conferences featuring debate on national and international issues confronting the United States. Past policy forums have focused on changing politics and the media, U.S.-Soviet relations and American political parties. Speakers have included journalists Thomas Oliphant, Susan Spencer and Linda Wertheimer; Clinton administration officials David Gergen and Robert Reischauer; and Russian government officials Andrei Kozyrev and Sergei Stankevich. The Mondale Policy Forum was suspended in 1993 after Mondale was named U.S. ambassador to Japan.

Penny and Weber said they intend to use their congressional experience and contacts to present forums that examine issues from many perspectives. They will continue the format of choosing one topic as the focus of several conferences during an academic year. Likely topics include the changing American social culture, telecommunications and the future of political parties.

"While we represent a shift in the forum's leadership, we'd still like the forum to be out front in examining issues that will affect this country into the next century—to be looking at issues ahead of the curve," said Weber.

Weber and Penny also will continue a part of the program that appoints emerging government, business and nonprofit leaders as program fellows. Fellows in the Mondale Forum participated in each conference, in private meetings with speakers and in regularly scheduled seminars throughout the year. Penny and Weber will work with staff members and an advisory board to plan more explicit activities to develop fellows' leadership skills.

"Training in leadership is not given much focus," Penny said. "Too many people leave it to the

politicians, and that's not always a good thing."

Weber, who represented the Second Congressional District in southwestern Minnesota from 1981 to 1992, is a regular commentator on National Public Radio, *The MacNeil-Lehrer NewsHour*, Cable News Network's *Inside Politics* and other broadcast programs. He is co-director of Empower America, a conservative grassroots political organization, and has begun working with the Rockefeller Foundation on a project to revitalize citizenship.

Penny, who leaves Congress in December after six terms, also will be working with the Concord Coalition, an educational and activist organization founded by former Sens. Paul Tsongas of Massachusetts and Warren Rudman of New Hampshire to promote fiscal responsibility. Penny was recently re-elected chair of the Minnesota Democratic Leadership Council, an organization that has concerned itself with ideas such as national service and reinventing government, topics that became Clinton presidential campaign themes.

"I don't think you should make a career out of elected public service," said Penny. "There are other ways to serve. You don't have to be in politics to be a leader."

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

5/9/94 dm

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MARIO BOGNANNO NAMED U OF M ASSOCIATE TO PRESIDENT

- **President's choice is Carlson School professor, faculty leader**
- **Appointment effective June 16**

Mario (Mike) Bognanno, University of Minnesota industrial relations professor and director of the Carlson School of Management's Industrial Relations Center, has been appointed associate to university President Nils Hasselmo. He succeeds Kathy O'Brien, who left to join Minneapolis Mayor Sharon Sayles Belton's administration. As the president's top assistant, Bognanno will carry such chief-of-staff responsibilities as facilitating communication within the administration and between the administration and its constituents, working with the president in organizing and implementing the university work plan and overseeing operations of the president's office.

Bognanno (pronounced bun-YAHN-o), a native of Des Moines, Iowa, has been on the university faculty since 1970. Besides his appointment in industrial relations, he holds the title of professor in the graduate program in health and hospital administration. Considered an expert in labor relations and conflict resolution, he is on the board of the university's Conflict and Change Project and is a nationally recognized labor arbitrator. Long active in faculty leadership positions, Bognanno chaired the Faculty Consultative Committee in 1992-93 and currently chairs the university working group on faculty compensation.

"I'm very pleased that we've been able to attract a person with such broad experience as faculty member, academic administrator and leader in faculty governance," said Hasselmo. "He brings to this assignment a good understanding of the many constituencies the university serves, as well as extensive experience in arbitration and mediation. I look forward to working with him."

"The university is at a critical crossroads in its history," said Bognanno. "President Hasselmo is committed to putting in the infrastructure and academic programs to assure the people of Minnesota that their university remains one of the nation's leading land-grant institutions well into the 21st century. I'm eager to work with the president to achieve this. The quality of our instruction and research and, for that matter, the quality of our students, faculty and staff, hang in the balance. The challenges are enormous, but so too are the opportunities."

Bognanno's appointment is effective June 16.

Contact: Bill Brady, (612) 625-8510

5/9/94

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Carl Blair, project coordinator, can be reached at 625-1062. The furnaces are located in the rear parking area at 1936 Commonwealth Ave. on the St. Paul campus.

PHOTO OP: CLAY FURNACE AT U OF M WILL MAKE IRON THE WAY IT WAS MADE 2,500 YEARS AGO

- Tall shaft furnace will burn over 900 pounds of iron ore and charcoal a day
- Archaeological event to reproduce ancient activities

Archaeology students at the University of Minnesota are preparing for *Smelt 1994* by constructing furnaces that will produce iron the way they believe it was produced over 2,500 years ago. Participants have constructed a 10-foot tall shaft furnace and a smaller shaft furnace to produce rivulets of molten slag and iron that was used to make weapons, nails and hooks in ancient times.

The cone-shaped furnaces are built from a mixture of clay and sand. When in use, the furnances produce brilliant hues of yellow, orange and red flame. A good time for viewing the display is after dark.

Smelt 1994 will run 24 hours a day from May 17 to 22 and May 29 to June 3.

Contact: Mike Nelson, News Service, (612) 626-7701

5/10/94

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TITANIC DISCOVERER ROBERT BALLARD TO VISIT BELL MUSEUM AND SPEAK AT WESTMINSTER TOWN HALL FORUM

Robert Ballard, discoverer of the *Titanic*, will visit the University of Minnesota's Bell Museum of Natural History on Wednesday, May 11, and participate in a Westminster Town Hall Forum on Thursday, May 12.

• **7 p.m. Wednesday, May 11**— Media are welcome at an event featuring Ballard in the Touch and See Room of the Bell Museum. There will be a presentation by 5th graders from Monticello, Minn., and an informal discussion by Ballard. The Bell Museum is located at 10 Church Street S.E., on the university's east bank.

• **Noon Thursday, May 12**— Ballard will give a talk titled *The Titanic to Telepresence: Living the Dream* at Westminster Presbyterian Church in Minneapolis. Admission is free. The Westminster Presbyterian Church is located at 83 South 12th Street (Nicollet Mall at Twelfth Street) in Minneapolis.

Ballard is director and founder of the JASON Foundation for Education, a project designed to excite students about science and technology and to motivate and train teachers. Ballard, who also directs the Center for Marine Exploration and the Woods Hole Oceanographic Institute, has led or participated in nearly 100 deep-sea explorations, including the expeditions that discovered the *Titanic* and the German battleship *Bismarck*. He is the author or co-author of more than 50 journal articles and scientific papers and has received numerous scientific awards. Ballard is currently working with Steven Spielberg as a technical adviser for the television show *SeaQuest*.

Ballard's visit is co-sponsored by the Westminster Town Hall Forum and the Bell Foundation.

Contact: Amy Torgerson, Bell Museum, (612) 626-2220

5/10/94 mn

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INSTITUTE OF TECHNOLOGY HOLDS *DISCOVER I.T.* EVENT THURSDAY, MAY 12

The University of Minnesota's Institute of Technology (IT) will host *Discover I.T.*, an event for alumni and friends of IT, all day Thursday, May 12.

The day will begin at 8 a.m. with registration in Northrop Auditorium, followed by an address by IT Dean Frank Kulacki in room 150 of the physics building. Between 9 a.m. and 5:45 p.m. participants may select from a variety of 45-minute activities, including lectures, presentations on current research, tours, a career seminar for alumni and current students, and a box lunch with IT faculty. The day will conclude with a 6 p.m. reception, followed by a 7 p.m. banquet, both at the Radisson Hotel Metrodome. The banquet will feature an address by University President Nils Hasselmo titled *I.T. in the 21st Century*.

Registration is free, but there is a charge for a box lunch and for the reception and dinner. For more information contact Richard Schleicher, IT director of external relations, 626-1807.

Contact: Deane Morrison, (612) 624-2346

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CALIFORNIA SUPREME COURT JUSTICE KENNARD TO SPEAK AT U OF M LAW SCHOOL COMMENCEMENT MAY 14

California Supreme Court Justice Joyce Kennard will deliver the commencement address at the University of Minnesota Law School graduation ceremony at 2 p.m. Saturday, May 14, in Northrop Auditorium on the Minneapolis campus.

Kennard was born in West Java, Indonesia, to a Chinese-Indonesian mother and a Dutch father. Her father died when she was an infant, and she and her mother were interned in a Japanese war camp for three years. They later emigrated to Dutch New Guinea and then to Holland, where she began high school. She moved to the United States in 1961, worked as a secretary and was naturalized as a citizen in 1967.

The only woman on the California Supreme Court, Kennard earned a law degree and a master's degree from the University of Southern California in 1974. She served on the California Court of Appeals and superior court in Los Angeles, and on the Los Angeles County Municipal Court. She was appointed to the California Supreme Court in 1989.

Kennard is known as an advocate for women, minorities and the poor, especially with respect to preserving access to the court system. She has frequently dissented from majority opinions in support of human rights.

Contact: Kristi Rudelius-Palmer, (612) 626-7794

5/11/94 dm

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U OF M REGENTS TO VOTE ON '94-95 BUDGET FRIDAY

- Plan would increase tuition revenue by 4.2 percent
- Faculty and staff would receive salary increases
- Monthly meetings Thursday and Friday, May 12 and 13

Tuition at the University of Minnesota would increase about 4 percent under a proposed budget to be voted on by the university's Board of Regents at their regular monthly meetings this week. The vote is scheduled for the 8:30 a.m. meeting Friday, May 13.

About 1 percent of the proposed increased tuition revenues is earmarked for quality improvements such as enhanced advising, new classroom equipment and more student aid. The \$1.6 billion spending plan also provides money for a 6 percent salary increase—only the second general salary increase in four years—and for non-salary inflationary increases of 3 percent.

Under a pilot project, 250 freshmen will be offered a new guaranteed tuition plan, in which students would pay a higher rate— \$90 per credit vs. \$70.77—in return for assurance that the rate will not increase for five years.

The university's newest regent, Hyon Kim of St. Anthony, will be officially sworn in at the beginning of Friday's Committee of the Whole meeting at 8:30 a.m.

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

Thursday, May 12

- 8 a.m. Audit, 300 Morrill. Update on oversight of external grants and contracts.
- 10:15 a.m. Financial operations and legislative, 238 Morrill. Legislative update.
- 10:15 a.m. Educational planning and policy, 300 Morrill. Update on collaborative efforts with other higher education systems.
- 11:15 a.m. Facilities, 238 Morrill. Action on amendments to current capital budget.
- 11:15 a.m. Faculty, staff and student affairs, 300 Morrill. Action on promotion and tenure recommendations.
- 1:30 p.m. Committee of the whole, 238 Morrill. A look at how next year's budget plays out in selected colleges.
- 3 p.m. Board of Regents, 238 Morrill. Non-public meeting to discuss hospital marketing activity and attorney-client privileged matters.

Friday, May 13

- 8:30 a.m. Committee of the whole, 238 Morrill. Oath of office to Regent Kim, action on budget plan.
- After committee of the whole: Board of Regents, 238 Morrill.

Contact: Bill Brady, (612) 625-8510

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OSCAR MILLER TO RECEIVE U OF M OUTSTANDING ACHIEVEMENT AWARD

Oscar Miller, Lewis and Clark Professor of Biology at the University of Virginia, will receive an Outstanding Achievement Award from the University of Minnesota's Board of Regents at 1 p.m. Friday, May 13, at the Graduate School commencement ceremony in Northrop Auditorium. The award, the highest given to alumni, recognizes exceptional professional achievement. Miller receives the award for his achievements in cell and molecular biology.

Miller received his doctorate in plant genetics from the university in 1960. A pioneering scientist, Miller found a method to visualize a gene being "read," with the RNA "message" visible as a growing chainlike structure next to the gene. So unique was Miller's method that it launched a new subfield of cytology, and slides showing transcription complexes—as the gene-RNA structures are called—are now known as "Miller spreads."

"No doubt, Miller has had a profound impact on our present comprehension of gene structure and function," said Bertil Daneholt, professor of molecular genetics at the Karolinska Institute in Stockholm. "He was the first to actually see an active gene."

Contact: Mike Nelson, News Service, (612) 626-7701

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WOMEN'S STUDIES, FEMINIST STUDIES CELEBRATE ANNIVERSARIES AT U OF M

The University of Minnesota's women's studies department and Center for Advanced Feminist Studies will celebrate joint anniversaries Friday, May 20.

Women's studies, which began with a handful of students and faculty in 1974, will celebrate its 20th anniversary. The center, begun in 1984, will observe 10 years as an interdisciplinary program for feminist research at the graduate level.

The two programs will sponsor a full day of activities, beginning at 9 a.m. with a marathon reading by alumni, friends and faculty at the Weisman Art Museum. A noon panel discussion in the museum's Shepherd Auditorium will feature nationally recognized feminist scholars Heidi Hartmann of the Institute for Women's Policy Research in Washington, D.C.; Barbara Christian of the department of African-American studies at the University of California, Berkeley; and Anne Truax of the University of Minnesota's Office of Equal Opportunity and Affirmative Action. The panel will be moderated by university faculty members Ruth-Ellen Joeres and Barbara Laslett, co-editors of the journal *SIGNS*.

A 4:30 p.m. program in the Humphrey Institute's Cowles Auditorium will feature polar explorer Ann Bancroft, Minneapolis Mayor Sharon Sayles Belton, actor and playwright Kim Hines and Minnesota Supreme Court Justice Sandra Gardebring. It will emphasize connections among women's accomplishments in many areas, including higher education. The Weisman is at 333 East River Rd., and the Humphrey Institute is at 301 19th Ave. S., both on the Minneapolis campus.

Contact: Clare Gravon, Center for Advanced Feminist Studies, (612) 624-9089

5/12/94 dm

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SURGEON HITCHCOCK TO RECEIVE U OF M ALUMNI AWARD

Claude Hitchcock, chief of surgery at Hennepin County Medical Center in Minneapolis, will receive the University of Minnesota's Outstanding Achievement Award, the university's highest alumni award, at the Foundation of the Hennepin County Faculty Associates 10th anniversary celebration Saturday, May 14, at the Hilton Hotel in Minneapolis.

Hitchcock is well known for his pioneering work in the fields of organ transplantation, renal dialysis, hyperbaric medicine and emergency medical treatment.

Chief of surgery at Minneapolis General Hospital from 1955 to 1988, Hitchcock was a university surgery medical fellow from 1947 to 1952, a surgery instructor between 1952 and 1954, an assistant professor from 1954 to 1956 and an associate professor from 1956 to 1961. From 1961 until 1988, he was a full professor of surgery. He received two bachelor's degrees and medical and doctoral degrees from the university.

Contact: Mary Stanik, (612) 624-4604

5/13/94 ns

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U OF M'S CENTER FOR EARLY EDUCATION AND DEVELOPMENT TO CO-SPONSOR ROUNDTABLE ON VIOLENCE PREVENTION

The University of Minnesota's Center for Early Education and Development (CEED) and the National Association for the Education of Young Children (NAEYC) will conduct a roundtable discussion, *For Kids' Sake—Prevent Violence* focusing on primary prevention of violence Friday, May 20, and Saturday, May 21, at the Northland Inn in Brooklyn Park.

Minneapolis Mayor Sharon Sayles Belton will provide opening remarks and Ronald Slaby, Harvard University, will give the theme address. Roundtable participants include Kenneth Dodge, Vanderbilt University; Hope Hill, Howard University; Carol Pardo, the Erickson Institute; and Murray Straus, University of New Hampshire.

CEED, a program of the university's College of Education, fosters early education and child development through research, dissemination of research and training professionals from the many disciplines associated with children and families. CEED seeks to expand awareness of the critical nature of the early years by illuminating policy issues at the local, state, and national level.

NAEYC offers professional development opportunities to early childhood educators with the aim of improving the quality of services to children from birth through age eight—considered the most critical years of development.

Contact: Judy Bartlett, Center for Early Education and Development, (612) 624-5780

5/13/94 mn

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JOHNS HOPKINS PROFESSOR NAMED U HEALTH SYSTEM PROVOST

William R. Brody, professor and director of radiology and professor of biomedical engineering and electrical and computer engineering at Johns Hopkins University, has been named provost of the University of Minnesota academic health center, pending approval by the university's Board of Regents. If his appointment is approved, Brody is expected to assume his duties Sept. 1.

Brody, who has been on the Johns Hopkins faculty since 1987, is a 1970 graduate of Stanford University School of Medicine. He also holds bachelor's and master's degrees in electrical engineering from the Massachusetts Institute of Technology and a doctorate in electrical engineering from Stanford. Between 1984 and 1987 he served as founder, president, and chief executive officer of Resonex Inc. From 1977 to 1984, he was a member of Stanford's radiology faculty.

As provost, Brody will be the chief executive officer for the university's academic health center, which includes more than 9,000 faculty and staff and more than 5,000 students in medicine, dentistry, pharmacy, public health, nursing, veterinary medicine and the allied health professions. He will be responsible for a budget of more than \$750 million and research enterprises encompassing more than \$132 million.

The position of provost of the health sciences units replaces the university's previous post of vice president for health sciences. As provost, Brody will be the sole health sciences representative among the university's central administration, and will report directly to university President Nils Hasselmo.

"I am very excited about this opportunity," said Brody. "With health care reform high on the federal and state agendas, I look forward to helping shape this institution's role in implementing such reform by working to ensure that the University of Minnesota's health sciences units remain preeminent centers of teaching, research, patient care and service."

"Dr. Brody will be able to bring strong leadership to the health sciences at Minnesota at a time of much change and many challenges," said Hasselmo. "He understands the great strengths of our health sciences and he understands the issues that must be addressed on the national and local scenes. In addition, he understands the fundamental importance of cutting-edge research and effective clinical practice as a foundation for health sciences education."

"We are absolutely thrilled to have found a provost with sterling credentials such as those of William Brody," said Winston R. Wallin, special adviser to Hasselmo and chair of the board of Medtronic Inc. "I am confident that he will be able to effectively guide the university's health sciences units to increased success."

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Pat Kaszuba, University News Service, (612) 624-8520

5/16/94

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BALD EAGLE RELEASED FROM U OF M RAPTOR CENTER FOUND AMONG THOSE POISONED IN WISCONSIN

A bald eagle released from the university's Raptor Center was among the 15 eagles found dead of pesticide poisoning near Fish Lake in northwestern Wisconsin in March. The Raptor Center first treated the eagle for pesticide poisoning after it was found nearly lifeless near Fish Lake on April 20, 1993. Treated with drugs to counteract the effects of the poisoning, the eagle recuperated quickly and was banded and released to the wild on May 28, 1993, at Buffalo River State Park near Glyndon, Minn.

Found near a nesting tree, the eagles had been killed by carbofuran, an insecticide that is extremely toxic to birds. Although investigators are uncertain whether the poisoning was intentional or the accidental result of a property owner's attempt to kill a coyote or other animal, there is evidence of a deliberate effort to harass or kill bald eagles in the Fish Lake area. Two bald eagles were killed in 1993 near the same location by the same chemical, and at least two nesting trees have been cut down near Fish Lake in recent years.

The Raptor Center is located on the university's St. Paul campus. Established in 1974, the center treats nearly 700 birds of prey each year.

Contact: MaryBeth Garrigan, (612) 624-3031

5/16/94 mn

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U OF M PROGRAM TO HONOR AFRICAN AMERICAN STUDENTS

The University of Minnesota's African American Learning Resource Center will honor African American students from 7 to 9 p.m. Wednesday, May 25, in the Cowles Auditorium of the Hubert H. Humphrey Institute on the west bank of the Minneapolis campus.

The annual event recognizes undergraduate students who have maintained academic excellence and undergraduate and graduate/professional students who will receive degrees from the university during the academic year. The keynote speaker will be university Regent Bill Hogan.

The event is free and open to the public. A reception will follow immediately in the atrium.

Contact: Tony Diggs, African American Learning Resource Center, (612) 625-1363

5/17/94 bs

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BOTANY BUILDING TIME CAPSULE TO BE OPENED MAY 27

❑ Found by demolition crew; contents remain a mystery

A time capsule discovered during the demolition of the university's Botany Building will be opened during a ceremony at noon Friday, May 27, at the Ecology Building on the St. Paul campus.

College of Biological Sciences dean P.T. Magee and plant biology department head Irwin Rubenstein will host the event, and Albert Frenkel, distinguished professor emeritus of botany, will deliver the keynote address. Board of Regents chair Jean Keffeler and Patrice Morrow, ecology, evolution and behavior head, will also speak at the ceremony.

Sealed and placed on May 27, 1926—68 years ago—the contents of the time capsule remain a mystery. A *Minnesota Daily* article from May 1926 suggests that the capsule may contain “scientific research.”

The ceremony includes the placement of a new time capsule in the Ecology Building, music and memories from 1926 and displays about botany, plant biology and ecology.

Contact: Doris Rubenstein, College of Biological Sciences, (612) 624-2244

5/17/94 mn

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Bentley can be reached at (415) 723-2467. Potami is at (612) 624-1648.

STANFORD RESEARCH DIRECTOR JOINING U OF M

Fred Bentley, director of the Sponsored Projects Office at Stanford University, will join the University of Minnesota June 1 as director of research administration, a new position in the Office of Research and Technology Transfer Administration (ORTTA).

Bentley will supervise staff in two sections of ORTTA: grants and contracts, and financial reporting. Grants and contracts staff are responsible for helping faculty submit funding proposals and manage awards for externally sponsored research, training and public service projects. In fiscal year 1993, 4,049 proposals requesting over \$644 million were submitted, and 3,005 new awards totalling \$263.6 million were received from external sponsors (federal, state and local agencies; private foundations and organizations; and industry). Financial reporting staff help university departments manage expenditures for sponsored projects (\$262.1 million last year) and complete financial reports to sponsors.

The director position was created to bring the entire process of proposal submission and award management under one person's supervision.

"This position is very important to the university as we deal with increasing demands for service and accountability," said Tony Potami, associate vice president for research and technology transfer. Over the past 10 years, the annual number of proposals by university faculty has increased 56 percent, receipt of awards has risen 67 percent and sponsored expenditures has grown 47 percent in inflation-adjusted dollars. In addition, federal and state agencies have increased their scrutiny of funded projects, and increased collaborations with industry have required more attention to prevent potential conflicts of interest from undermining research integrity and public trust, Potami said.

- OVER -

Bentley has extensive experience in research administration at three of the nation's leading universities. He joined Stanford in 1982, after serving as associate director of Cornell University's Office of Sponsored Programs from 1977 to 1982, as assistant director of MIT's Office of Sponsored Programs from 1972 to 1977, and in other research administration and accounting positions dating back to 1963. He has a bachelor's degree in accounting from Bentley College in Waltham, Mass.

At Minnesota, Bentley will remain a leader in national organizations such as the Council on Government Research and the National Council of University Research Administrators, for which he served as president in 1989-90.

"I look forward to applying my research administration skills in support of the University of Minnesota's mission," Bentley said. "My wife, Cheryl, and I also look forward to becoming reacquainted with the change of seasons we've missed during our past 12 years in California."

Contact: Michael Moore, (612) 624-9398

5/18/94 pk

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U OF M CO-SPONSORS COMMODITY CHALLENGE AWARDS

The Minnesota Council on Economic Education, part of the university's Department of Agricultural and Applied Economics, will conduct the Commodity Challenge Recognition Program at noon Wednesday, May 25, at the Minneapolis Grain Exchange.

The commodity challenge was developed by the Chicago Board of Trade to teach high school students how changes in supply-and-demand conditions translate into changes in commodity prices in the marketplace. With guidance from a teacher in their school, students bought or sold mock positions of a commodity and followed its activity for six weeks. Students were judged on the basis of how well they understood the economic factors influencing price changes, not by the amount of money lost or gained. The winning student-teacher team will be awarded an all-expense-paid trip to Chicago.

Other sponsors of the event include Cargill, General Mills, Pillsbury Co. and United Market Services. The Grain Exchange is located at 400 S. 4th St. in Minneapolis.

Contact: Claudia Parliament, (612) 625-5733

5/23/94 mn

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WILLIAM KUNSTLER TO ADDRESS HUMAN RIGHTS EDUCATION VOLUNTEERS

William Kunstler, known for his work on behalf of the Chicago Eight, Leonard Peltier and other celebrated defendants, will deliver the keynote address at a recognition program for Partners in Human Rights Education (PIHRE) participants at 6:30 p.m. Thursday, May 26, in Willey Hall at the University of Minnesota in Minneapolis.

In addition, Robert Gough, attorney for the estate of Crazy Horse, will speak on the battle against Crazy Horse malt liquor at 7:20 p.m.

PIHRE, a community education project to teach K-12 students about human rights and responsibilities, was established by Minnesota Advocates for Human Rights and the university's Human Rights Center. During the 1993-94 school year, more than 180 lawyers, teachers and community representatives associated with the project taught more than 3,500 primary and secondary students about human rights. The project has also created fellowships to support participants' work with human rights organizations around the world and, with the Maslon Edelman law firm, a series of human rights education spots on the children's radio station Radio AAHS.

Here's a sample of the evening's activities:

- 5:45 p.m. Heart of the Earth Drum Group
- 6:00 p.m. Introduction of PIHRE project by Brad Lehrman, chair of PIHRE steering committee
- 6:10 p.m. Storyteller portrayal of Sojourner Truth
- 6:30 p.m. Kunstler's address
- 7:00 p.m. Ceremony and honor song by Heart of the Earth Drum Group
- 7:05 p.m. Awards ceremony for PIHRE participants and announcement of PIHRE fellowships
- 7:20 p.m. Gough's address
- 7:45 p.m. Introduction of Radio AAHS human rights education program
- 7:55 p.m. Traditional American Indian music
- 8:30 p.m. Student poetry and letters

Contact: Kristi Rudelius-Palmer, (612) 626-7794

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UNIVERSITY OF MINNESOTA JUNE STARWATCH

by Deane Morrison

In June, Mars finally makes it as a visible morning planet. To the west, Venus glides into the Beehive star cluster during the evening hours. But the moon, having staged two eclipses last month, does absolutely nothing out of the ordinary.

Venus hangs over the western horizon, letting the stars slip by behind it. First to fall are the Gemini twins, Castor and Pollux. On the 1st, the two stars form an isosceles triangle with Venus, below them, at the apex. By the end of the month, Leo will be poised to dive into the twilight. Regulus, Leo's brightest star, will close in on Venus during the last week of the month. On the 20th, Venus enters the Beehive star cluster. Binoculars should show the faint stars behind Venus.

Mercury makes a brief visit to the evening sky during the first half of the month. Look for it very low in the west-northwest below Venus. By the 15th, it will be too low for viewing as it begins its next journey between Earth and the sun—in the fast lane, of course.

Recently, astronomers got a surprise when they found evidence of ice on Mercury, the closest planet to the sun. Apparently the ice has survived in depressions where permanent shadows exclude the sun. With scant atmosphere to distribute heat over the planet's surface, the ice probably has a long-term lease.

Jupiter, ever the bright planet, comes out in the south after sunset. East of Spica, in Virgo, and south of Arcturus, in Bootes, Jupiter outshines everything in the night sky except Venus.

The morning offers Saturn and Mars, both much fainter than the evening planets. Saturn, now gracing the dim constellation Aquarius, rises earlier every day and crosses into the evening sky in mid-month. By July 1st it will rise shortly after 11 p.m. A small telescope will reveal its rings, which are tilted only 5 degrees from edgewise.

Mars works its way through the wee hours in the constellation Aries. The red planet rises about 3 a.m. on the 1st, 2 a.m. by month's end. Look for it low in the east before dawn.

The moon wanes away to the new phase on the 9th, then begins its next march through the western sky. On the 11th, the young moon and Venus will form a semicolon in the sky, and on the 18th, the fattening disk will rise between Spica and Jupiter. The full moon arrives after moonset the morning of the 23rd. This moon has been called the strawberry moon by Indian tribes who linked it to the annual appearance of the small red fruit. Watching the full moon rise can be especially pleasurable this time of year because of its soft appearance against the pale, watery blue eastern sky.

Riding high this month are Bootes, the herdsman, and its companion, Corona Borealis, the northern crown. Bootes, the kite-shaped constellation, features the brilliant orange star Arcturus. One of the fastest-moving stars, Arcturus' orbit takes it above, below and through the plane of the Milky Way's bright disk. Currently, the giant star is about 36 light-years away.

Corona Borealis hangs in the sky just east of Bootes, its bright star Alphecca standing out like a jewel. Its name stems from the crown the wine god Bacchus gave the Cretan princess Ariadne, who helped Theseus defeat the monstrous Minotaur in the maze. Theseus abandoned Ariadne as the two were making their way to Greece, but she then wed Bacchus and bore several children.

Summer begins with the solstice at 9:48 a.m. CDT on the 21st. At that moment the sun reaches its highest point in the northern sky, directly over the Tropic of Cancer.

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

Contact: Deane Morrison, (612) 624-2346

5/24/94

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PUCKETTS FUND NEW U OF M SCHOLARSHIP FOR MINORITIES

- Future Hall of Famer and wife contribute \$250,000
- Puckett Scholars Program has \$1 million goal
- News conference and ceremony Friday, May 27

Minnesota Twins outfielder Kirby Puckett and his wife, Tonya, are giving \$250,000 to the University of Minnesota to create an endowed scholarship fund for students of color. The gift will create the Puckett Scholars Program, which will award scholarships of \$3,000 annually for up to five years for Minnesota students who have financial need and demonstrated potential to succeed at the university. Each scholarship recipient will be assigned a university mentor, and bonuses will be awarded annually to those who earn a grade point average of 3.0 or above. The first four Puckett Scholarships will be awarded for the 1994-95 school year.

The Pucketts will be honored in a ceremony at **12:30 p.m. Friday, May 27, on Northrop Plaza**. In case of rain, the ceremony will be moved to Northrop Auditorium. The ceremony will be preceded by a news conference with the Pucketts at **noon in 238 Morrill Hall**.

"Tonya and I both believe strongly in the importance of education in building a better world for our children," said Puckett. "We love kids, and we're thrilled that we can help provide college educations for some of these deserving students. We also view this gift as a way to give something back to a community that has been so wonderfully supportive of us."

"It's critical as we pursue *University 2000*, our long-range strategic plan, that we find ways of working with others in the community to recruit high-ability students and give them the support they need to succeed," said university President Nils Hasselmo. "We are delighted with the Pucketts' leadership in creating this program. It enables us to attract and support outstanding minority students, which is a central objective under *University 2000*."

To build the fund, the Pucketts' gift will be matched with \$250,000 from an anonymous bequest to the University of Minnesota Foundation. In addition, Twin Cities-based Wilsons The Leather Experts will give \$50,000 and has pledged another \$100 for each hit Kirby has this season. (He has averaged 200 per season in his 10-year career.) The goal is to build the endowment to \$1 million, which would permit about 13 students to receive Puckett Scholarships every year.

“When Kirby mentioned this idea to me, I saw his excitement for helping students,” said Joel Waller, CEO of Wilsons The Leather Experts. “We are pleased to add to his gift with the hope that others in the community will help make this one of the nation’s top scholarship programs.”

Contact: Bill Brady, University News Service, (612) 625-8510
Linda Berg, University Foundation, (612) 624-4897
Bobby Van Buren, Minnesota Twins, (612) 375-7497

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FACT SHEET

■ The Program

- The Puckett Scholars Program creates an endowment fund for annual scholarships to incoming University freshmen who are students of color. The first scholarships will be awarded for the 1994-95 school year.

■ Eligibility and Selection

- Any person of color from Minnesota who meets the University's admissions criteria and is pursuing a bachelor's degree is eligible. Preference is given to high school seniors with potential to succeed at the collegiate level and demonstrated financial need. To receive awards beyond the first year, each Puckett Scholar must earn at least 12 academic credits per quarter and show satisfactory academic progress.
- The University's Office of Admissions and Office of Minority Affairs will identify, review, and select minority applicants for the Puckett Scholars Program.

■ Scholarship Awards

- Each Puckett Scholar will receive \$3,000 for the first year at the University. This will be renewable annually for up to four additional years for a base award of up to \$15,000 per student.
- A merit supplement of \$1,000 will be awarded to any Puckett Scholar who earns a GPA of 3.0 to 3.49 the prior academic year at the University; \$2,000 will be awarded to those who earn a GPA of 3.5 to 4.0.
- To ensure the awards continue to represent a meaningful proportion of the cost of attending the University, the base award and merit supplement will be reviewed and adjusted periodically.
- To encourage academic progress, the University will assign each Puckett Scholar a mentor for general guidance and support. Puckett Scholars who are juniors and seniors will serve as mentors to other Puckett Scholars.

(Over)

Fact Sheet

Puckett Scholars Program

Page 2

■ Funding and Management of the Endowment Fund

- Kirby and Tonya Puckett are providing the lead gift of \$250,000 to set up the endowment fund. This gift will be matched with \$250,000 from an anonymous bequest to the University for the purpose of helping minority students. Remaining monies to build the endowment to its \$1 million goal will be raised from other individuals and organizations.
- The endowment fund will be managed by the University of Minnesota Foundation. The Foundation is a nonprofit corporation managed by an independent board of trustees. It manages \$300 million in endowments and helps raise about \$60 million annually for the University.

■ Contact

- Linda Berg, University of Minnesota Foundation, (612) 624-4897

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JAMES CRAMER TO SPEAK, ACCEPT AWARD AT U OF M ARCHITECTURE COMMENCEMENT JUNE 11

Nationally recognized architectural adviser and strategist James Cramer will speak at the University of Minnesota College of Architecture and Landscape Architecture's commencement at 2 p.m. Saturday, June 11, in the Architecture Building on the Minneapolis campus.

During the ceremony, Cramer will receive the school's Distinguished Service Award in recognition of his architectural vision and efforts to raise the awareness and understanding of design professions.

The McLean, Va., resident is CEO emeritus of the American Institute of Architects and former publisher of the national publications *Architectural Technology* and *ARCHITECTURE* and the Minnesota-based *Architecture Minnesota*.

Cramer is also former president and current director of the American Architectural Foundation, founder and director of the American Design Council, director of the National Building Museum and director of the Society of Architectural Historians. He is the author of *Design Enterprise: The Competitive Advantage Through Design*, to be published this September.

Contact: Nina Shepherd, News Service, (612) 624-0214

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BENSON, BERMAN AND VOLBERDING TO RECEIVE U OF M ALUMNI AWARD

Pathologist Ellis Benson, cardiologist Reuben Berman, and AIDS researcher and clinician Paul Volberding will receive the University of Minnesota's Outstanding Achievement Award, the university's highest alumni award, at the Medical School's June 3 commencement.

Benson, a 1945 graduate of the university's Medical School, has been a professor of laboratory medicine and pathology at the university since 1966. From 1966 to 1989, he was head of the department. Between 1950 and 1966, he was an instructor, assistant professor, and then associate professor of laboratory medicine and pathology. He is responsible for implementing the university's nationally respected doctoral program in experimental pathology. Benson also is internationally recognized for his research in the biochemistry of muscle contraction.

Berman, a 1932 graduate of the university's Medical School, is best known for his founding of the Berman Center for Clinical Research in Minneapolis during the 1960s. The center has gained a reputation as an exemplary "town and gown" relations in medicine. Berman spent the bulk of his career at the old Mount Sinai Hospital in Minneapolis, earning national recognition for his work in community-based population studies to control and prevent hypertension and heart disease. A longtime supporter of the university's Medical Foundation, Berman served as its president from 1978 to 1980.

- OVER -

Volberding, professor of medicine and director of the internationally renowned Center for AIDS Research at the University of California, San Francisco, is a 1975 graduate of the Medical School. He is currently chief of clinical oncology and head of the AIDS program at San Francisco General Hospital. He has been a full professor since 1990 at the University of California, starting as a clinical fellow in hematology/oncology in 1978.

Volberding was one of the first physicians in the world to establish a specific AIDS unit in a hospital, and is one of the founders of the International AIDS Society, of which he is currently president. He was the leading investigator for the first study to determine if early therapy with the now commonly used drug AZT might delay the development of full-blown AIDS in people who are infected with the AIDS virus but show no symptoms of the disease.

Contact: Mary Stanik, (612) 624-4604

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WAGON TRAIN BENEFITING U OF M DIABETES RESEARCH TO LEAVE IRONTON JUNE 4

A covered wagon train benefiting University of Minnesota diabetes research will leave Ironton, Minn., at 8 a.m. Saturday, June 4 for a 777-mile journey to Nevada, Mo.

The ride, scheduled to end July 16, will be led by Howard and Mary Lou Emmert of Deerwood, Minn., who lost their 34-year-old daughter, Marie Straughen, to diabetes in 1992. The Emmerts, long-time covered wagon enthusiasts, led a benefit wagon train ride from Ironton to Kalkaska, Mich., last summer.

The southwest route will proceed along county roads and highways through small towns in Minnesota, Iowa, and Missouri. For detailed directions, call Howard Emmert at (218) 764-3432.

Special festivities are planned for June 5, at the stockyards in Pierz, Minn., and June 30, in Mount Ayr, Iowa.

Contact: Mary Stanik, (612) 624-4604

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Contact: Mary Stanik, (612) 624-4604

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CLEM HASKINS TO HOST ALUMNI EVENT IN MANKATO

University of Minnesota men's basketball coach Clem Haskins will host an evening with the Mankato area chapter of alumni and friends at 7:30 p.m. Wednesday, June 8, in the conference center at the South Central Technical College in North Mankato.

Haskins, head coach of the university's men's basketball team since 1986, has led the Gophers to three NCAA tournament appearances and the 1993 NIT title. He is a former NBA standout and college All-American at Western Kentucky University.

The event is free and open to the public, but advance tickets are required. Tickets will be available beginning Wednesday, June 1, at Mapleton Drug in Mapleton, or at the Blue Earth County extension office in Mankato. Call Ron Hartmann at (507) 524-4009 for ticket information.

Contact: Rachel Pocras, alumni association, (612) 626-2592

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CLINTON TECHNOLOGY OFFICIAL IS SPEAKER FOR U OF M INSTITUTE OF TECHNOLOGY COMMENCEMENT

Arati Prabhakar (AR-a-thee Pra-BOCK-er), director of the Commerce Department's National Institute of Standards and Technology (NIST), will speak at the University of Minnesota Institute of Technology commencement at 7 p.m. Friday, June 3, in Northrop Auditorium on the Minneapolis campus.

Formerly the National Bureau of Standards, NIST is playing a growing role in the government's long-term economic growth strategies. "Our mission," says Prabhakar, "is to promote economic growth by working with industry to develop and apply technology, measurements and standards." NIST operates a number of technology programs designed to help U.S. industry. The Clinton Administration plans to increase NIST's budget substantially by 1997 to expand the agency's portfolio of technology-based tools.

Born in New Delhi, India, Prabhakar moved with her family to the United States at age 3. She received her bachelor's degree from Texas Tech University in 1979, her master's from the California Institute of Technology (CalTech) in 1980 and, in 1984, became the first woman to receive a doctorate in applied physics from CalTech.

Before President Clinton appointed her as NIST director in 1993, she served for two years as director of the Microelectronics Technology Office in the Defense Department's Advanced Research Projects Agency, where she championed investment in "dual-use" technologies; that is, technologies with both military and civilian applications.

Prabhakar, at 35 the youngest director in NIST's 93-year history, has a reputation as an effective communicator. "There is a sincerity and a casualness, a freshness and an astuteness that are absent from many a Washington bureaucrat," reported the *Spectrum*, a publication of the Institute for Electrical and Electronics Engineers. "Her exuberance can make topics like the standard volt seem thrilling."

**Contacts: Bill Brady, University News Service, (612) 625-8510
or Marilyn Scapanski, (612) 626-9385**

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MINNEAPOLIS MAYOR SHARON SAYLES BELTON TO SPEAK AT U OF M COLLEGE OF EDUCATION COMMENCEMENT JUNE 6

Sharon Sayles Belton, who rose from struggling single mother to the first African American and first female mayor of Minneapolis, will deliver the keynote address and receive a Distinguished Achievement Award at the University of Minnesota College of Education commencement at 7:30 p.m. Monday, June 6, in Northrop Auditorium on the Minneapolis campus.

The College's third annual Distinguished Achievement Award is being given to Sayles Belton for "outstanding leadership and public service and for contributions that have significantly advanced the welfare and education of children in the community," according to the plaque that will be presented by College of Education Dean Robert Bruininks.

Before her election as mayor last November, Sayles Belton was the first African American woman elected to the City Council in 1983, and the first African American to become council president in 1989. Among the many children's initiatives she sponsored was the *Success by Six/Way to Grow* program, designed to give young children the physical, mental and emotional nurturing they need to be productive students later on.

Sayles Belton's civic activism dates back to her high school days, when she was a volunteer at Mount Sinai hospital. After graduating from Macalester College, she became active in the civil rights movement, busing to Jackson, Miss., to help with voter registration. The mother of a developmentally disabled daughter, Sayles Belton has served on the Metropolitan Task Force on Developmental Disabilities; she has also been on the boards of such community organizations as the Affordable Day Care Coalition, Children's Theater and the United Way.

About 300 students are expected to receive degrees in Monday's graduation ceremony.

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or Kate Tyler, College of Education, (612) 625-4874**

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GORBACHEV SCIENCE ADVISER TO SPEAK ON SCIENCE, KGB FRIDAY

Physicist Roald Sagdeev, former science adviser to Mikhail Gorbachev, will deliver a talk titled *On the history of nuclear bombs and espionage: great scientists against KGB spymasters* at 3:30 p.m. Friday, June 3, in room 435 of the physics building at the University of Minnesota. Sagdeev, a plasma physicist, is currently a professor at the University of Maryland.

Contact: Deane Morrison, (612) 624-2346

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FRANK THISTLETHWAITE TO RECEIVE HONORARY DEGREE FROM U OF M

Frank Thistlethwaite, former fellow and lecturer of history and economics at St. John's College, Cambridge University, and founding vice-chancellor of the University of East Anglia, will receive an honorary Doctor of Science degree at 4 p.m. Sunday, June 12, at the College of Liberal Arts commencement ceremony in Northrop Auditorium. Thistlethwaite receives the honorary degree for his role as a pioneer in establishing the academic legitimacy of American studies in the British Isles and Europe.

Thistlethwaite was a Commonwealth Fund Fellow in American History at the University of Minnesota from 1938-1940. In addition to his numerous contributions to American studies, Thistlethwaite has written two important works in the field: *The Great Experiment: An Introduction to the History of the American People* (1955) and *America and the Atlantic Community: Anglo-American Aspects, 1790-1850* (1948). He has been described as having a "crusading zeal to enhance the knowledge and understanding of America among the opinion-forming classes of Britain in general and her universities and colleges in particular."

"Professor Thistlethwaite has had an especially important impact on the field of Anglo-American studies, both in the United States and Europe," said George Pozzetta, professor of history at the University of Florida. "It is not too much to say that our understanding of immigration and ethnicity would be far the poorer without his presence."

Contact: Mike Nelson, News Service, (612) 626-7701

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U OF M HOSTS 45TH INTERNATIONAL AGRICULTURAL EXCHANGE STUDENT REUNION

More than 100 former international exchange students of agriculture will gather for the 45th anniversary celebration of the Minnesota Agricultural Student Trainee/Practical Agricultural Reciprocal Trainee (MAST/PART) program on the University of Minnesota's St. Paul campus Friday, July 8, through Sunday, July 10. While in the Twin Cities, the international visitors will tour Minnesota agribusinesses, farms and horticultural operations.

Each year, the MAST/PART program places more than 200 men and women from more than 30 countries on Minnesota farms and agricultural sites to learn new agriculture and management skills. The practical, hands-on experience is followed by three months of study at the university's College of Agriculture. More than 3,000 trainees have participated since the program began in 1949.

Administered by the Minnesota Extension Service, the College of Agriculture and participating countries, MAST/PART aims to improve global understanding through international exchange.

For an agenda of reunion activities or registration call Sandee Kelsey at (612) 625-9225.

Contact: Nina Shepherd, News Service, (612) 624-0214

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U OF M TO HOST NATIONAL HANDBALL TOURNAMENT

The University of Minnesota will host the 1994 United States Handball Association's 44th national tournament from Saturday, June 18, through Saturday, June 25, at the University Recreation Center on the Minneapolis campus.

More than 850 of the best amateur players from the United States, Canada, Mexico and Ireland will play in one or more of 39 skill and age divisions for men, women, girls and boys. The tournament will also feature play in the professional division, with the country's top professionals participating. Amateur matches begin June 18; professional matches begin June 21.

The recreation center is located at 1906 University Ave. S.E. in Minneapolis. For more information call (612) 625-9037.

Contacts: Bob Smith, United States Handball Association, (612) 667-3517

Karen Lovro, University Recreation Center, (612) 625-6800

Mike Nelson, University News Service, (612) 626-7701

6/7/94 mn

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U OF M REGENTS TO GET LOW-DOWN ON HIGH-TECH

- University's information technology initiatives to be reviewed
- President's staff reorganization also to be discussed
- Monthly meetings Thursday and Friday, June 9 and 10

The University of Minnesota regents will take a ride on the information superhighway as part of their regular monthly meetings, Thursday and Friday, June 9 and 10.

Don Riley, associate vice president for computing and information technologies, will brief them on a number of computer-based initiatives under way at the university, including *Gopher*, a software that simplifies access to the worldwide computer web known as the Internet. *Gopher* software, designed by a team of university computer programmers, is now used in at least 7,000 systems in more than 60 countries, making it the seventh most popular Internet "on-ramp." Users include the Library of Congress, the World Health Organization and the White House.

Riley will report during the committee of the whole meeting Thursday morning. At the same meeting, the regents will discuss university President Nils Hasselmo's plan for restructuring central administration. Under the plan, the Twin Cities campus would be administered by provosts in three areas: arts, sciences and professional schools; agricultural, biological and environmental sciences; and the academic health center.

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

Thursday, June 9

- 8:15 a.m. Audit, 300 Morrill. Action on external auditor's contract.
- 10 a.m. Committee of the whole, 238 Morrill. Report on information technology initiatives; review of president's staff reorganization plan; Legislative Auditor's report on tuition rates and state financial aid availability.
 - 1:30 p.m. Facilities, 300 Morrill. Action on physics lab remodeling project.
 - 1:30 p.m. Faculty, staff and student affairs, 300 Morrill. Report on improvements in student recruitment.
- 3 p.m. Financial operations and legislative, 300 Morrill. Action on amendments to endowment fund investment guidelines.
- 3 p.m. Educational planning and policy, 238 Morrill. Report on possible changes in federal guidelines for recovering overhead costs in federally funded research.

Friday, June 10

- 8:30 a.m. Committee of the whole, 238 Morrill. Action on University Health Systems budget, discussion of *University 2000* critical benchmarks.
 - After committee of the whole: Board of Regents annual meeting, 238 Morrill. Meeting dates set for the upcoming year.
 - After annual meeting: Board of Regents, 238 Morrill.

Contact: Bill Brady, (612) 625-8510

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PETER RAPP NAMED GENERAL DIRECTOR OF U HOSPITAL AND CLINIC

Peter Rapp, chief operating officer of Medical College of Virginia Hospitals, has been named general director of the University of Minnesota Hospital and Clinic, pending approval by the University of Minnesota Health System's Board of Governors. Rapp is expected to begin his duties Aug. 15.

Rapp, who has held his present position for the past 10 years, was previously a hospital administrator at Vanderbilt University Hospital and at Ohio State University Hospital. He received a master's degree in health care administration from Northwestern University in 1974.

"I am very much looking forward to coming to the University of Minnesota," said Rapp. "Everyone knows about the difficult health care marketplace that exists in the Twin Cities, and I want to help properly position this area's major academic health care enterprise. Academic medical centers around the country are looking to the University of Minnesota for answers to the questions concerning the role of university hospitals in a reformed health care system. I am keenly interested in helping to find those answers."

"We are very fortunate to attract Peter Rapp to Minnesota," said Gregory Hart, University of Minnesota Health System president. "He is a first-rate hospital executive with the management skills needed to lead the University Hospital in our competitive health care environment. He also has a deep appreciation and respect for our teaching and research missions, given his extensive experience in academic health centers. I am very proud to have him join our health system management team."

The University of Minnesota Health System includes the 550-bed University Hospital and Clinic and the University of Minnesota Clinical Associates, the physician faculty's group practice.

Contact: Mary Stanik, (612) 624-4604

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U OF M RAPTOR CENTER TO BAND ENDANGERED FALCONS

The University of Minnesota's Raptor Center will examine and band 4 peregrine falcon chicks from 1 p.m. to 2:30 p.m. Friday, June 10, at the Colonnade Building located at 5500 Wayzata Boulevard in Minneapolis, on the Xenia-Park Place exit off I-394.

At 1 p.m. Raptor Center director Patrick Redig will be lowered from the roof of the building in a window-washing rig to remove the young birds from their nest. The chicks will then be taken down to the roof of the parking garage, where they will be examined and banded by Raptor Center staff. The birds will be returned to their nest by 2:30 p.m.

Established in 1972, the Raptor Center treats nearly 700 birds of prey each year. The center also conducts raptor research, works for raptor conservation and presents community education programs to raise awareness of raptor-related issues.

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

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DANIEL JOSEPH NAMED REGENTS' PROFESSOR AT U OF M

Daniel Joseph, professor of aerospace engineering and mechanics at the University of Minnesota, has been named a Regents' Professor, the institution's highest faculty distinction. His appointment fills the vacancy left by the retirement of English professor George Wright.

Established in 1965 by the Board of Regents, the Regents' Professorship recognizes faculty whose national and international eminence contributes directly to the university's reputation for excellence in education and research. Each receives an annual stipend of \$10,000, provided from voluntary contributions to the University of Minnesota Foundation.

Joseph, an expert in fluid mechanics, is a leader in studies of how water can serve as a lubricant for thicker liquids, such as crude oil, in pipelines. He earned a bachelor's degree in sociology from the University of Chicago and a bachelor's degree in mechanical engineering, a master's degree in mechanics and a doctorate in mechanical engineering from the Illinois Institute of Technology. He joined the university in 1963 as an assistant professor; in 1991 he was appointed the Russell J. Penrose Professor of Aerospace Engineering and Mechanics. Joseph is the only university faculty member to be elected to each of these three national honorary groups: the National Academy of Engineering (1990), the National Academy of Sciences (1991) and the American Academy of Arts and Sciences (1993). In 1990 he received the prestigious G. I. Taylor Medal from the Society of Engineering Science.

"I take great pleasure in getting the award because it's an award at my home—the university," said Joseph. "I'm particularly appreciative because I love the University of Minnesota, and I love the state of Minnesota," the Chicago native added.

Contact: Deane Morrison, (612) 624-2346

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UGANDAN PRESIDENT TO SPEAK, RECEIVE HONORARY DEGREE AT HUMPHREY INSTITUTE

Uganda President Yoweri Kaguta Museveni will speak on *Meeting the Responsibility for African Development* at 12:30 p.m. Thursday, June 23, in the Humphrey Institute atrium at the University of Minnesota. He will also receive an honorary doctorate in a ceremony before his speech.

Museveni has had the major and difficult task of reforming Uganda's economic policy and revitalizing an economy left in shambles by his predecessor, Idi Amin. Current policies and programs have reversed Uganda's economic decline: inflation is down by 10 percent, gross domestic product growth has consistently outstripped population growth, farm acreage has grown by 40 percent and Uganda is now self-sufficient in food production, exporting 71,000 tons in 1991. Museveni has been credited for advances in human rights, democratization, infrastructure improvement and private sector development in the eight years of his presidency.

The president also has had a primary role in peace negotiations in Rwanda, which borders Uganda to the south. More than 100,000 Rwandans are estimated to have been killed, and bodies dumped in rivers have been washing ashore in Uganda. Ugandan health officials have been forced to organize retrieval and burial operations and have warned Ugandans to boil drinking water and avoid fish from the affected rivers.

Museveni has also served as chair of the Organization of African Unity and of the Preferential Trade Area organization. His efforts have made him one of Africa's leading statesmen.

The Humphrey Institute is located at 301 19th Ave. S., on the west bank of the university's Minneapolis campus. To reserve a seat, call the institute at (612) 625-3471.

Contact: Gwen Ruff, (612) 625-1326

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MOUNDS PARK ACADEMY STUDENTS SET FREE; SO IS OWL FROM U OF M RAPTOR CENTER

Students at Mounds Park Academy in Maplewood will celebrate their release from school by setting free a great horned owl rehabilitated by the University of Minnesota's Raptor Center. The event will be held from 10:15 to 11 a.m. Wednesday, June 15, on the school grounds. More than 250 pupils from kindergarten through fourth grade will attend.

The owl was admitted to the center April 19 after being found in a yard in Blaine suffering from emaciation, a dislocated shoulder and a shotgun pellet in its left wing.

Mounds Park Academy is located at 2051 East Larpenteur Ave., just east of White Bear Avenue, in Maplewood. Raptor Center staff will present an educational program just before the release. For more information call MaryBeth Garrigan at (612) 624-3031.

A private, nonprofit organization established in 1974 within the university's College of Veterinary Medicine, the Raptor Center each year treats nearly 700 birds of prey, many of them endangered species.

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

6/14/94 dm

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CLIMATE TOPS AGENDA AT GEOLOGISTS' MEETING AT U OF M JUNE 19-22

Geologists will gather to ponder the mysteries of ice ages and other large-scale climate changes Sunday, June 19, through Wednesday, June 22, during the biennial meeting of the American Quaternary Association at the University of Minnesota in Minneapolis.

The Quaternary period of geologic time began 2 million years ago. It has been marked by repeated glaciation, volcanic activity, sea level changes and other disturbances. Scientists studying its history are concerned with explaining these phenomena in hopes of learning to predict climate based on today's patterns of weather and geologic occurrences. Quaternary geologists wrestle with some of the most puzzling questions in science, according to Kerry Kelts, director of the university's Limnological Research Center (LRC).

"Nature has already run hundreds of outrageous experiments with the global climate system over the last 2 million years," Kelts said. "We have experienced the growth and demise of some 22 ice ages. Why? How does the melting of ice in Minnesota affect the climate of Europe? How is it possible that average temperatures in Greenland can drop 7 degrees C within 20 years? Why does an El Nino off Peru bring calamity worldwide? Clues ... confirm that the natural system behaves [such that] if you push a little, nothing may happen until suddenly the whole system reorganizes."

Among the speakers will be Herbert Wright, former director of the LRC and internationally renowned expert in glacial and climate history, and William Ruddiman of the University of Virginia, who advanced the idea that the uplift of the Rocky Mountains and the Tibetan Plateau changed global atmospheric circulation so as to initiate continental glaciation. For more program information call Linda Shane at the LRC, (612) 626-7889; to register, contact Lori Graven, (612) 625-9023.

Contact: Deane Morrison, (612) 624-2346

6/15/94

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Marty Erickson is available for interviews now through Sunday at (612) 825-9496.

GORE, U OF M PRESENT CONFERENCE ON MEN'S ROLE IN FAMILY

The University of Minnesota's Children, Youth and Family Consortium will co-sponsor *Family Re-Union III: The Role of Men in Children's Lives*, a national conference on family policy moderated by Vice President Al Gore on Monday, July 11, in Nashville, Tenn. The other sponsor will be the Tennessee Department of Human Services.

This is the third annual conference on family issues that Gore has moderated. The first was organized by Gore, along with his wife Tipper, when he was still a senator from Tennessee. This year's conference will feature major national figures and experts from across the country, including the Rev. Jesse Jackson and Tennessee Gov. Ned McWherter.

The consortium's sponsorship is an outgrowth of a February meeting between the vice president and consortium director Martha Erickson at which Erickson described the work of the consortium and offered to serve as a resource on child and family issues. In subsequent meetings, they discussed co-sponsoring the conference and coordinating follow-up activities, using the consortium's Electronic Clearinghouse to disseminate information nationwide.

The conference will be held in the Tennessee Performing Arts Center's Polk Theater. Discussions will center on factors that support or hinder men's involvement in children's lives and strategies for getting men involved in more effective ways. At the end of the day, a group of policy-makers from varying levels of government will respond to what they've heard and discuss possible government policies to make it easier for men to be involved in positive ways in children's lives.

The Children, Youth, and Family Consortium, established in 1991, is an umbrella organization encompassing all university colleges and departments whose work involves children and families, plus a number of related organizations throughout Minnesota. The consortium has developed a nationwide reputation as a leader in linking research on families to practice and policy.

Erickson is an internationally recognized expert on early development, parent-child relationships and child abuse prevention. She has written numerous journal articles and book chapters on early childhood intervention and, with her group *Free Spirit*, has recorded two CDs of original songs on parent-child relationships.

Contact: Bill Brady, (612) 625-8510

6/17/94

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UNIVERSITY OF MINNESOTA JULY STARWATCH

by Deane Morrison

The July 4th fireworks will hardly have faded when the long-awaited collision between Jupiter and Comet Shoemaker-Levy produces its own fiery spectacle. Although a couple of spacecraft will have a bird's-eye view of the event, astronomers will largely have to settle for indirect studies because the comet fragments will collide with the dark side of the planet. Nevertheless, Jupiter remains brilliant to watch, a bright yellow beacon in the south-southwest after sunset.

Jupiter and the comet had their first encounter in July 1992, when the huge planet's gravity tore the smaller body to pieces. But the comet wasn't discovered until March 1993, after which astrophysicists figured out its history and determined that it was fated to crash into Jupiter this month. The first fragment of the comet will hit Jupiter on the 16th, the last on the 22nd.

Because the masses of the fragments aren't known with certainty, it's hard to predict how the collisions will affect Jupiter. The impacts could cause explosions equivalent to 200,000 megatons of TNT, but this won't be enough to change Jupiter's orbit. The impacts may disturb the planet's upper atmosphere, however, and such disturbances could be visible when the impact sites rotate into view. If they occur, distortions of the Jovian atmosphere or flashes of light from the planet during the collisions may help us understand Jupiter's structure. The event will engage astronomers from around the world, including University of Minnesota astrophysicists, who will study the impacts in infrared and radio wavelengths. In addition, astronomers hope NASA's Voyager 2 and Galileo satellites will detect something, as both will have a direct view of the impact sites.

While Jupiter may put on the best show for telescopes, Venus remains the brightest "star" from an earthbound perspective. The luminous planet shines in the west after sunset. In mid-month, Regulus, the brightest star in Leo, approaches Venus from the east, coming within one degree of Venus on the 10th. After that, Regulus will appear farther and farther below Venus in the evening sky until it all but disappears in the twilight.

Saturn rises about 11 p.m. on the 1st, 9 p.m. by the 31st. The ringed planet, now in Aquarius, should be easy to find because it doesn't have much competition in its area of the sky. Late in the month it will rise before Venus sets, so during that time Saturn, Jupiter and Venus will be briefly strung from east to west across the sky after sunset.

Mars, now well up in the predawn sky, slips through the stars of Taurus. Early in the month, the red planet rises between the Pleiades and Hyades star clusters. Over the next two weeks Mars will pass over Aldebaran, the eye of the bull, moving eastward with respect to the backdrop of stars. Mars will come up earlier every morning, but won't make it into the evening sky until September.

Mercury, the fastest of planets, makes a brief appearance in the morning sky, reaching its highest point on the 17th. Look for it just before dawn, very low to the east of Mars and Aldebaran. Mercury will quickly drop out of sight as it heads around the far side of the sun.

The moon, too, does its part to ornament the skies. On the 5th, the waning crescent joins Mars, the Pleiades and the Hyades in the morning sky. The new moon arrives on the 8th, and the young crescent appears with Venus and Regulus on the 11th. The first quarter moon passes close below Spica, in Virgo, on the 15th and Jupiter on the 16th. On the 22nd comes the full buck moon, so named by some Indian tribes for male deer, whose antlers are now covered with "velvet."

Wheeling into prominence this month, the very recognizable constellations Scorpius and Sagittarius lift up above the horizon to the southeast. Scorpius, shaped like a large "J," extends its claws toward Jupiter. The heart of the scorpion is marked by Antares, the "rival of Mars," a red supergiant star about 500 light-years away. Sagittarius, traditionally depicted as a centaur drawing his bow, contains both the famous Teapot star grouping and three nebulas: the Lagoon, the Horseshoe and the Trifid. The center of the Milky Way galaxy lies below the horizon in Sagittarius.

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

Contact: Deane Morrison, (612) 624-2346

6/21/94

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U OF M'S EIGHTH ANNUAL TURTLE DERBY IS THURSDAY, JUNE 23

Turtles will race for the title of *Grandest Turtle of All* Thursday, June 23, at the eighth annual Turtle Derby Day at the University of Minnesota Hospital and Clinic-Variety Club Children's Hospital.

The derby will begin at 10:30 a.m. on the hospital's Diehl Plaza, with the final races at about 12:30 p.m. Turtles are sponsored by university departments, and all proceeds benefit the Child-Family Life Services at the University of Minnesota Hospital and Clinic.

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

Contact: Mary Stanik, Health Sciences Public Relations, (612) 624-4604

6/21/94 ns

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UGANDAN PRESIDENT TO MEET WITH REPORTERS AT U OF M'S HUMPHREY INSTITUTE

Uganda President Yoweri Kaguta Museveni will meet with reporters at 1:40 p.m. Thursday, June 23, in the Humphrey Forum, the interactive exhibit at the University of Minnesota's Humphrey Institute. The news conference will follow Museveni's 12:30 p.m. speech on *Meeting the Responsibility for African Development* in the Humphrey Institute atrium. He will also receive an honorary doctorate in a ceremony before his speech.

Museveni has had the major and difficult task of reforming Uganda's economic policy and revitalizing an economy left in shambles by his predecessor, Idi Amin. Current policies and programs have reversed Uganda's economic decline – inflation is down by 10 percent, gross domestic product growth has consistently outstripped population growth, farm acreage has grown by 40 percent and Uganda is now self-sufficient in food production, exporting 71,000 tons in 1991. Museveni has been credited for advances in human rights, democratization, infrastructure improvement and private-sector development in the eight years of his presidency.

The president also has had a primary role in peace negotiations in Rwanda, which borders Uganda to the south. Several hundred thousand people in Rwanda are estimated to have been killed, and bodies dumped in rivers have been washing ashore in Uganda. Ugandan health officials have been forced to organize retrieval and burial operations and have warned Ugandans to boil drinking water and avoid fish from the affected rivers.

Museveni has also served as chair of the Organization of African Unity and of the Preferential Trade Area organization. His efforts have made him one of Africa's leading statesmen.

The Humphrey Institute is located at 301 19th Ave. S., on the west bank of the Minneapolis campus.

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

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FIRST U OF M PUCKETT SCHOLARSHIP WINNERS TO BE HONORED AT TWINS GAME FRIDAY NIGHT

Four high-achieving minority students have been named the first University of Minnesota Puckett Scholars and will be honored before the Twins game against the Kansas City Royals at 6:30 p.m. Friday, June 24, at the Metrodome.

The winners are:

- **Reedus Berry, Minneapolis**, an African American from Patrick Henry High School who plans to major in engineering;
- **Kathryn Bracho, Excelsior**, a Mexican American from Mound Westonka High School who plans to major in journalism;
- **Jaime Sargent, Minneapolis**, a Minnesota Chippewa from Edison High School who plans to major in human ecology;
- **LaReisha Suggs, Brooklyn Park**, an African American from Champlin Park High School who plans to major in psychology.

All four will begin studies at the university in the fall with help from the Puckett Scholars program, which provides scholarships of \$3,000 annually for up to five years, with bonuses awarded to those who keep their grade point averages at 3.0 or above. Each will be assigned a university mentor, and each will be encouraged to become a mentor for a future Puckett Scholar.

The Puckett Scholars program was started with a \$250,000 donation from Twins outfielder Kirby Puckett and his wife, Tonya, matched by an anonymous bequest to the University of Minnesota Foundation and \$50,000 from Wilsons The Leather Experts, who have pledged an additional \$100 for every hit Kirby Puckett gets this season. The goal is to build the endowment to \$1 million, which would permit up to 15 students to receive Puckett Scholarships every year. The scholarships go to students of color from Minnesota who have financial need and a demonstrated potential to succeed at the university.

Contact: Bill Brady, (612) 625-8510

6/22/94

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OTHER THAN THAT, WHY DID WE GO TO THE MOON? U OF M SOURCES ON MOON LANDING

Americans didn't put men on the moon just to impress the Russians and bring the country together; the scientific goals were at least as compelling. First and foremost was figuring out how the moon was formed. Astronauts were trained in the identification of rocks so they could collect samples that would reveal the most about lunar origins and geology. Four University of Minnesota professors can talk about the science of Apollo 11 and subsequent missions:

- Robert Pepin, physicist. Starting with Apollo 12, Pepin was on the NASA committee that decided on the distribution of lunar rocks. Starting with Apollo 14, he planned scientific activities on the lunar surface, including general sampling procedures. He occasionally went on field training exercises with the astronauts. He had "science adviser" status in Mission Control and was director of the Lunar Science Institute in Houston 1974-77. Pepin will be on campus until July 20 at 624-0819.

- Rama Murthy, geologist. Murthy was involved in the Apollo 11 through 17 missions, determining ages of lava flows in the lunar *maria*. The goal was to understand how collisions that pockmarked the moon distributed material around its surface. Murthy dated lava flows to 3.8 billion years in the Sea of Tranquillity and 3.3 billion years from the Ocean of Storms (Apollo 12). He says the most accepted theory for the moon's origin involves a Mars-sized object that hit the young Earth and took off some of the mantle, which then coalesced to form the moon. Murthy is on campus at 625-6836 until July 10.

- Edward Ney, physicist and astronomer. Ney worked with the three Apollo 11 astronauts when they were in the Gemini program, designing cameras to capture the airglow (a bright line on the horizon, as seen from space) and the zodiacal light (a thin line of light caused by dust particles in the plane of Earth's orbit). He has plenty of good stories, including observations of Neil Armstrong's particular strengths. Ney will be on campus until July 15 at 624-4392.

- Paul Weiblen, geologist. Weiblen, who also served on the NASA committee that decided on the distribution of lunar rocks, analyzed minerals found in rocks from all the lunar landings. He has supplied NASA, the Japan Space Agency and others with simulated lunar dust that can be used for experiments in growing food in lunar soil, extracting oxygen from lunar rocks or other lunar simulations. The material was made by grinding up rocks of the same types as are found on the lunar surface. Except for July 8 through 17. Weiblen is on campus at 625-3477.

Contact: Deane Morrison, (612) 624-2346

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**Media note: Marti Erickson is available for interviews at 825-9496.
Rich Weinberg is at 624-3575. Oliver Williams is at 624-0873 or 699-0512.
(All area codes are 612)**

MINNESOTANS TO BE PROMINENT AT NATIONAL CHILDREN'S CONFERENCE

Former Minneapolis Mayor Don Fraser is among a number of Minnesotans invited to join Vice President Al Gore and his wife, Tipper, at *Family Re-Union III: The Role of Men in Children's Lives*, a national conference on family policy, on Monday, July 11, at the Tennessee Performing Arts Center in Nashville. Sponsored by the University of Minnesota's Children, Youth and Family Consortium and the Tennessee Department of Human Services, this is the third in a series of family policy conferences moderated by the vice president.

The conference will include:

☐ **a men's forum**, at which Vice President Gore will moderate a panel of 30 men of various backgrounds and discuss factors that support or hinder them in being a part of their children's lives. Minnesotans included in the forum will be **Richard Weinberg**, director of the university's Institute of Child Development; **Oliver Williams**, assistant professor of social work at the university who studies family roles of African-American men; **Dwaine Simms**, parent educator in the Young Dad's program of MELD, a Minneapolis parent-education organization; **Lowell Johnson**, parent educator in the Dad and Me program of White Bear Lake school district's Early Childhood Family Education program.

☐ **a women's forum**, in which women will discuss how they see the role of men in families. Invited to the women's forum, to be moderated by Tipper Gore, is **Patricia Torres Ray**, director of the Office of Ombudsperson for Families in the State of Minnesota's Spanish speaking Affairs Council.

☐ **and a policy forum**, in which people from federal agencies and representatives of city and state governments will respond to what they've heard and propose policy changes to bring men into children's lives in a positive way. Invited to the forum are **Don Fraser**, former Minneapolis mayor now working on family issues for the Department of Housing and Urban Development, and **State Sen. Jane Ranum** of south Minneapolis, chair of Legislative Commission on Children, Youth and Families.

Martha Erickson, director of the Children, Youth and Family Consortium, will give the conference's opening remarks and her group, *Free Spirit*, will perform songs about parent-child relationships at lunch hour, prior to a keynote address by the Rev. Jesse Jackson. The day will conclude with a joint discussion among all the participants, moderated "Donahue-style" by Vice President Gore.

Contact: **Bill Brady, (612) 625-8510**

7/1/94

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U OF M ALUMNI ASSOCIATION, RAPTOR CENTER EVENT IN ST. CLOUD

The University of Minnesota Alumni Association and the university's Raptor Center will present a program featuring a live bald eagle and other birds of prey at 2 p.m. Saturday, July 9, as part of the *Wheels, Wings and Water* festivities at Lake George in St. Cloud.

Raptor center staff and volunteers will make presentations, answer questions and showcase a variety of birds of prey.

Established in 1972, the Raptor Center treats nearly 700 birds of prey each year. The center also conducts raptor research, works for raptor conservation and presents community education programs to raise awareness of raptor-related issues.

For information about joining the University of Minnesota's St. Cloud Area Alumni Chapter, call Rachel at (800) 862-5867.

Contact: Rachel Pocras, Alumni Association, (612) 626-2592

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

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**TIM PENNY'S CHIEF OF STAFF HIRED AS EXECUTIVE DIRECTOR
FOR U OF M BOARD OF REGENTS OFFICE**

Steven Bosacker, chief of staff to U.S. Representative Tim Penny of southeastern Minnesota, has been hired as executive director and corporate secretary to the University of Minnesota Board of Regents, effective Aug. 1.

The executive director and corporate secretary administers the operation of the regents' office, manages the monthly meeting agenda, serves on the president's cabinet and acts as a liaison between the board and central administration. Bosacker, a native of Waseca, succeeds Barbara Muesing, who recently was named director of outreach for the University of Minnesota, Crookston.

Most of Bosacker's career has been in the public sector. Before becoming Penny's chief of staff in 1992, he had served as Penny's political director, legislative assistant and assistant campaign manager. He also has been on the staff of the Washington, D.C.-based Congressional Management Foundation and was a campaign adviser for the Scottish Liberal Party during the 1987 British general election. Bosacker received a bachelor's degree from Metropolitan State University in 1983 and has done graduate work in public administration at the University of Massachusetts at Amherst.

"Mr. Bosacker joins the university after a highly competitive search process," said Jean Keffeler, chair of the board. "In his current job, he has had many occasions to work with the University of Minnesota as well as other higher education institutions here and across the nation. On behalf of the university, we welcome Steve back to Minnesota."

"It's an exciting time to be joining the university team," said Bosacker. "I look forward to working with the Board of Regents and the administration."

Contact: Bill Brady, (612) 625-8510

7/5/94

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U OF M HUMPHREY INSTITUTE SPONSORS IRISH PRIME MINISTER SPEECH

Irish Prime Minister Albert Reynolds will speak on his country's peace negotiations in a public address sponsored by the university's Humphrey Institute at noon, July 12, in the Ted Mann Concert Hall, adjacent to the School of Music at 2106 Fourth St. S. in Minneapolis.

Reynolds and British Prime Minister John Major signed a joint declaration for peace and reconciliation in Ireland in December. The declaration's central idea is that "the problems of Northern Ireland, however deep and intractable, however difficult to reconcile, have to be resolved exclusively by political and democratic means." It acknowledges that the most urgent issue facing the people of Ireland and Northern Ireland is "to remove the causes of conflict, to overcome the legacy of history and to heal the divisions which have resulted."

Reynolds and Major had worked together as European Community (EC) finance ministers before Reynolds was elected Irish prime minister in 1992. Reynolds is also the leader of the Fianna Fail (or Republic) Party.

As finance minister, Reynolds kept a tight rein on government spending and reduced government borrowing. He cut income taxes substantially, the first finance minister to do so in 20 years, according to Ireland's National Treasurer's office.

As a result, the Irish economy achieved record growth in 1989 to 90, at a time when the economy of Great Britain, its nearest neighbor and trading partner, shrank. In 1992, against a background of worldwide recession, the Irish economy grew by 2 percent, according to the treasurer's office. Irish inflation remains among the lowest in the EC.

Reynold's speech is free and open to the public. Tickets are available by calling (612) 625-6688 or 625-3471. Tickets are also available at the Humphrey Institute, rooms 130 and 307, and at the Coffman Union Information Desk. Parking is available in the West Bank Parking Ramp, approximately one block southwest of the concert hall. The lecture is co-sponsored by the University of Minnesota Law School, the Humphrey Institute's Center for Conflict and Change and the Minnesota International Center.

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

7/6/94 mn

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U OF M TO SPONSOR ALLERGY INFORMATIONAL MEETING JULY 23

Adult asthmatics interested in participating in asthma medication studies are invited to an informational meeting Saturday, July 23 from 10 a.m. to noon at the University of Minnesota, 2-530 Malcolm Moos Tower, 515 Delaware St. S.E., on the university's Minneapolis campus.

Free diagnostic lung function tests will be offered before and after the meeting, at 9:30 a.m. and again at noon. For more information, call Dawn Snow at (612) 624-0133.

Contact: Mary Stanik, Health Sciences, (612) 624-4604

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U OF M TO HOST NATIONAL PUPPETRY FESTIVAL

The University of Minnesota will host the Puppeteers of America's National Puppetry Festival Wednesday, July 13 through Sunday, July 17, on the university's St. Paul campus.

The festival will feature a series of professional shows and more than 25 workshops, including storytelling, puppet construction, television and film production, costuming and vocal techniques.

The Puppeteers of America is a national organization dedicated to promoting puppetry as a means of communication, an extension of human expression and as a performing art. Co-sponsors of the event include the Great Plains Region of the Puppeteers of America, Twin Cities Puppeteers, and the 4H Youth Development Program of the university's Minnesota Extension Service.

Festival registration is \$90 for Puppeteers of America members, and \$140 for non-members. Tickets for individual shows will be available at the door beginning one hour before each performance. Cost is \$5 for adults; \$3 for children under twelve. A discount rate is available for groups of 10 or more. For ticket information call (612) 922-6887.

Contact: Diane Rains, Puppeteers of America, (612) 739-2572

7/11/94 mn

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*A new and different source on:
Pre-Trial Publicity and Juror Judgment*

How are potential jurors being tainted by the avalanche of O.J. mania? University of Minnesota law professor Steven Penrod has looked at the effects of pre-trial publicity on actual cases—most recently a Santa Barbara, Calif., murder case in which the defendant invoked the insanity defense. Penrod edited tapes of pre-trial coverage in two ways—one to show the defendant as manipulative of the system and the other to show him as likely to be insane. Then he showed them to a group of volunteer jurors. After viewing the tapes, the jurors tended to deliver verdicts that reflected the character of the defendant as presented in the pre-trial publicity they had seen.

Penrod can be reached at (612) 625-1059.

**Contacts: Nina Shepherd, (612) 624-0214
Kristi Rudelius-Palmer, Law School, (612) 626-7794**

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700 TOP MINORITY STUDENTS GATHER AT U OF M FOR RESEARCH CONFERENCE

About 700 undergraduate students of color from across the country will gather at the University of Minnesota Friday, July 22 through Sunday, July 24, to share research experiences and learn about graduate school. The annual Summer Research Opportunities Conference is sponsored by the Committee on Institutional Cooperation, made up of the Big 10 institutions and the University of Chicago.

Participants are taking part in university-sponsored summer research programs aimed at exposing them to academic research and encouraging them to pursue graduate education. Mostly sophomores and juniors, they've been spending the summer working with faculty in a research environment. At the conference they'll present papers and share their research experiences in roundtable discussions. The conference agenda includes a keynote speech from Clarice Gaylord, director of the U.S. Environmental Protection Agency's Environmental Justice Program, at 7 p.m. Saturday in the Radisson Metrodome Hotel.

This is the first time the conference has been held at the University of Minnesota. It's part of a national effort directed at increasing access to graduate school for minority students.

"This will be a historic occasion," explained conference organizer Le Roy Gardner, director of the university's Minority Scholars Development Program. "It's the first time we have had this many students of color gathered on campus to talk about academic research. We need to do more of this to increase the pool of students of color going to graduate school, and to increase the number of qualified people of color to fill faculty vacancies nationwide over the next 10 to 15 years."

This year, for the first time, the conference has corporate sponsorship. Nine Twin Cities-based corporations are helping to underwrite the costs as well as organizing seminars on surviving in a corporate environment, internship opportunities for graduate students and career paths for people with advanced degrees. The sponsors are 3M, General Mills, Northwest Airlines, Honeywell, SuperValu, The Pillsbury Company, Cray Research, Cargill and Rosemount.

Contact: Bill Brady, (612) 625-8510

7/12/94

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Media note: Marti Erickson is available for interviews at (612) 825-9496.

U OF MINNESOTA CONSORTIUM LAUNCHES *FATHERNET* TO KEEP SPOTLIGHT ON MEN IN CHILDREN'S LIVES

FatherNet, a computer-accessible clearinghouse about men's involvement in children's lives, has been launched by the University of Minnesota's Children, Youth and Family Consortium. *FatherNet*, which will disseminate research findings, policy developments and expert opinion, is an outgrowth of Monday's *Family Reunion III: The Role of Men in Children's Lives*, a national conference moderated by Vice President Al Gore and co-sponsored by the Consortium.

Some of *FatherNet's* features include:

- a national directory of programs and resource people on male involvement in families
- a bulletin board to encourage debate among professionals and lay people
- *Family Reunion III* discussion excerpts
- electronic newsletters related to the topic
- related articles and bibliographies

"*Family Reunion III* has given new momentum to the national discussion on the role men should play in our children's lives," said Consortium director Martha Erickson. "To capitalize on that momentum, policy-makers and others must have a place to keep the discussion going and to find out what folks in other parts of the country and the world are doing. That's what *FatherNet* is for."

Other than possible long distance phone charges, *FatherNet* is free to the user and accessible 24 hours a day to anyone with a personal computer and a modem. Those with access to Gopher software should select "Other Gophers" and make the following choices on subsequent menus: Other Gopher → North America → USA → Minnesota → Children, Youth and Family Consortium Clearinghouse. It's also available through TELNET at telnet gopher-cec.mes.umn.edu (at the log-in prompt, type "cec"). Those who can't use either Gopher or TELNET should call the Consortium at (612) 626-1212 to find out how to access *FatherNet*.

Contact: Bill Brady, (612) 625-8510

7/12/94

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LOCAL PUBLIC-INTEREST LEGAL PROJECT RECEIVES CLINTON'S NATIONAL-SERVICE INITIATIVE GRANT

Lower-income adults and children will be among the beneficiaries of a new consortium created by the University of Minnesota Law School, William Mitchell College of Law and the Minnesota Justice Foundation to train law students in voluntary legal work. The Public Interest Law Consortium has been selected to receive a \$185,000, three-year federal grant under President Clinton's *Learn and Serve America* program.

The program will complement 19 existing programs at the two law schools, in which law students supervised by professors and attorneys serve more than 1,000 low-income Minnesotans annually. Beginning this fall, more than 40 law students each year will participate in one-semester seminars on community service and work in field placements.

The grant will aid the consortium in the representation of women and children who are victims of domestic abuse, elderly persons and people with AIDS, renters and tenants, children in need of special education due to physical or emotional disabilities, homeless students and their parents; and Minnesota's American Indians who live on reservations or in poor neighborhoods.

The goal of the project is to encourage law students to consider careers in public service or to provide some free legal services if they enter private practice. It aims to strengthen partnerships among the law schools, legal associations, lawyers and community organizations, as well as to serve as a pilot program for more traditional law school courses.

The Minnesota Justice Foundation is a nonprofit organization of law students and lawyers who seek to provide high quality free legal services, encourage public service and shape public policy in Minnesota.

Contacts: Kristi Rudelius-Palmer, U of M Law School, (612) 626-7794

Donn McLellan, William Mitchell College of Law, (612) 290-6396

Theresa Murray Hughes, Minnesota Justice Foundation, (612) 625-0777

7/14/94 ns

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NEW FACULTY REPRESENTATIVE NAMED FOR U OF M MEN'S ATHLETICS

Norman Chervany, Carlson School of Management professor, has been named the new faculty representative for men's intercollegiate athletics at the University of Minnesota. He replaces Law School dean Robert Stein, who held the appointment since 1982.

As faculty representative, Chervany's principle duty is to represent the university at meetings of all athletic governing organizations of which the university is a member.

Chervany has previously served as chair of the Assembly Committee for Intercollegiate Athletics (ACIA), and served as department chair and director for the MBA program in the Carlson School.

The faculty representative is appointed by the university president for a six-year term. If the faculty representative elects to serve a second six-year term, a performance review is conducted with recommendations forwarded to the president and the ACIA. No person may serve more than two consecutive terms.

The women's intercollegiate athletics faculty representative is Mariah Snyder, whose term began in 1993.

Contact: Marc Ryan, Media Relations, Men's Athletics, (612) 625-4090

7/15/94 mn

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BLOOD FROM ANONYMOUS DONOR'S UMBILICAL CORD MAY GIVE NEW LIFE TO MINNESOTA BOY WITH LEUKEMIA

Minnesota's first—and only the world's fifth—transplant of umbilical cord blood from an unrelated donor will take place Tuesday, July 19, at the University of Minnesota Hospital and Clinic-Variety Club Children's Hospital. Physicians and the patient's parents will discuss the approach, a new and perhaps improved twist on bone marrow transplantation, at a news conference at noon on Tuesday.

Umbilical cord blood, like bone marrow, is rich in stem cells, the precursors to all blood cells. Cord blood, however, may have several advantages over bone marrow as a source of stem cells for transplantation: with its immature immune cells, cord blood is less likely to attack the recipient's body as foreign, a common occurrence known as graft-versus-host disease; it is less likely to have been exposed to the viruses found in 85 percent of adult bone marrow, and cord blood, normally disposed of after birth, can be frozen and stored in blood banks, reducing the need for lengthy donor searches and providing a broader ethnic representation than bone marrow registries currently offer.

The transplant patient is 10-year-old Dennis Gooden of Elk River. The news conference will be held in the Surgery Conference Room, 11-122 Phillips-Wangenstein Building, 516 Delaware St. S.E., on the university's Minneapolis campus. Participants will include Dennis' parents, Greg and Mary Gooden; Dr. John Wagner, a pediatric hematologist/oncologist and leader in cord blood transplantation; Dr. Norma Ramsay, director of pediatric bone marrow transplantation; and Dr. Pablo Rubinstein, director of immunogenetics at the New York Blood Center, home of the cord blood registry that provided the blood for Dennis' transplant.

Contact: Mary Stanik, Health Sciences, (612) 624-4604

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U OF M PROFESSOR C. FORD RUNGE TO JOIN COUNCIL ON FOREIGN RELATIONS

University of Minnesota agricultural and applied economics professor C. Ford Runge has been named a member of the Council on Foreign Relations, a New York-based nonprofit organization dedicated to improving understanding of U.S. foreign policy and international affairs. Each year the council invites a select number of individuals who are leaders in academia, public service and the media to become members.

Runge is the director of the university's Center for International Food and Agricultural Policy. Between 1987 and 1988, he served as special assistant to the U.S. Ambassador to the General Agreement on Tariffs and Trade in Geneva and as an International Affairs Fellow and Ford Foundation Economist of the council.

Runge has contributed to the council's quarterly journal, *Foreign Affairs*. In May 1994, the council published *Freer Trade, Protected Environment: Balancing Trade Liberalization and Environmental Interests*, of which Runge was principal author.

For more information, call the Council on Foreign Relations at (212) 734-0400, or the Center for International Food and Agricultural Policy at (612) 625-8713.

**Contacts: Dani O'Reilly, College of Agriculture, (612) 624-3235
Nina Shepherd, News Service, (612) 624-0214**

7/21/94

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Media note: Doliszny is available for interviews at (612) 626-8592.

CORONARY BYPASS SURGERY REDUCED HEART DISEASE DEATHS BETWEEN 1970 AND 1984, U OF M STUDY FINDS

Coronary artery bypass graft (CABG) surgery done on Minneapolis/St. Paul metropolitan area residents between 1970 and 1984 contributed to a small, but important, reduction in heart disease deaths, according to a University of Minnesota School of Public Health study.

Records from 9,548 people between the ages of 30 and 74 who underwent CABG surgery at hospitals in Minneapolis and St. Paul and the Mayo Clinic in Rochester, Minn., showed that the procedure's contribution to the area's total heart disease mortality ranged from -0.3 percent in 1970 (i.e., it slightly increased the mortality rate) to as much as 6.6 percent in 1984. If CAB surgery had not been available in 1984, approximately 212 additional coronary heart disease deaths might have been expected.

Age-adjusted coronary heart disease deaths in the United States declined 42 percent between 1963 and 1985, and a similar pattern of death reduction occurred in the Minneapolis/St. Paul area during the same period. National age-adjusted coronary heart disease death rates for women aged 30 to 74 declined from 182.3 per 100,000 in 1963 to 97 per 100,000 in 1985. For men in the same age group, death rates declined from 582.5 per 100,000 in 1963 to 297.1 per 100,000 in 1985. Reasons for the decreases remain speculative, but include lifestyle changes and availability of improved medical care, including CAB surgery.

The use of CABG surgery has increased dramatically since its introduction in 1968. In 1971, only 24,000 cases were performed worldwide, compared with 228,000 in 1986. The broad use of this procedure and its potential for prolonging and improving life has prompted researchers to begin estimating the surgery's contribution to coronary heart disease death reductions.

"Increased use of CABG surgery alone would not have contributed to the decline in coronary heart disease mortality," said Katherine Doliszny, epidemiology research associate and the study's principal investigator. "The combination of increased usage, improved operative mortality and referral of patients with the type of coronary artery disease, shown in randomized clinical trials to benefit from surgery, was instrumental in affecting the coronary heart disease mortality rate."

The study was published in the July issue of the *Journal of the American College of Cardiology*.

Contact: Mary Stanik, Health Sciences, (612) 624-4604

7/21/94 ns

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UNIVERSITY OF MINNESOTA AUGUST STARWATCH

by Deane Morrison

Now that Jupiter has swallowed Comet Shoemaker-Levy 9, Earth gets down to its annual job of mopping up debris from a comet visit in 1862. That comet was Swift-Tuttle, and some of its dusty remnants burn up in the atmosphere every August to produce the Perseid meteor shower in the predawn sky. For evening viewers, Venus and Jupiter approach each other in the west, and the Summer Triangle of bright stars floats into its highest position in the sky.

The Perseid meteors will arrive in force in the predawn hours of the 12th and 13th, streaking out of the northeast near the constellation Perseus. Comet Swift-Tuttle returned in 1992, and in 1993, observers under dark skies in the eastern states reported as many as three meteors per hour. Perhaps the Midwest will have similar luck this year.

The early evening belongs to Venus. Coming out just after sunset in Virgo, Venus quickly waxes to its familiar brilliance. As the month passes, Virgo slides behind Venus toward the horizon, bringing the bright star Spica closer. On the 31st, Spica slips past Venus, coming within one degree of the planet.

Jupiter, the second-brightest planet, also approaches Venus in the west after sunset. Jupiter's pale striped atmosphere has been roiled by the impacts of comet fragments, but it's hard to say what, if any, long-lasting scars might be left. Astronomers around the world are watching Jupiter intensively, looking for clues to the composition of its atmosphere and the effects of the collisions. Naked-eye observers might find the big planet best during the third week of August, when Jupiter, Spica and Venus will be neatly lined up in the southwest. Jupiter will stay in the evening sky until early November, when Earth's motion puts the sun in the way of our view.

To the east, Saturn rises among the faint stars of Aquarius shortly before Venus sets. Saturn should be easy to find in the east, below the leading edge of the Great Square of Pegasus. Although second only to Jupiter in size—its diameter measures about 75,000 miles compared to Jupiter's 88,700—the ringed planet generally can't match Jupiter in brightness. And no wonder; at an average distance of 886 million miles from the sun, Saturn's orbit lies about twice as far from Earth as Jupiter's. (Jupiter averages 483 million miles from the sun.) Nevertheless Saturn, with its soft golden color and prominent rings, makes an appealing object for viewing through small telescopes.

Mars, in the morning sky, passes between the horns of Taurus, the bull, on the 7th and 8th. Rising shortly after midnight all month, Mars doesn't quite make it into the evening sky during August. Watch it glide out of Taurus and into Gemini, where it ends the month northwest of the "twin" stars Castor and Pollux.

The moon begins a new cycle on the 7th, and its young crescent marches past Venus, Spica and Jupiter between the 9th and the 13th. On the 20th, the moon rises ahead of Saturn and becomes full in the wee hours of the 21st. This moon went by various names among Indian tribes. Some called it the sturgeon moon for the huge fish of the Great Lakes that is easily caught this time of year, some knew it as the full red moon because it looked reddish through a sultry haze, and others named it the green corn moon.

High and prominent during August, the Summer Triangle of Vega, Deneb and Altair commands attention. Vega, the brightest, marks Lyra, the lyre, home of the famous Ring Nebula, a doughnut-shaped cloud of glowing gas. To the east, Deneb anchors Cygnus, the swan, also known as the Northern Cross. To the south, Altair belongs to Aquila, the eagle. If skies are dark, try to pick out little Delphinus, the dolphin, just northeast of Altair. Delphinus appears as a grouping of five stars, four in a diamond pattern, and appears to be swimming toward Pegasus.

West of Vega, Hercules raises his club to the head of the northern constellation Draco, the dragon. Below the Greek hero's western foot, three faint stars mark the head of Ophiuchus, the serpent. With a dragon above and a serpent below, Hercules seems to be in double trouble. But maybe not, since star charts depict, in the midsection of Ophiuchus, a huge swelling that may indicate a certain lack of hunger.

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

Contact: Deane Morrison, (612) 624-2346

7/22/94

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U OF M STRENGTHENS RULES ON RESEARCH ANIMAL PURCHASES

The University of Minnesota has modified its policy to help ensure that lost or stolen pets such as dogs and cats are not mistakenly purchased for research purposes.

The policy now stipulates that the university will not buy from dealers who obtain animals from private individuals or hobby breeders. Animals will be bought only from U.S. Department of Agriculture (USDA) licensed Class "A" dealers, who are mostly purpose-bred animal breeders, or from Class "B" dealers who obtain animals from government-owned or operated pounds, or from Class "A" dealers who sell animals born on their own premises. All Class "B" dealers will be required to provide complete certification regarding the source of each animal sold.

Class "B" dealers are permitted by the USDA to sell animals bought from hobby breeders or private individuals, but the university has never bought, and will not buy, any animals obtained in that fashion. Random checks are conducted on animals purchased by the university to verify the animal's source. In addition, every university-purchased animal is examined for identifying tattoos or other marks, as well as for implanted microchips that can be scanned to help identify the animal.

Dealers selling to the university also will be required to provide photocopies of their current USDA inspection reports. The university will stop all business with dealers who have significant deficiencies in their reports.

"We have taken these steps to make certain no lost or stolen animals are bought by the university for research purposes," said William Jacott, assistant vice president for health sciences. "Our animal care committee has been working on these policy changes for the past several months, and it is the committee's hope that the university will soon be able to purchase animals from Class "A" dealers only. We are moving in this direction because we continue to believe in the important role of the humane and appropriate use of animals in biomedical research."

Contact: Mary Stanik, Health Sciences, (612) 624-4604

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REP. TIM PENNY JOINS FOOD POLICY CENTER AT U OF M

U.S. Representative Tim Penny will join the Center for International Food and Agricultural Policy in the Department of Agricultural and Applied Economics at the University of Minnesota as a senior fellow when he retires from Congress in December.

The center provides leadership in research to improve knowledge of the international aspects of food, agriculture, nutrition, natural and human resources and the environment. This knowledge is disseminated in a variety of teaching, training and public service efforts. Rep. Penny's appointment as a senior fellow will be on a part-time basis and will be in addition to his previously announced position at the Humphrey Institute at the university.

Rep. Penny has represented the First District in Southeastern Minnesota for six terms. He has a particularly strong background in agricultural policy issues having served on the House Agriculture Committee and as chair of the Subcommittee on Foreign Agriculture and Hunger. He achieved passage of legislation designed to promote innovative uses of agricultural products and also legislation giving young farmers financial assistance necessary to start farming operations.

Ben Senauer, the center's director, said, "We are delighted. Tim Penny's expertise on agricultural issues will greatly benefit the center and the University of Minnesota."

Contact: Dani O'Reily (612) 624-3235

7/26/94

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Media note: Embargoed by *The New England Journal of Medicine* for use by electronic media until 5 p.m. CDT Wednesday (July 27); Thursday morning (July 28) for print. Shahar is available for interviews at (612) 624-8231. Dr. Aaron Folsom, second author of the study, may be reached at (612) 626-8862.

U OF M STUDY: EATING MORE FISH MAY REDUCE CHRONIC BRONCHITIS, EMPHYSEMA RISK FOR SMOKERS

A diet high in polyunsaturated fatty acids found in many types of fish may help smokers prevent chronic lung diseases such as chronic bronchitis and emphysema, according to researchers at the University of Minnesota.

Measurements of diet, lung function and lung symptoms taken from 4,032 smokers and 4,928 former smokers, ages 45 to 64, showed that the prevalence of chronic bronchitis and emphysema (collectively called chronic obstructive pulmonary disease, or COPD) tended to be lower among those who ate fish more frequently.

"If the observed relationship between fish consumption and COPD is causal, eating 2.5 or more servings of fish per week may halve the risk of COPD," said Eyal Shahar, assistant professor of epidemiology and lead author of the study.

The protective elements are believed to be certain n-3 polyunsaturated fatty acids (including eicosapentaenoic acid and docosahexaenoic acid). Both are known to interfere with the body's inflammatory response. Cigarette smoking probably causes COPD by triggering inflammation of lung tissue.

"The findings corroborated our hypothesis that fish oils might be protective against chronic bronchitis and emphysema, but there could have been other explanations for the statistical associations we found," Shahar says. "Since the study was based on observations rather than dietary intervention, we cannot conclude with certainty that fish consumption or fish oils reduce risk among cigarette smokers."

The study was published in the July 28 issue of *The New England Journal of Medicine*. It was part of an ongoing study of heart disease risk factors called Atherosclerosis Risk in Communities. Participants were African-American and Caucasian men and women from Forsyth County, N.C.; Jackson, Miss.; suburban Minneapolis, Minn.; and Washington County, Md.

Contact: Peggy Rinard, Health Sciences Public Relations, (612) 624-5100

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U OF M TO HOST LEADERSHIP PROGRAM FOR STUDENTS WITH DISABILITIES

The University of Minnesota's Disability Services and Project LEEDS (Leadership Education to Empower Disabled Students) will host the first ever National Summer Institute on Disability and Leadership Monday, Aug. 1, through Sunday, Aug. 7. The week-long institute will provide students with disabilities intensive theoretical and practical training to cultivate their skills and prepare them for leadership roles.

Participants from around the country will learn such leadership skills as organizing student cultural centers, serving as student government representatives and working with local, state and federal governments. The institute will also provide participants with technical assistance, follow-up support and resources to provide outreach to other students with disabilities.

"The first step to becoming an effective leader is to know and appreciate who you are," said Sue Kroeger, director of Disability Services at the university. "Disabled people will have difficulty moving forward until we come together and celebrate the disability experience."

The majority of programs will be conducted at the university's Humphrey Institute, located at 301 19th Ave. S. in Minneapolis. For a complete listing of program times and locations, contact Wendy Brower, Disability Services, (612) 626-9638.

The institute is funded by the Dwight D. Eisenhower Leadership Development Program and the U.S. Department of Education.

Contacts: Gene Chelberg, project coordinator, (612) 624-7693

Betty Aune, project director, (612) 624-6884

Sue Kroeger, director, Disability Services, (612) 624-4120

7/27/94 mn

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U OF M HOSTS STANDDOWN '94 TO ASSIST HOMELESS VETERANS

The University of Minnesota will host *StandDown '94*, a respite from homelessness for veterans, from 5 a.m. Friday, Aug. 5, to noon Sunday, Aug. 7, 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 '94* will give veterans a break from the battles of unemployment and personal, medical and legal problems.

Last year's event included medical, dental, eye, foot and psychological exams for homeless veterans, as well as psychiatric care, legal aid, shelter, food, clothing, jobs and training services, information about social security and veteran's 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.

Contact: Jimmie Lee Coulthard, StandDown '94, (612) 726-9375
Bill Lindboe, StandDown '94, (715) 386-8838
Mike Nelson, University News Service, (612) 626-7701

8/1/94

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U OF M LAW SCHOOL DEAN ROBERT STEIN NAMED ABA EXECUTIVE DIRECTOR

Robert A. Stein, dean of the University of Minnesota Law School, has been named executive director of the American Bar Association (ABA). He will assume the post on a half-time basis this October and expects to leave the deanship by the end of the year.

Stein will have overall management responsibility for staff operations at the ABA headquarters in Chicago and its Washington, D.C., office. He will oversee a staff of more than 700 and a budget exceeding \$100 million.

Stein, the first William S. Pattee Professor of Law and a nationally recognized authority in estate planning, trusts and decedents estates, received bachelor's and law degrees from the University of Minnesota. He joined the Law School faculty in 1964, after a period in private practice, and served as the university's vice president for administration and planning until assuming the deanship in 1979. Until recently he was the university's faculty athletic representative for Men's Intercollegiate Athletics.

"I am excited by the challenge and opportunity presented by this position to address issues relating to the administration of justice in our country," Stein said. "At the same time, I have very mixed emotions as I contemplate leaving the Law School, which has been part of my life for more than 30 years."

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

Kristi Rudelius-Palmer, Law School, (612) 626-7794

8/3/94

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U OF M NAMES JACK IMHOLTE ACTING VP FOR STUDENT AFFAIRS

- Was UM-Morris chancellor for 20 years
- Appointment effective Sept. 16

Jack Imholte, history professor at the University of Minnesota, Morris, and former chancellor of that campus, has been named the University of Minnesota's acting vice president for student affairs. He succeeds Marvalene Hughes, who resigned to become president of California State University at Stanislaw.

Imholte's name will be formally put before the Board of Regents at its Sept. 8 meeting. He will assume his new post Sept. 16. He has agreed to stay in the position until a national search can be conducted to fill the post permanently.

A graduate of St. Paul's Cretin High School, Imholte earned a bachelor's degree from Washington and Lee University and his master's and doctoral degrees from the University of Minnesota. He joined the Morris faculty in 1960, was named acting provost in 1969 and was formally installed as chancellor in 1970, a post he held for the next 20 years.

During his tenure, the Morris campus became recognized as one of the premier public liberal arts institutions in the country. It still is rated as among the best of its size in the *U.S. News and World Report* rankings.

"Jack Imholte has a broad understanding of student needs and concerns as well as educational policy initiatives," said Jim Infante, senior vice president for academic affairs, in making the appointment. "These are the very qualifications needed to move us forward during this period of transition and administrative reorganization."

Contact: Bill Brady, (612) 625-8510

8/5/94

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U OF M AMERICAN INDIAN STUDIES DEPARTMENT INTRODUCES NEW ONLINE SERVICE

The department of American Indian studies at the University of Minnesota has established a free information dissemination service for individuals, agencies, institutions and organizations concerned with Indian affairs in the Upper Midwest. Technically referred to as a "LISTSERV," the system uses electronic mail (e-mail) technology to distribute information and commentary.

According to David Born, acting head of the department, agencies and organizations can use MINN-IND to disseminate announcements about programs and meetings throughout the Upper Midwest and northern plains. The service also provides a forum to discuss policy issues and other matters of importance to the Indian community. Users seeking technical advice or information will be able to consult experts and tribal authorities electronically via MINN-IND.

A popular feature of Internet and the "information superhighway," LISERSVs work like a combination of electronic discussion groups, bulletin boards and e-mail. Virtually anyone with a computer, a modem and an e-mail address can access the MINN-IND LISERSV. Users can post a message, document or commentary, and the system distributes it to all other members of the MINN-IND network. Later, users can check back to read reactions. Users can communicate privately with other MINN-IND members through standard e-mail.

"It's a fantastic medium for dissemination of information," said Born. In addition to announcing such events as speakers, conferences, workshops and films, he said he expects people to debate issues important to Indian peoples, including educational policies, teaching innovations, health care, health education, traditional and "new age" spirituality, crime and corrections, treaty and political topics, art, literature and gaming. The system can also be used to post job opportunities, help people identify experts and consultants on various problems and to exchange ideas and materials used in teaching indigenous languages.

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Born also indicated that the university can provide limited access to e-mail services for recognized agencies and organizations serving Indian people in Minnesota. An annual fee is charged, and organizations will receive virtually unlimited e-mail and Internet access.

For more information, write to Born at the department of American Indian studies, University of Minnesota, 102 Scott Hall, Minneapolis MN 55455. He can also be reached by phone at (612)-624-2556, or by e-mail at: dborn@maroon.tc.umn.edu.

Contact: David Born, Department of American Indian Studies, (612) 624-2556

8/6/94 bs

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INFRARED IMAGES SUGGEST HYDROCARBONS ON JUPITER

Mushroom clouds thrust up from Jupiter by Comet Shoemaker-Levy 9 appear rich in hydrocarbons, according to infrared observations by astronomers from the universities of Minnesota, Rochester and Wyoming.

"The clouds are very bright through several filters," said Robert Gehrz, astronomy professor at the University of Minnesota. "They're bright at wavelengths that would be reflected by methane, molecular hydrogen and a positively charged, triatomic form of hydrogen. At high spectral resolution, we see contributions from more complex molecules, perhaps including carbon tetrachloride and hydrazine." Observations were made at wavelengths between one and five microns, said Gehrz, who specializes in infrared observations of comets and novae.

After analyzing the data, the scientists hope to construct a vertical map of Jupiter's atmosphere by noting the signatures of chemical elements at each impact site. Because the more energetic impacts presumably reached deeper into the atmosphere, elements detected at those sites would be expected to reside in the deeper layers of the atmosphere, Gehrz said.

The observations were carried out with the 2.3-meter University of Wyoming telescope and the University of Minnesota's 76-centimeter O'Brien telescope. Pictures were taken in collaboration with Judith Pipher and William Forrest of the University of Rochester, using Rochester's infrared camera. Other collaborators were Charles Woodward and Robert Howell of the University of Wyoming, Terry Jones of the University of Minnesota and Barbara Jones of the University of California at San Diego.

Contacts: Deane Morrison, News Service, (612) 624-2346
Robert Gehrz, Astronomy Department, (612) 624-7806

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U OF M'S FRANK MCKINNEY RECEIVES ORNITHOLOGY AWARD

Frank McKinney, curator of ethology (animal behavior) at the University of Minnesota's Bell Museum, has been awarded the 1994 William Brewster Memorial Award by the American Ornithologists' Union. The award is given to the author of the most meritorious work on birds of the Western Hemisphere during the last 10 years.

Over the last 40 years, McKinney has become a world leader in the study of the social behavior of waterfowl and in the broader field of avian behavior. He has led the way to understanding the evolutionary sources of social displays by dabbling ducks, the behavioral ecology of waterfowl and the evolutionary significance of male secondary mating habits.

The William Brewster Memorial Award encourages the study of Western Hemisphere birds and consists of a medal and honorarium. For a photograph of McKinney contact Byron Webster, Bell Museum, (612) 624-0225.

Contact: Mike Nelson, News Service, (612) 626-7701

8/9/94

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U OF M MATH PROJECT AWARDED \$767,000 NSF GRANT

Project: Open Access. a major collaborative effort by the University of Minnesota, Augsburg College and the Minneapolis Public Schools to create new mathematics curricula in metro area schools, has been awarded a \$767,000 grant from the National Science Foundation.

Project: Open Access goals include ensuring access for all students to gain relevant mathematical thinking skills, increasing student enrollment and retention in mathematics programs, supporting problem solving and enquiry-based teaching environments, and building a network of teachers to support continuing professional development. Project activities will continue throughout the school year for three full years.

More than 40 middle- and high-school teachers from the metro area have joined together to study the mathematics and teaching of these new curricula and to implement these curricula in Twin Cities schools. As new curricula are developed, they too will be available to the project, allowing teachers to select the curricula best suited to local needs.

The project is supported by the National Science Foundation, the Minnesota State Higher Education Eisenhower Program, the University of Minnesota, Augsburg College and the Minneapolis Public Schools.

Contact: Tom Berger, Institute of Technology, (612) 625-3042

8/11/94 mn

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FEDERAL COURT TODAY DENIES NAJARIAN'S REQUEST FOR INJUNCTION AGAINST U OF M

U.S. District Court Judge David Doty today denied a request by Dr. John Najarian, former chair of the University of Minnesota's surgery department, for an injunction against the university. Najarian filed the request June 28, claiming violation of due process and asking the court to halt the university's efforts to terminate his tenure.

In addressing Najarian's claim, the court held that "The university has a strong interest in investigating alleged wrongdoing by its tenured faculty members," and that "An injunction issued by a federal court staying the university's administrative proceedings would impermissibly interfere with and undermine the important state interest in providing public education."

"Judge Doty's decision is a full vindication of the university's policies, procedures and decision in this case," said Mark Rotenberg, university general counsel. "We cannot and will not let the prominence of any individual obstruct this investigation and our search for all the facts."

Hasselmo removed Najarian as chief of surgery in February 1993, and in May 1993 began an internal investigation of the Minnesota Antilymphocyte Globulin (MALG) program and alleged improprieties by Najarian.

Najarian sought to block the university's internal investigation, including the activities of the university's Academic Misconduct Committee, contending that he could not participate in pending university investigations without sacrificing his right against self-incrimination, in light of federal grand jury investigation into his activities.

Contact: Mark Rotenberg, University General Counsel, (612) 624-4100

8/11/94 ns

NewsLog

University of Minnesota News Service • 6 Morrill Hall • 100 Church Street S.E. • Minneapolis, MN 55455

August 15, 1994

BACK-TO-SCHOOL SPECIAL

□ First-day jitters

The first day of school can be rough for parents, but they can survive it with help from a few simple rules, says child development professor **Megan Gunnar**. In preparing a child for school, parents should tailor their message to what will help a particular child. "Kids differ in temperament and how they respond to new situations," she says. "With my second child, it helps to remind him that other kids feel the same way." Shyness is common, but a shy child isn't necessarily headed for social isolation. "Often," says Gunnar, "shy kids are sensitive and make friends easily." Or, if kids are changing schools, they already have a concept of school and how they fit in, so parents shouldn't try to describe the new setting in overly rosy terms. Whatever a child's concern, "the biggest thing is to listen, rather than rush in and try to fix everything," says Gunnar. Also, kids who are more susceptible to stress may be more likely to get sick in the first few months of school. Gunnar, who studies stress and children, can be reached at 612/624-0321, except for Aug. 22 through 28. News Service contact, Deane Morrison, 612/624-2346.

□ Field trips of the 90s

Come November, lots of schoolkids will thrill to the exploits of eagles, hawks and falcons—but this time they'll be real birds, not football teams. The university's Bell Museum of Natural History will offer *Raptors LIVE!*, a 90-minute live educational telecast that allows students to interact with veterinarians, biologists and researchers as they study and treat injured birds of prey. To prepare for this electronic field trip, students get a week-long lesson on raptors and environmental issues, and also examine the technology behind broadcasts of *Raptors LIVE!* as a case study of satellite communications. Project coordinator **Amy Torgerson** says 150 schools have already signed up for *Raptors LIVE!*, and she hopes it will not only educate students about birds of prey and our environment, but encourage them to pursue careers in science. Torgerson's at 612/626-2220. News Service contact, Mike Nelson, 612/626-7701.

□ Girls just wanna have ROM

Say "computer geek," and what comes to mind? A teen-age boy with a pocket-protector? Yup, and that's a problem, says education professor and software manufacturer **Greg Sales**. Why don't we ever think of a girl? Because there is, in fact, a gender gap in computer fascination. Sales and his research partner **Mike Johnston** are working to change that with female-friendly software. They've found, for example, that when a teacher's voice and image are part of the program, girls respond better to it. "They seem to like it when it's someone they know," Sales says. "Even more so if that someone is a woman." For boys, the program can be narrated by the teacher, a cartoon character or Cindy Crawford and it doesn't make much difference.

Other sex differences: most boys respond to bold colors, mechanical images such as motorcycles and rocket ships, and conflict scenes such as fires and wars; girls seem to respond more to pastel colors, horses and nature images, and less antagonist scenes. As we learn more, Sales says, we can target software programs to one sex, or combine images and sounds that resonate with both sexes. Sales is at 612/338-2557 or 612/724-0847. News Service contact, Bill Brady, 612/625-8510.

NewsLog 2/

□ **POW! BAM! WHAP! Take that, you imprecisely calibrated pH meter!**

That Batman owed his detective skills largely to scientific prowess may have been lost on movie audiences. But the link between science and adventure won't be lost on young readers of WIZKIDS, a new series of comic books, videos and study guides aimed at fourth- through sixth graders and produced by university's General College.

WIZKIDS, a group of scientifically inclined adolescents, raise puzzling questions as they go about their experiments. With help from a talking computer, they enlist the services of real scientists, and in the process learn about the work and lives of scientists. The series features WIZKIDS and scientists from a mix of ethnicities and both sexes. "By offering kids successful role models from their own ethnic backgrounds, we hope they will stick to their studies and get excited about science and engineering," says WIZKIDS director **Jetty Kahn**. So far, one comic book and four videos have been produced, and 250 Minnesota schools have signed up for the service. A second issue is in the works, and Kahn aims for nationwide distribution. For a copy of the comic or video call Kahn at 612/625-3483. News Service contact, Bob San, 612/624-4082.

□ **Monty Hall, math wizard**

You've chosen door #1, and Monty Hall shows you a booby prize behind door #2; should you switch to door #3? That's the kind of dilemma many of us face but are unprepared to handle, says math professor **Tom Berger**. But a unique three-year, \$767,000 grant from the National Science Foundation is helping him put a real-life slant on math education.

Project: Open Access will bring new math curricula to metro-area middle and high schoolers to help them become problem-solvers. "Kids will still learn multiplication tables, but by doing multiplications, not by rote," says Berger. Statistics will be taught when kids, for example, measure the heights and shoe sizes of half the class and use the results to predict the shoe sizes of the other half from their heights. Also featured is a game in which players must cross the country by solving problems in resource allocation. Oh, almost forgot: "Tell Monty you'll switch," says Berger. "Your chances of finding the prize will double." Berger's at 612/625-3042. News Service contact, Deane Morrison, 612/624-2346.

□ **Teaching R-E-S-P-E-C-T**

A seventh-grade class in St. Paul designed and landscaped a new low-income housing development, and a sixth-grade class became pen pals with children in a Croatian refugee camp. Through Partners in Human Rights Education (PIHRE), a project of the university's Human Rights Center and the Minnesota Advocates for Human Rights, kids learn about civil, political, economic, social and cultural aspects of human rights by getting involved.

PIHRE teams of lawyers, K-12 teachers and community representatives help kids hone their ability to think critically about inequalities by guiding them through mock trials, role plays, debates and other activities. Established in 1992, PIHRE will hold its next two training sessions for volunteers Aug. 27 and Sept. 17 at the university's Law School. To attend or interview participants, call Kristi Rudelius-Palmer, Lisa Cramer or Maria Baldini at 612/626-0041. News Service contact, Deane Morrison, 612/624-2346.

—UNS—

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Aug. 19, 1994
Contact Bill Brady, (612) 625-8510

PUBLIC SERVICE ANNOUNCEMENT

(30 SECONDS)

DO YOU WANT MORE EDUCATION BUT CAN'T QUIT YOUR JOB? ARE YOU A STAY-AT-HOME PARENT WHO CAN ONLY TAKE COURSES AT NIGHT? COME TO *EDUCATION FEST*, AN OPEN HOUSE FOR PART-TIME ADULT LEARNERS, SPONSORED BY UNIVERSITY OF MINNESOTA CONTINUING EDUCATION AND EXTENSION. IT TAKES PLACE FROM 5 P.M. TILL 8 P.M. THURSDAY, SEPT. 8, AT NOLTE CENTER, NEXT TO THE BELL MUSEUM ON THE EAST BANK CAMPUS. THIS IS YOUR CHANCE TO FIND OUT ABOUT DEGREE OPTIONS, CORRESPONDENCE COURSES, NON-CREDIT SEMINARS, FINANCIAL AID AND ANYTHING ELSE YOU NEED. YOU CAN EVEN REGISTER FOR A CLASS ON THE SPOT. FREE PARKING AND CHILD CARE AVAILABLE. FOR INFORMATION, CALL 6 2 6 - 1 6 3 3.

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UNIVERSITY OF MINNESOTA SEPTEMBER STARWATCH

by Deane Morrison

Saturn commands the September spotlight, but Venus and the harvest moon also turn in stellar performances. The Summer Triangle of bright stars continues to shine against a darkening background, and fall arrives officially on the 23rd.

Saturn, directly opposite the sun on the 1st, stays up most of the night. Now in Aquarius, Saturn occupies a dark patch of sky below the leading edge of the Great Square of Pegasus. Saturn will come out higher in the sky as the month progresses, and its rings will be tipped with their north side visible through a small telescope.

On the other side of the evening sky, Jupiter and Venus close on each other above the western horizon. Jupiter, to the upper left of Venus, passes northwest of the queen planet during the last week of the month. Venus reaches peak brilliance on the 28th, but by then will have sunk so low that its brightness will be muted. Jupiter, whose collision with Comet Shoemaker-Levy 9 gave the world its greatest astronomical spectacle in decades, will soon join Venus in oblivion behind the sun.

Mars rises shortly after midnight on the 1st and spends the month gliding across the Gemini twins. It might be easiest to find late in the month, when it will appear below Pollux, the brighter of the twins, and to the upper left of the bright star Procyon. Reddish and a little dimmer than Saturn, Mars brightens slightly during September and just squeaks into the evening sky by October.

The harvest moon begins its waxing phase with the new moon on the 5th. On the 8th, the thin crescent and Venus make a fairly close and pleasing pair. The next night, Jupiter will be its companion.

For a few days before and after the full phase on the 19th, the moon rises earlier from night to night than it does at other times of year. This happens because the moon follows much the same course across the sky as the sun, complete with rapid movement north or south around the times of the equinoxes. But the full moon, being opposite the sun in the sky, behaves contrary to the sun: it

moves rapidly north at the fall equinox, mimicking the sun's behavior at the spring equinox. And, like the sun in spring, it rises earlier and earlier. (Due to its orbital motion, the moon never actually rises earlier on successive nights, but moonrise comes *relatively* earlier, as little as 25 minutes later instead of a more normal 50 minutes.) The upshot is a moon that makes a welcome early-evening appearance for farmers working late in their fields.

Speaking of the equinox, it arrives at 1:19 a.m. CDT on the 23rd. At that moment the sun will be directly over the equator, on its way to the Tropic of Capricorn.

Evenings afford a good chance for a last look at Bootes, the herdsman, before it floats over the horizon. The kite-shaped constellation stands nearly upright in the west, anchored by its bright star Arcturus. In the south-southwest, the Teapot of Sagittarius tips its spout downward; it too will soon drop out of sight.

To the east, Pegasus wings its way into prominence. In Greek mythology Pegasus, the winged horse, sprang full-grown from the blood of the dying Gorgon Medusa after the hero Perseus killed her. Pegasus was captured by another hero, Bellerophon, who rode him when he slew the Chimera, a beast that was part lion, part goat and part dragon. But when Bellerophon pushed his luck and tried to ride Pegasus to the summit of Mt. Olympus, Zeus angrily caused Pegasus to throw him. That put an end to Bellerophon's career as a hero; he wandered, crippled and blind, until he died.

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

Contact: Deane Morrison, (612) 624-2346

8/19/94

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U OF M TO SHOWCASE INFO HIGHWAY, GOPHER INTERNET AT STATE FAIR

Minnesota State Fair visitors can “surf” the Gopher Internet—a world-wide computer network—at the University of Minnesota’s display booth Thursday, Aug. 25, through Monday, Sept. 5. The booth is located in the Education Building near the Snelling Avenue entrance to the fair grounds in St. Paul.

Experts from the university’s Microcomputer and Workstation Networks Center will be available to guide visitors through Internet. In addition to Internet demonstrations, the booth will feature College of Agriculture experts to answer questions about gardening and farming, a historic look at the university’s 1927 Botany Building time capsule and regular visits by Goldy Gopher.

**Contacts: Simin Hickman, Microcomputer Center, (612) 625-4599
Jeff Sturkey, Special Events, (612) 624-1841**

8/23/94 ns

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JOHNSON AND WEINBERG AWARDED PROFESSORSHIPS IN EDUCATIONAL LEADERSHIP AT U OF M

David Johnson, educational psychology professor, and Richard Weinberg, director of the Institute of Child Development, have been awarded the University of Minnesota College of Education's Emma M. Birkmaier Professorship in Educational Leadership. Johnson and Weinberg will each receive \$25,000 annually for three years to support their research.

Established in 1990, the Birkmaier professorship is made possible through a gift from the estate of Emma M. Birkmaier, gifts by college alumni and friends and a matching grant from the Permanent University Fund provided by the Minnesota Legislature. Birkmaier was an internationally renowned language educator who retired in 1972 after 31 years with the College of Education.

Johnson joined the faculty in 1966 and has co-directed the Cooperative Learning Center since 1978. He conducts research on cooperation and conflict in the classroom, peer mediation and organizational change. A fellow of the American Psychological Association, Johnson has published nearly 40 books and over 300 journal articles. He also received the 1990 Award for Outstanding Contributions to American Education from the Minnesota Association for Supervision and Curriculum Development.

Weinberg came to the college in 1970, served as the director and codirector of the Center for Early Education and Development from 1981 until 1993, and assumed directorship of the Institute of Child Development in 1988. A well-known researcher on interracial adoptions and developmental behavioral genetics, Weinberg works to link the knowledge generated by research to the work of professionals and practitioners. He is a fellow of the American Psychological Association and received the college's Distinguished Teaching Award in 1984.

In announcing the Birkmaier professorships, Robert Bruininks, dean of the College of Education, lauded Johnson and Weinberg for "very important and lasting contributions to improving policies and educational practices for children and youth in schools and in our communities." Bruininks was the college's first Birkmaier Professor, from 1991 to 94.

Contact: Kate Tyler, (612) 625-4874

8/24/94

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**Embargoed by *Nature* until 6 p.m. EDT Wednesday, Aug. 31.
David Tilman is available at (612) 625-5740 or 434-5131.**

CONSEQUENCES OF HABITAT LOSS MORE SEVERE THAN THOUGHT, SAY U OF MINNESOTA, OXFORD RESEARCHERS

Habitat loss may be preferentially dooming the dominant and best-adapted species to extinction, researchers from the University of Minnesota and Oxford University report in the Sept. 1 issue of the journal *Nature*. But extinction takes 50 to 500 years, which masks the true effects of recent habitat destruction. Further, the more habitat lost, the more severe the effects of further loss.

The study was performed by David Tilman, professor of ecology at the University of Minnesota; Robert May, Royal Society Professor at Oxford; Clarence Lehman, researcher at Minnesota; and Martin Nowak, researcher at Oxford.

Habitat destruction is insidious, Tilman said, because its ecological effects don't show up for so long, giving the impression that the effects are less severe than they are.

"I estimate that at least 100,000 to 300,000 species worldwide have been set on a path to extinction by habitat lost to date," he said. "But, although some species are doomed, many could be rescued by appropriate habitat restoration."

Basing their conclusions on mathematical models, the researchers found that the dominant species in nature don't die out immediately, but can linger for decades or centuries in undisturbed reserves. For these species, habitat destruction creates an "extinction debt" that will be paid, sooner or later, by their disappearance. In addition, the species hurt most will be the largest, the most rare and the best adapted. Because these species often perform crucial roles in such ecosystem functions as nutrient cycling and energy flow, their loss renders ecosystems less stable, less productive and less efficient, the researchers said.

"Every time we destroy a habitat we are borrowing from nature," Tilman said. "If we don't restore this land, the debt must be repaid with the extinction of species. We don't know how large this debt really is because we don't yet know how many species are on earth and how much of the earth we have already destroyed. However, we do know that massive extinctions can have serious consequences for the habitability of the earth. No matter what, we must stop the extinction deficit by halting destruction of the virgin forests, grasslands and wetlands of the earth."

Even a small amount of destruction can doom species by fragmenting habitats into what is essentially a collection of islands, Tilman said. If destruction keeps plants or animals from moving freely throughout their habitat, the organisms become trapped in patches. Eventually, trouble—fire, disease, food shortage or natural mortality—will wipe out a doomed species in a

patch. When all the remaining patches have been ravaged, the species is extinct.

“Numerous birds and mammals went extinct as rising sea levels fragmented New Guinea into satellite islands 10,000 years ago,” Tilman said. “Our work implies that many of them were dominant competitors. If such conclusions are supported by further study, then the predictions of our theory must be taken very seriously.”

In a second conclusion, the group found that habitat destruction hits hardest at those plants and animals best adapted to their living space because those species have the fewest options for fleeing. Species, said Tilman, often face a tradeoff between being strong competitors for resources on their home turf and being good at colonizing other sites. Habitat destruction cuts off routes for the well-adapted—who tend to be good competitors and poor colonizers—to escape or spread their offspring.

Not only do the best-adapted species get knocked off first, but they are more susceptible to extinction in places like tropical forests, where they are more scarce. A well-adapted species may range over 25 percent of the land in the temperate zone, but a similar species may be found in only 5 percent of the Brazilian rain forest. The theory predicts that a species' extinction is ensured as soon as a portion of habitat equal to its abundance in a virgin habitat is destroyed. So for a rain forest species, a loss of just 5 percent of the habitat could spell doom, even if the losses don't occur in sites specifically occupied by that species.

Within a given habitat, larger and rarer vertebrates like jaguars are much more at risk than smaller, more common species like rodents. The model also predicts that even if the best-adapted species is the most abundant in an undisturbed habitat, it still will be the most susceptible to eventual extinction. Furthermore, even moderate destruction can doom it and other well-adapted organisms.

In a third conclusion, the group said the more habitat lost, the greater the impact of a given amount of further loss. For example, suppose a habitat of 1,000 acres is partially destroyed. When it has lost 200 acres, the loss of one additional acre may cause, say, 5 species to go extinct. But after 900 acres have been lost, the loss of an additional acre would wipe out 40 species. That is, species loss is 8 times greater when 90 percent of a habitat is gone compared to when 20 percent is gone, according to the model.

Although their conclusions seem gloomy, Tilman said they also hold out hope for saving species. The time lag before extinction may allow some species to be saved by restoration of their habitat. Further, the researchers predict that restoring a small amount of a greatly devastated habitat and preventing further destruction will pay large dividends.

“We face a choice,” Tilman said. “We can, through wise conservation and restoration of habitat, partially repay the massive extinction debt we have already accrued. Or, we can do nothing and allow hundreds of thousands of species to slip toward extinction.”

The work was funded by the National Science Foundation and the Andrew Mellon Foundation.

8/29/94

Contact: Deane Morrison, (612) 624-2346

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U OF M CHILDREN'S LITERATURE COLLECTION ON EXHIBIT IN JAPAN

Children's book art from the Children's Literature Research and Kerlan collections at the University of Minnesota will be on exhibit in Japan through February, 1995.

The exhibit will be at the Hakata Paimaru Museum in Fukuoka, Sept. 15 through 27, Ikoma Library in Nara Prefecture, Oct. 1 through 29, Satii Hall in Noboribetsu on Hokkaido Island, Nov. 15 through 25, and Takasaki City Gallery in Guma Prefecture, Jan. 13 through 24, 1995. Since April of 1994, the exhibit has been displayed in Osaka, Okayama and Tokyo.

Virginia Lee Burton (*The Little House*), Marie Hall Ets (*In the Forest*) and Wanda Gág (*Millions of Cats*) are featured in the exhibit.

The Kerlan Collection consists of more than 60,000 children's books and original manuscripts and illustrations for more than 8,000 titles. The reading room, located in Walter Library on the university's Minneapolis campus, is open weekdays from 8:30 a.m. to 4:30 p.m.

Contacts: Karen Hoyle, Kerlan Collection, (612) 624-4576

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

8/30/94

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EDUCATION FEST TO BE HELD AT U OF M SEPT. 8

University of Minnesota Continuing Education and Extension (CEE) will hold its second annual *Education Fest*, an open house for adult and part-time learners, from 5 to 8 p.m. on Thursday, Sept. 8, at Nolte Center on the university's Minneapolis campus.

CEE staff will be on hand to answer questions about evening classes, correspondence courses and degree options, and advisers will assist in course selection, provide informal reviews of transcripts, answer questions about requirements and explain registration and application procedures. Information will be provided on credit and non-credit courses, management seminars, research internships, art workshops and other programs.

The Nolte Center garage will offer free parking for the event. Refreshments, pencils, posters, prize drawings, child care and entertainment will be provided.

Nolte Center is located a half block south of University Avenue on 17th Avenue S.E. (Church Street). For a detailed recording about *Education Fest*, call (612) 626-1633.

**Contacts: Charles Cheesebrough, CEE, (612) 624-3854
Mike Nelson, News Service, (612) 626-7701**

9/1/94

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U OF M HEALTH SYSTEM'S WOMEN'S FITNESS/HEALTH EXHIBIT AT MALL OF AMERICA SEPT. 9-11

Fit for Fall, a University of Minnesota Health System-sponsored event featuring exercise, dance and sports demonstrations, nutrition and health information and a historical display of women's clothing, will take place at the Mall of America in Bloomington Friday, Sept. 9, through Sunday, Sept. 11.

Events and exhibits will be on display in all four mall courts and the main rotunda from 10 a.m. to 9:30 p.m. Friday and Saturday, and from 11 a.m. to 7 p.m. Sunday. Highlights include:

- Friday: The Dahm triplets of Jordan, Minn., *Teen* magazine's 1994 model search winners will sign autographs between 6 and 8 p.m.
- Saturday: Stars of leading exercise videos will give live aerobics demonstrations.
- Sunday: Internationally known psychologist Joyce Brothers will sign copies of her new book between 1 and 3 p.m.

The main rotunda will feature *Taking Care of Minnesota's Women*, a display symbolizing the university's continuing commitment to women's health. The display features Minnesota women of varying health conditions and personal experiences who have been treated at the university.

Muscle flexibility screenings conducted by university staff members will be offered in the rotunda on Saturday at 11 a.m. and again at 2 and 5 p.m., and on Sunday at 1 and 3 p.m. Magnetic resonance imaging (MRI) depictions of common sports injuries will be available for viewing, and free women's health record books will be distributed. Also in the rotunda will be a women's mentoring exhibit, including registration for a drawing for girls 16 and over to spend a day with one of the university's female doctors or nurses.

Contact: Mary Stanik, UMHS Public Relations, (612) 624-4604

9/1/94 ns

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GOVERNOR PROCLAIMS U OF M RAPTOR CENTER RECOGNITION WEEK

In honor of the University of Minnesota's Raptor Center, Gov. Arne Carlson has proclaimed the week of Sept. 18 through 24 as the **Raptor Center 20th Anniversary Recognition Week**. Events will include the release of rehabilitated raptors, live bird exhibits and other raptor-related activities.

The center was founded within the College of Veterinary Medicine in 1974. Since then, the center has earned international recognition for the medical treatment of birds of prey and for pioneering and perfecting avian orthopedic techniques. The center has treated more than 8,000 birds, and has been instrumental in the restoration of endangered species such as bald eagle, peregrine falcon and burrowing owl. Future plans include expanding educational programs, increasing research on avian diseases and fostering public-private partnerships in conservation.

"It's no accident that Minnesota is the only place in the world to have spawned and maintained a program so successful and pivotal in the management and conservation of birds of prey," said center director Pat Redig. "The philanthropy and volunteerism of its citizens, along with their concern for the functional and aesthetic importance of the state's natural resources, is unparalleled."

For detailed information on the week's activities, call (612) 624-4745.

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

Mike Nelson, News Service, (612) 626-7701

9/7/94

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U OF M REGENTS TO DISCUSS LEGISLATIVE STRATEGY, *U 2000* AT MEETINGS THURSDAY AND FRIDAY (SEPT. 8, 9)

The University of Minnesota Board of Regents will review the administration's upcoming budget request to the state Legislature and will vote on a proposed restructuring of central administration at its monthly meetings Thursday and Friday, Sept. 8 and 9.

State officials have asked the university to submit two biennial requests: one that reflects the Finance Department's intention to "cap" university funding at a level \$16 million below its current level, and a second, more optimistic scenario—which the university terms a "partnership" with the state.

The capped request would require tuition increases of 12 percent per year for two years, plus a \$61 million internal cut; the "partnership" request asks for a \$78 million increase in state funding but would still require tuition increases of 5.5 percent for each of the two years and a \$28 million internal cut. In either case, the university would move ahead with expenditures for *University 2000*, a plan to make the university more user-friendly, especially for undergraduates, while preserving its status as one of the country's premier public research institutions.

"This is the most important biennial request in this decade," says university President Nils Hasselmo. "It will set a course for the university, and in many ways, for the state, into the 21st century."

The regents will also:

- Hear a report from Institutional Relations Vice President Mel George on a proposed campaign to garner support for *U 2000* with legislators and the general public; and
- Vote on a proposed restructuring of central administrative officers.

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

Thursday, Sept. 8

- 8:30 a.m. Audit, 300 Morrill. Update on university's Institutional Review Board.
- 10:15 a.m. Facilities, 300 Morrill. Update on deferred maintenance liability.
- 10:15 a.m. Faculty, staff and student affairs, 238 Morrill. Report of university task force on financial aid, vote on collective bargaining agreement with Duluth campus faculty.
- 1:30 p.m. Financial operations and legislative, 300 Morrill. Update on negotiations to sell the Minnesota Supercomputer Center.
- 1:30 p.m., Educational Planning and Policy, 238 Morrill. Update on *U 2000* diversity initiative.
- 3:15 p.m. Board of Regents, 238 Morrill. Non-public meeting to discuss attorney-client privileged matters.

Friday, Sept. 9

• 8:30 a.m. Committee of the Whole, 238 Morrill. Vote on central administration restructuring, review of biennial budget request, review of plan to advance *U 2000*, review of *U 2000* critical measures and benchmarks.

After Committee of the Whole:

• Board of Regents, 238 Morrill.

Contact: Bill Brady, News Service, (612) 625-8510

9/7/94

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U VETERINARY COLLEGE CO-SPONSORS INTERNATIONAL ANIMAL HYGIENE CONGRESS SEPT. 12-16

The International Society for Animal Hygiene will hold its eighth congress—its first in the United States—Monday, Sept. 12, through Friday, Sept. 16, at the Radisson St. Paul Hotel.

The congress, co-sponsored by the University of Minnesota College of Veterinary Medicine and the College of Veterinary Medicine at Washington State University, will focus on such areas as animal housing and well-being, food and environmental safety, and health and productivity research. More than 200 papers will be presented by scientists from more than 30 countries. Several of the papers concern ways to prevent the spread of bacteria such as *E. coli* and *Salmonella* in beef and poultry, as well as means of preventing disease transmission from animals to humans.

Featured speakers include Eugene Moos, U.S. undersecretary of agriculture, who will deliver the opening address at approximately 10:30 a.m. Sept. 12; and Roger Caras, president of the American Society for the Prevention of Cruelty to Animals and former ABC News correspondent, who will speak on "Debt Driven Ethics" at 1 p.m. Sept. 13. Caras will speak at a plenary session on animal well-being that also will feature Connie Greig, a representative from the National Cattlemen's Association, and Monique Eloit, a French veterinarian who chairs the standing committee of the European Convention for the Protection of Animals Kept for Farming Purposes.

The congress is chaired by Stanley Diesch, professor of epidemiology, food hygiene and veterinary public health in the university's College of Veterinary Medicine. Diesch has served as president of the International Society for Animal Hygiene for the past three years.

Contacts: Mary Stanik, Health Sciences Public Relations, (612) 624-4604

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

9/7/94

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U OF M CHILDREN'S LITERATURE COLLECTION TO HOST GALA BENEFIT OCT. 15

A gala benefit for the University of Minnesota's Kerlan Collection of children's literature will be held at 7 p.m. Saturday, Oct. 15, at the Minnesota History Center. 345 Kellogg Blvd. W., St. Paul.

The benefit will feature a silent auction of autographed collectible editions of books and posters, children's literature memorabilia and contributions from local organizations.

The Kerlan Collection contains more than 60,000 children's books and original manuscripts, and illustrations of more than 8,000 titles. Its reading room, located in Walter Library on the university's Minneapolis campus, is open weekdays from 8:30 a.m. to 4:30 p.m.

Tickets may be purchased from the Kerlan Collection, phone (612) 624-4576; and The Red Balloon Bookshop, St. Paul; phone (612) 224-8320.

**Contacts: Karen Hoyle, Kerlan Collection, (612) 624-4576
Nina Shepherd, News Service, (612) 624-0214**

9/10/94

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Sept. 12, 1994

Contact: Nina Shepherd, (612) 624-0214

PUBLIC SERVICE ANNOUNCEMENT

(30 SECONDS) HENRY LOUIS GATES JR, AUTHOR OF THE HIGHLY ACCLAIMED BEST SELLER *COLORED PEOPLE*, WILL GIVE A FREE LECTURE AT 7 P.M. MONDAY, OCTOBER 10TH, AT TED MANN CONCERT HALL ON THE UNIVERSITY OF MINNESOTA'S WEST BANK. GATES IS CONSIDERED ONE OF AMERICA'S MOST INFLUENTIAL SCHOLARS ON AFRICAN-AMERICAN HISTORY AND CULTURE. HIS BOOK IS A MEMOIR ABOUT GROWING UP IN A SMALL WEST VIRGINIA TOWN DURING THE 1950'S AND 60'S. ONCE AGAIN THAT'S HENRY LOUIS GATES JR ON MONDAY, OCT. 10 AT 7 P.M. IN THE UNIVERSITY OF MINNESOTA'S TED MANN HALL.

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U OF M ASTROPHYSICIST FEATURED IN 'TALKING PICTURES'

What does a photo of napalmed children mean? Or a tattoo of the Virgin Mary on a man's thigh? In *Talking Pictures*, a new book of photos, 50 celebrities and non-celebrities describe what their favorite pictures mean to them. Sandwiched in with the likes of G. Gordon Liddy and Diane Keaton is University of Minnesota astrophysicist **Robert Gehrz**, who tells why a photo of the Mount Palomar telescope sends him into flights of fantasy.

The book was conceived and edited by Marvin Heiferman and Carole Kismaric, whose company, *Lookout*, has produced several visual books.

Here is a sampling of people and their favorite photos:

- Tony Bennett: Picasso painting a centaur with a laser torch
- Joan Rivers: *Blackgama* ad featuring Lillian Hellman
- Benjamin Spock: Famous news photo of Vietnamese children running from napalm attack
- Jesse Jackson: Civil rights demonstrators in Birmingham being assaulted with fire hoses
- Charles Schulz: His grandmother, knitting

Gehrz is at 624-7806. To obtain a review copy of the book, call *Lookout* at 212/221-6463.

Contact: Deane Morrison, (612) 624-2346

9/12/94

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UNIVERSITY OF MINNESOTA OCTOBER STARWATCH

by Deane Morrison

In October, the evening sky turns ever darker, with an added boost from the return of standard time on the last Sunday of the month. This year, a full moon spoils the rather meager Orionid meteor shower, and only Mars and Saturn offer good viewing opportunities.

Venus comes out very low in the southwest after sunset. Barely visible, the bright planet is sinking fast as it prepares to whiz between Earth and the sun. In mid-November, it will reappear in the morning sky.

To the upper right of Venus, Jupiter also is poised for a plunge. Clouded by twilight, it has lost its splendor. In December, it too will reappear as a morning "star."

Saturn, front and center in the south at sunset, continues to dominate the evening sky. Shining below the western edge of the Great Square of Pegasus, the ringed planet has the sky to itself for a few hours between the setting of Venus and Jupiter and the rising of Mars.

Mars, finally an evening planet, appears about 1 a.m. on the 1st, but shortly after 11 p.m. on the 31st, the large difference resulting mostly from the change to standard time. On the 17th and 18th, use binoculars to find the mysterious red planet among the stars of the Beehive cluster. During the next eight months, Mars will perform an elegant looping maneuver near Regulus, in Leo. Mars moves eastward, past Regulus, until January, then westward until April, when it resumes its eastward motion. In actuality, Mars, like all the other planets, always moves eastward against the stars. But when Earth, on its faster, inside orbit, overtakes the planet, it appears to move westward.

Mercury pops into the morning sky late in the month. Look for it in the east shortly after dawn, a little lower than and south of the bright star Arcturus.

The young crescent moon joins Jupiter and Venus on the 6th and 7th. The full moon arrives on the 19th and dampens the Orionid meteor shower in the predawn hours of the 20th. This moon was

known to some Indian tribes as the hunter's moon because at this time of year the deer are fattened and ready to be hunted.

October makes for good starwatching because skies tend to be dark and clear, and the winter cold hasn't set in yet. You might try to spot the Andromeda galaxy between the Great Square of Pegasus and the more northerly Cassiopeia's Chair. Follow the stars of Andromeda, which extend in a double line from the northeastern corner of the Great Square. Just above the middle of Andromeda, toward Cassiopeia, the galaxy is visible as a faint fuzzy oval of light.

Below Andromeda hangs tiny Aries, the ram. Aries comprises just a few stars in a slightly curved pattern. Between Aries and Andromeda, a thin triangle of stars, appropriately named Triangulum, points southwest. East of Aries, the beautiful Pleiades cluster of Taurus heralds the advent of fall.

Standard time returns at 2 a.m. on the 30th. Clocks should be set back an hour.

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

Contact: Deane Morrison, (612) 624-2346

9/13/94

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Media note: Davis is available for interviews at (612) 624-2535.

NORTHROP MALL RALLY TO KICK OFF U OF M COLLEGE OF LIBERAL ARTS 125TH ANNIVERSARY

The University of Minnesota's largest college, the College of Liberal Arts (CLA), will kick off its 125th year with a Northrop Mall rally at noon Thursday, Sept. 22, the first day of classes at the "U." New and returning students will be greeted by CLA dean Julia Davis and university President Nils Hasselmo. The marching band, part of CLA's School of Music, will play for the lunchtime crowd, and members of the Gopher football and volleyball squads will be introduced. After the rally, the Minnesota Shakespeare Theatre Company will perform on the mall.

The anniversary celebration continues Wednesday, Sept. 28, with the first of a series of *Directions* luncheon lectures. Retired faculty member Edith Mucke will speak on journal writing at noon at the Marquette Hotel Conference Center in Minneapolis. The pace of special lectures and discussion panels picks up during Homecoming week, Oct. 10 through 15, and throughout the school year, with a number of prominent public figures and CLA alumni participating.

What is now CLA began in 1869 as a university unit known as Science, Literature and the Arts (SLA). Its primary purpose was the education of future teachers in those disciplines. After World War II, emphasis shifted to a more general arts and science curriculum for students, who were expected to "turn their social intelligence ... into social leadership." In 1963, the sciences were removed from SLA, necessitating the name change to CLA.

Explosive growth of the college mirrored that of the Twin Cities campus during the late 50s and 60s. Eventually, demand began outstripping resources, and the need to cut back became apparent. CLA's enrollment peaked at 18,000 students in 1986. This fall, an enrollment of just under 15,000 is expected.

"Our celebration occurs at a time of uncertainty," said Davis. "Much of what we do is not seen by the public as central to its needs. We must renew our efforts to show the value of the liberal arts. When we say 'liberal,' we're using its original Latin meaning, 'to free.' Liberal education enhances our ability to think, freeing us to experience the joy of learning."

Contacts: Angela Pierce, CLA, (612) 625-5031

Bill Brady, University News Service, (612) 625-8510

9/15/94

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HIBBING'S MESABA CLINIC AND MESABI REGIONAL MEDICAL CENTER AGREE TO ALLIANCE WITH U OF M HEALTH SYSTEM

The University of Minnesota Health System (UMHS) has reached preliminary agreement for an expanded relationship with two healthcare organizations in Hibbing. The board of directors of the Mesabi Regional Medical Center (MRMC) has decided to exclusively negotiate with UMHS for the purpose of becoming an affiliate organization of UMHS.

Separately, officials of UMHS and the Mesaba Clinic, a 15-member physician group based in Hibbing, have signed a letter of intent to plan for an affiliation through which the Mesaba Clinic will be linked with UMHS.

Both sets of discussions are expected to take three to four months to reach closure and are subject to the approval of the involved governing boards.

"UMHS is proud of the longstanding relationship that we have had with MRMC, the Mesaba Clinic, and other providers in the area," said Greg Hart, UMHS president. "We look forward to solidifying these relationships through these affiliations. Collaboration among health care providers is the best way to serve the community as our healthcare system becomes reformed, and the educational aspects of these affiliations also will help us better serve the state."

"Mesabi Regional Medical Center has had a longstanding relationship with the University of Minnesota Health System, and through this announcement, looks to strengthen this relationship, reaffirm our commitment to plan for the future and develop new linkages that will allow enhanced services for the people of our area," said Frances Gardeski, MRMC chief executive officer.

"The signing of the letter of intent between the Mesaba Clinic and UMHS represents the next step in the discussions between our two organizations, which have proceeded nicely over the past several months," said Dr. Michael Heck, Mesaba Clinic president. "We are pleased to see that the university and Mesabi Regional Medical Center are now entering into more serious negotiations. These connections allow us to better serve our region, and the patient care and educational linkages with the university will be valuable assets for all of us."

Contact: Mary Stanik (612) 624-4604

9/16/94 ns

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PARTY AT MALL OF AMERICA TO BENEFIT U OF M'S BELL MUSEUM

The Rainforest Cafe at the Mall of America will host a party to benefit the University of Minnesota's James Ford Bell Museum of Natural History from 6 to 9 p.m. Saturday, Oct. 1. The party will also preview the Rainforest Cafe, which boasts an 11-ton aquarium, exotic birds, hut settings, waterfalls and live and mechanical animals.

The event includes entertainment, ecocelebrities and a buffet dinner. Cost is \$50 for adults, \$40 for Bell Museum members and \$35 for children 12 and under. The Rainforest Cafe is located on the ground floor of the Mall of America in the Bloomingdale's court, with parking in the east parking area.

Established in 1872, the Bell Museum encourages curiosity and understanding of the natural world through research, teaching and public education in the natural sciences.

Contact: Byron Webster, Bell Museum, (612) 624-0225
Mike Nelson, News Service, (612) 626-7701

9/21/94

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JAMES BLANCHARD, AMBASSADOR TO CANADA, TO SPEAK ON NAFTA OCT. 15

James Blanchard, U.S. ambassador to Canada and 1968 graduate of the University of Minnesota Law School, will conduct a seminar on *The Effect of NAFTA on Relations Between the United States and Canada* at 10 a.m. Saturday, Oct. 15, in room 25 of the university's Law Center.

Blanchard has held several posts in, or representing, Michigan: he was assistant attorney general from 1969 to 1974, Congressman from 1975 to 1983 and governor from 1983 to 1991. In 1992, he chaired the Clinton campaign in that state. He is a partner in the Washington, D.C. law firm of Ferner, Lilip, Fert, Bernhard, McPherson and Hand.

The seminar is the latest in the Law School's Homecoming Continuing Legal Education (CLE) series. There is no charge, and two hours CLE credit is available. The Law Center is located at 229 19th Ave. S. in Minneapolis. For more information, call the Law Alumni office at (612) 625-8034.

Contact: Kristi Rudelius-Palmer, (612) 626-7794

9/21/94 dm

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U OF M TO HOST READING CONFERENCE OCT. 6-8

The First R: A Right of All Children is the theme for the inaugural Guy Bond Commemorative Reading Conference, hosted by the University of Minnesota's College of Education Thursday, Oct. 6, through Saturday, Oct. 8, at Coffman Union on the university's Minneapolis campus. The conference will focus on giving educators the best possible instruction for assisting children who have difficulty learning to read.

Ernest Boyer, president of the Carnegie Foundation for the Advancement of Teaching and U.S. commissioner of education during the Carter administration, will deliver the keynote address, *Literacy and Learning*, and the conference will feature leading scholars and educators from around the country.

The conference is made possible by the recently endowed Guy Bond Professorship in Reading, created to honor the late University of Minnesota professor who established a reputation as one of America's foremost reading educators. The professorship will enable educators to further enrich the distinguished Minnesota Reading Education Program and promote literacy throughout the state and nationally.

Contacts: Mike Graves, College of Education, (612) 625-2390

Nancy Grubb, Conference Services, (612) 625-6358

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U OF M'S HUMPHREY FORUM TO EXAMINE THE AMERICAN COMMUNITY

The perception that the American community is breaking down along cultural and ethnic divisions will be explored in a Humphrey Institute Policy Forum conference, *The American Community: Melting Pot or Boiling Point?* beginning at 11:30 a.m. Friday, Oct. 7, and 8:30 a.m. Saturday, Oct. 8, in Cowles Auditorium at the university's Humphrey Institute. The forum is directed by U.S. Representative Tim Penny and former U.S. Representative Vin Weber.

The forum will address the perception that America is moving toward a society characterized less by national goals than by an emphasis on groups and special interests. These perceptions are reflected in the current controversy surrounding immigration to the United States, the multiculturalism debate on college campuses and the increasing difficulty of achieving consensus on domestic policy issues.

Speakers include Ada E. Deer, assistant secretary of the interior for Indian affairs; Andrei Codrescu, National Public Radio commentator and essayist; Amitai Etzioni, co-founder of a movement to revitalize citizen participation in government (from which President Clinton has adopted themes); Clarence Page, *Chicago Tribune* columnist; and Michael Novak, American Enterprise Institute.

This conference is the first under the leadership of Penny and Weber, who became co-directors of what had been the Mondale Policy Forum.

The Humphrey Institute is located at 301 19th Ave. S. in Minneapolis. Cost of the conference is \$70. For more information or to register, call Janna Wallin Haug at (612) 625-2530.

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

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DESIGNER TANYA MOISEIWITSCH TO RECEIVE U OF M HONORARY DEGREE SEPT. 29

Stage and costume designer Tanya Moiseiwitsch will receive an honorary doctor of humane letters degree from the University of Minnesota Thursday, Sept. 29, at a benefit dinner in her honor. Moiseiwitsch will receive the award at 8:30 p.m. during the opening of the Weisman Art Museum's retrospective, *The Stage is All the World: The Theatrical Designs of Tanya Moiseiwitsch*.

The award honors Moiseiwitsch's influence on 20th century stage design, her pioneering use of the thrust stage and her contributions in establishing Minneapolis as a center for regional theater.

A native of London, Moiseiwitsch has designed sets and costumes for theaters and opera houses on three continents. Among her creations are Canada's Stratford Festival stage in Ontario and the thrust stage for the Guthrie Theatre in Minneapolis.

The event is sponsored by the university's Department of Theatre Arts and Dance and the College of Liberal Arts. For ticket information, call 625-9494.

**Contacts: Nina Shepherd, News Service, (612) 624-0214
Robert Bitzan, Weisman Art Museum, (612) 625-9678**

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FRANK CERRA NAMED INTERIM SURGERY CHIEF AT U OF M

Dr. Frank Cerra, professor of surgery, was named to a one-year term as interim head of the surgery department at the University of Minnesota Monday, Sept. 26, by Dr. Shelley Chou, interim dean of the university's Medical School.

Cerra, a member of the university faculty since 1982, replaces Dr. Edward Humphrey, a former surgery chief at the Minneapolis Veterans Administration Medical Center who is retiring from academic medicine. Humphrey became acting head of the department in February 1993, following the resignation of Dr. John Najarian.

A search committee for a permanent department head will be assembled when a permanent Medical School dean is appointed.

Contact: Mary Stanik, (612) 624-4604

9/27/94 ns

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U OF M LECTURE SERIES PRESENTS RUBY DEE AND OSSIE DAVIS

The University of Minnesota's Humphrey Institute will present actors Ruby Dee and Ossie Davis as Distinguished Carlson Lecturers at 12:15 p.m. Monday, Oct. 17, at Northrop Auditorium.

The program, *In Other Words ... A History of the American Minority Experience*, is a mixture of dramatic readings and historical presentations of the experiences of America's diverse communities of color.

Dee and Davis' most recent work includes roles in the Spike Lee films *Do the Right Thing* and *Jungle Fever*. They have produced several acclaimed programs for the Public Broadcasting System, including *A Walk Through the 20th Century with Bill Moyers*.

Dee recently appeared in the television adaptation of Stephen King's *The Stand*. She won an Emmy for her role in the television production *Decoration Day* and appeared in Alex Haley's *Roots, The Next Generation*.

Davis is featured regularly on television's *Evening Shade* and appeared in *Queen*, a made-for-television movie written by Alex Haley. Davis received an Emmy nomination for his role in the television production *King* and has directed several movies.

Dee and Davis were inducted into the NAACP Image Award Hall of Fame in 1989. Their presentation is free and open to the public. Tickets can be reserved by calling (612) 625-6688 or 625-3471, and are available at all Ticketmaster outlets.

The Distinguished Carlson Lecture Series is made possible by a \$1 million grant from Curtis L. Carlson, founder and board chair of Carlson Companies. The series is managed by the Humphrey Institute's Office of Development and External Relations.

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

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INTERNATIONAL PEACE AND FOOD REPORT TO BE RELEASED AT U OF M

Advance copies of a major international report calling for radical changes in systems of global governance will be released at a press conference at noon Friday, Sept. 30, at the Humphrey Institute.

The report, titled *Uncommon Opportunities*, calls for the creation of a standing world army, recognition of full employment as a fundamental right, the elimination of protectionist trade policies worldwide, restructuring of the United Nations and the redirection of military resources to reach global environmental and development objectives. It will be released by India's M.S. Swaminathan, chair of the International Commission on Peace and Food.

According to Federico Mayor, director general of the United Nations Educational, Scientific and Cultural Organization, the report will cause "some sharp intakes of breath among world leaders" when it is officially released by U.N. officials in New York and Paris next month.

Mayor and Swaminathan are in Minneapolis for the 1994 Assembly of the World Academy of Art and Science, a major gathering of international policy-makers, scientists and intellectual leaders hosted by the Humphrey Institute through Oct. 1.

The Humphrey Institute is located at 301 19th Ave. S. on the university's west bank in Minneapolis. For information about assembly events call Ken Darling, 371-9391, or Harlan Cleveland, 624-5592.

**Contacts: Gwen Ruff, Humphrey Institute, (612) 625-1326
Mike Nelson, News Service, (612) 626-7701**

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MARTIN COUNTY U OF M ALUMNI MEETING FEATURES BIOTECHNOLOGY TALK

Alan Hunter, animal science professor at the University of Minnesota, will speak on "Biotechnology: Dream, Reality, or Nightmare?" at the annual meeting of the University of Minnesota Alumni Association's Martin County Chapter Tuesday, Nov. 1. The event will be held at 6 p.m. in the Holiday Inn at I-90 and Hwy. 15 in Fairmont.

Hunter, who joined the university in 1963, was selected the Outstanding Teacher of the Year in 1990 by the College of Agriculture Student Board. In 1992 he won the college's Distinguished Teaching Award. He has held appointments as visiting professor at Cornell University (1970) and as visiting scholar at the Institute of Animal Physiology in Cambridge, England (1985).

Cost for the event is \$9 and includes a turkey dinner. Reservations should be made by Oct. 28. For more information call Arnie Bentz at (507) 776-2510, or Cap Hegdal at (507) 238-2395.

Contact: Deane Morrison, (612) 624-2346

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U OF M'S HUMPHREY INSTITUTE CONFERENCE TO EXAMINE RACE RELATIONS

A conference to explore contemporary race relations and remedies to racial inequality will be held Sunday, Oct. 16, through Tuesday, Oct. 18, at the University of Minnesota's Humphrey Institute in Minneapolis. The conference is presented by the Roy Wilkins Center for Human Relations and Social Justice at the Humphrey Institute.

The conference will feature open debate and discussion with perspectives from the left, right and center, along with informal dialogues with national and local scholars, policy-makers, agency directors and community activists.

Sessions will include *Contemporary Race Relations: Challenges for Re-establishing a Civil Rights Agenda; Remedies to Racial Inequality; and Delivering the Message: Music, Television, Film and Theater*. Speakers include civil rights activist Dorothy Cotton; *Race Relations Report* senior editor Rich Benjamin; Bernard E. Anderson, assistant U.S. labor secretary for employment standards; and William Darity, University of North Carolina-Chapel Hill professor. In connection with the conference, Ruby Dee and Ossie Davis will present *In Other Words ... A History of the American Minority Experience* as a Distinguished Carlson Lecture at 12:15 p.m. Monday, Oct. 17, in Northrop Auditorium.

The conference begins Oct. 16 with a 5 p.m. reception at the Humphrey Center. Sessions begin at 8:30 a.m. on Oct. 17 and 18. Cost of the conference is \$99; \$20 for students. To register, call 625-4331.

Contacts: Jennifer Williams, Humphrey Institute, (612) 626-9496
Gwen Ruff, Humphrey Institute, (612) 625-1326

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Media note: CLA will have an interview room in Coffman Union for all three days of its Homecoming celebration. To arrange interviews with participants, call Bill Brady, (612) 625-8510.

CLA SUCCESS STORIES COME HOME FOR U OF M CELEBRATION

The founder of *People* magazine, one of America's foremost political commentators and one of Time-Warner's highest-ranking African-American executives are among the University of Minnesota's College of Liberal Arts (CLA) alumni who'll speak on campus during CLA's 125th anniversary Homecoming celebration, Oct. 13-15. Most events will take place in Coffman Union.

People founding publisher Dick Durrell ('48) will speak at 4:30 p.m. Thursday, Oct. 13. Joining him will be *Mpls-St. Paul* editor Brian Anderson ('66) and *Golf Digest* senior editor Dwayne Netland ('54).

Political commentator Norm Ornstein ('67), a staple on the *MacNeil-Lehrer NewsHour* and other TV news shows, will join former congressional representatives Gerry Sikorski ('70) and Vin Weber ('93) in addressing the future of American politics at 5:30 p.m. Thursday. Les Edwards ('76), Time-Warner's vice president of community affairs, speaks on corporate image in the public eye at 3 p.m. Friday.

A registration fee of \$15 ensures entrance to all discussion panels, more than 20 of which are scheduled. The celebration also includes a CLA alumni reunion banquet at 6 p.m. Friday, Oct. 14.

Here are highlights of the schedule and participants:

Thursday, Oct. 13

- **Innovative Inventors**, 1 p.m. Leopold Hauser, Personal Dynamics Institute ('55); John Michaelson ('90), Seedz Company; Boris Popov ('70), Ballistic Recovery Systems.
- **I'd Wear More Boas—A Time to Laugh**, 2 p.m. Marilyn Belgum ('46), humorist.
- **Changing Role of Women**, 3 p.m. Roxanne Givens ('73), Legacy Management CEO ; U.S. District Judge Diana Murphy ('54); Margo Siegel ('44), Siegel Properties president.
- **Creating a Magazine**, 4:30 p.m. Durrell, Anderson, Netland.
- **Future of American Politics**, 5:30 p.m. Ornstein, Sikorski, Weber.

(OVER)

Friday, Oct. 14

- **Race Relations in Urban America**, 9:30 a.m. Karen Rotschafer ('88), legal counsel to Los Angeles Mayor Richard Riordan; Gary Orfield ('63), Harvard professor; Herman Milligan Jr. ('82), Minneapolis Commission on Civil Rights.
- **Writers and Writing**, 10 a.m. James Lileks, syndicated columnist.
- **A Picture is Worth ...**, 10 a.m. Richard Olsenius, free-lance National Geographic photographer; Bill Davis, Newsday Inc. photographer; Smitty Schuneman, ('66), Media Loft.
- **A Societal View of Media Ethics**, noon. Ron Handberg ('60), KTCA-TV news; D.J. Leary ('61), political consultant; Steve Dornfield ('69), *Pioneer Press*; Kate Stanley, *Star Tribune*.
- **Liberal Arts Entrepreneurs**, 2:30 p.m. Rondi Erickson ('69), Bay West Environmental; Pinky McNamara ('56), Activar; Dave Mona ('65), Mona Meyer McGrath & Gavin; Kathryn Tunheim ('79), Tunheim Santrizos.
- **Corporate Image in the Public Eye**, 3 p.m. Edwards.

Saturday, Oct. 15

- **Historical Perspective of the University's Presence in the Twin Cities Community**, 10 a.m. History professor Hy Berman.

Contact: Bill Brady, University News Service, (612) 625-8510

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AREA STUDENT RECIPIENT OF THE PRESTIGIOUS PRESIDENTIAL SCHOLARSHIP AT U OF MINNESOTA

Jeanna Marie Wacker, daughter of Robert and Gail Wacker of New Germany, has been awarded the prestigious Presidential Scholarship at the University of Minnesota–Twin Cities for 1994-95.

In awarding the highly competitive Presidential Scholarship, the University of Minnesota–Twin Cities honors incoming students who have demonstrated exceptional academic performance and leadership. The University presents the award in recognition of the achievements and potential of the most promising incoming freshmen—students who will continue to distinguish themselves as campus leaders and as outstanding University scholars.

Wacker, a 1994 graduate of Lester Prairie High School, will be a freshman at the University of Minnesota–Twin Cities this fall, majoring in biomedical engineering.

Scholarship recipients are invited to participate in the University Scholars Program, a co-curricular program for Presidential Scholars as well as other scholarship winners. As a group, University Scholars participate in academic, cultural, social, and community service activities that promote both friendship and learning and give scholars an opportunity to develop their leadership skills.

Contact: Bob San (612) 624-4082

September, 1994

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MARTIN COUNTY U OF M ALUMNI MEETING FEATURES BIOTECHNOLOGY TALK

Alan Hunter, animal science professor at the University of Minnesota, will speak on "Biotechnology: Dream, Reality, or Nightmare?" at the annual meeting of the University of Minnesota Alumni Association's Martin County Chapter Tuesday, Nov. 1. The event will be held at 6 p.m. in the Holiday Inn at I-90 and Hwy. 15 in Fairmont.

Hunter, who joined the university in 1963, was selected the Outstanding Teacher of the Year in 1990 by the College of Agriculture Student Board. In 1992 he won the college's Distinguished Teaching Award. He has held appointments as visiting professor at Cornell University (1970) and as visiting scholar at the Institute of Animal Physiology in Cambridge, England (1985).

Cost for the event is \$9 and includes a turkey dinner. Reservations should be made by Oct. 28. For more information call Arnie Bentz at (507) 776-2510, or Cap Hegdal at (507) 238-2395.

Contact: Deane Morrison, (612) 624-2346

9/29/94

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"YOU'RE A GOOD MAN, CHARLES SCHULZ"; PEANUTS CREATOR TO GET HONORARY DEGREE FROM U OF M

Charles Schulz, creator of *Peanuts*, the most widely distributed comic strip in the world, will receive an honorary doctor of humane letters degree from the University of Minnesota at 4 p.m. Sunday, Oct. 2, at the St. Paul Union Depot. The degree will be conferred during a homecoming reception for the St. Paul native hosted by friends and family and benefiting Canine Companions for Independence, a non-profit organization that provides assistance dogs for people with handicaps other than blindness.

The honorary degree will be conferred on the 44th anniversary of the day *Peanuts* first appeared under that name. Schulz began drawing *Li'l Folks* for the St. Paul *Pioneer Press* in 1947, but his big break came in 1950, when United Features Syndicate picked up the strip and renamed it. The original group of seven newspapers has now grown to 2,400 in 68 countries. The *Peanuts* empire also includes 40 animated TV specials, 1,400 books, four feature films and thousands of products adorned with Snoopy, Charlie Brown and company.

"The comic strip is one of America's native art forms, and Charles Schulz is one of its native geniuses," said University President Nils Hasselmo, who will preside over the ceremony along with Regent Hyon Kim. "He explores the human condition with great subtlety and sophistication. His gentle wit and respect for a child's perspective touches all ages and cultures. Snoopy, Charlie Brown and friends have taught us a great deal about being human."

The nomination of Schulz for the honorary degree came from the university's College of Liberal Arts.

Contact: Bill Brady, (612) 625-8510

9/30/94

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Media note: Manitoba Premier Gary Filmon will be available to talk with reporters in the Humphrey Institute's Wilkins Room (Room 215) from 11:45 a.m. to noon.

U OF M'S HUMPHREY INSTITUTE TO HOST SUSTAINABLE DEVELOPMENT FORUM

Manitoba Premier Gary Filmon and Minnesota Attorney General Hubert H. (Skip) Humphrey III will participate in a forum on sustainable development for the U.S.- Canadian Great Plains from 2:30-4:30 p.m. Wednesday, Oct. 5, in the Humphrey Institute's Cowles Auditorium.

The forum, part of a two-day conference on sustainable development, will be broadcast via satellite. The goal of the forum is to craft a framework for sustainable development and establish a regional sustainability council. Sustainable development is defined as meeting current needs while safeguarding resources for continued, future use. The concept is becoming more widely applied in policy-making and was discussed by the World Commission on Environment and Development at the Earth Summit held in Rio de Janeiro in 1992.

During the forum, U.S. and Canadian government officials and leaders in farming, industry, education and environmental policy will discuss the economic, social and environmental challenges facing the prairies and talk about a transnational strategy for sustainable development policies. Reports from the Minnesota Sustainable Development Initiative and the International Institute for Sustainable Development will be discussed. Other participants include G. Edward Schuh, Humphrey Institute; John Chell, Minnesota Environmental Quality Board; and Robert Sopuck, executive director of the Government of Manitoba's Sustainable Development Coordinating Unit.

The forum is free and open to the public.

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

10/3/94 mn

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U OF M TO CO-SPONSOR PRIMARY NURSING ANNIVERSARY SYMPOSIUM OCT. 11

A symposium honoring the 25th anniversary of primary nursing, a concept developed at the University of Minnesota that revolutionized patient care, will be held Tuesday, Oct. 11, at the Radisson Hotel Metrodome, 615 Washington Ave. S.E., Minneapolis.

The symposium, co-sponsored by the University of Minnesota Health System (UMHS) and Creative Nursing Management Inc. of Minneapolis, will feature local and international nursing leaders, including Tom Keighley, director of nursing at the University of Leeds in Great Britain, and Joanne Disch, UMHS senior associate director and patient/family services director.

Primary nursing, based on the idea of one nurse accepting responsibility for managing the care of one patient, is one of the most widely used patient care delivery systems in the world. It has been adopted as the nursing model for all hospitals in Great Britain. It also is credited with empowering nurses to implement changes within their work settings.

Marie Manthey, who developed primary nursing in 1969 when she was associate director of nursing at the University Hospital, will discuss primary nursing's past, present, and future applications at 8:30 a.m. Manthey is currently president of Creative Nursing Management Inc.

Contacts: Mary Jo Kreitzer, (612) 625-3977

Susan Lampe, (612) 339-7766

10/4/94 ns

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NEWS AND 'INFOTAINMENT' TO BE SCRUTINIZED AT U OF M OCT. 13

CBS News Correspondent Jacqueline Adams and *New York Times* assistant managing editor Gerald Boyd will deliver the 1994 Silha Lecture, *The Role of News in a World of Infotainment*, at 1 p.m. Thursday, Oct. 13, in the University of Minnesota's Bell Museum Auditorium.

Adams and Boyd will be joined for a panel discussion at 3:15 p.m. by *Washington Post* ombudsman Joann Byrd, Washington and Lee University ethics professor Louis Hodges and Robert McKay Steele, director of the journalism ethics program at the Poynter Institute for Media Studies in St. Petersburg, Fla. Both lecture and panel discussion are free; no reservations are required.

"What is news in a world of infotainment?" asked Bill Babcock, associate director of the university's Silha Center for the Study of Media Ethics and Law. "I can't think of a more timely topic, given the proliferation of pseudo-news TV shows, blather-filled talk radio and sleazy tabloid print journalism."

Jacqueline Adams reports on issues affecting children and families for the *CBS Evening News*, *48 Hours* and other CBS news programs. She won an Emmy in 1990 for a *48 Hours* report and holds an MBA from Harvard Graduate School of Business Administration.

Gerald Boyd was White House correspondent for the *St. Louis Post-Dispatch* before joining the *New York Times* in 1983. He was named assistant managing editor in 1993. A former president of the St. Louis Association of Black Journalists, he has also been an instructor at Howard University.

The Silha Center, founded in 1984 with an endowment from Otto and Helen Silha, is devoted to the study of major legal and ethical issues in journalism and mass communication. It sponsors a variety of activities, including an annual lecture series and a graduate fellowship program.

The Bell Museum is located at 10 Church St. S.E. on the university's east bank campus.

10/4/94 bb

Contact: Kathleen Paul, Silha Center, (612) 625-3421

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U OF M HOMECOMING '94 PHOTO/SOUND OPS

Here is information on the University of Minnesota's Homecoming festivities, Oct. 8 to 15:

Saturday, Oct. 8

- **Community Service Day**, 8 a.m., Northrop Plaza. Volunteers gather before fanning out to community service activities from construction and raking yards for Habitat for Humanity to sorting clothes for Goodwill/Easter Seals.

Monday, Oct. 10

- **Kick-off Picnics**, noon, Northrop Mall and St. Paul Student Center.

Tuesday, Oct. 11

- **Cheering Preliminary Competition**, 2 p.m., West Bank Plaza.

Wednesday, Oct. 12

- **Commuter Day**, 7 a.m., Parking lots. Free parking in carpool lots all day, refreshments at all parking lots 7:30 to 9 a.m.

Thursday, Oct. 13

- **Cheer Competition Finals**, 2 p.m., Coffman Plaza.

Friday, Oct. 14

- College of Liberal Arts (CLA) 125th Anniversary **Alumni Reunion Dinner**, 6 p.m., Great Hall, Coffman Union. Prominent alumni from five decades will be guest speakers: business executive **Curt Carlson** ('37), Hollywood producer-director **Jack Smight** ('49), football star-turned entrepreneur **Pinky McNamara** ('56), humorist **Garrison Keillor** ('66), Time-Warner executive **Les Edwards** ('76) and attorney **Karen Rotschafer** ('88).

- **Pepfest**, 7 p.m. Sports Pavilion (adjacent to Williams Arena), with football coach Jim Wacker, Men's Athletic Director McKinley Boston, honorary athletic Homecoming king Chad Erpelding (senior, Minneapolis, diving) and queen Kara Martin (senior, Lincoln, Neb., diving).

- **Bonfire and Royalty Coronation**, 8:30 p.m., Sanford Field, next to Sanford Hall, 1122 University Ave. S.E.

- **Midnight Madness**, 10:30 p.m., Williams Arena. First rock concert ever in Williams Arena, with R & B band *Hoopsnakes*, followed at midnight by men's basketball team's inaugural season scrimmage and slam-dunk contest. Free admission.

(MORE)

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U OF M TO HOST AMERICAN INDIAN HIGHER EDUCATION CONSORTIUM

The University of Minnesota, along with university President Nils Hasselmo, will host a reception honoring the American Indian Higher Education Consortium (AIHEC) at 5 p.m. Thursday, Oct. 13, at the Frederick R. Weisman Art Museum.

The AIHEC was founded in 1972 to address developmental problems common to tribally controlled colleges. Currently, the consortium is the cooperative effort of 31 U.S. and Canadian member institutions.

Located on or near Indian reservations across the nation, tribal colleges serve more than 16,000 Indian students with vocational, technical, two-year, four-year and graduate programs.

The reception includes a 5:30 p.m. program featuring a traditional Lakota welcome by Elder Jim Clairmont of the Lakota Nation in Rosebud, S.D. The event will be held in the Dolly Fiterman Riverview Gallery of the art museum, located at 333 East River Road on the university's east bank.

Contact: Mike Nelson, News Service, (612) 626-7701

10/11/94 mn

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U OF M TO HOST GRADUATE/PROFESSIONAL SCHOOL DAY OCT. 26

People interested in graduate or professional education are invited to the University of Minnesota's 15th annual Graduate/Professional School Day on Wednesday, Oct. 26. The event will be held from 10 a.m. to 3 p.m. at Coffman Union, 300 Washington Ave. S.E., on the Minneapolis campus.

Representatives from more than 70 colleges and universities will be available to discuss graduate-level programs in law, business, arts, science, medicine, public affairs, health sciences, education, theology and other fields. Participants can also receive information about admission requirements and financial aid.

Admission is free. The event is sponsored by the university's College of Liberal Arts Career Development Office.

Contact: Robert Oliphant, Career Development Office, (612) 624-7505

10/12/94 dm

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U OF M'S BELL MUSEUM OFFERS CREEPY, CRAWLY CREATURES FOR HALLOWEEN FUN

The University of Minnesota's James Ford Bell Museum of Natural History will offer *Halloween Haunts* from 1 to 4:30 p.m. Sunday, Oct. 30, at the museum and area grounds.

Visitors will have the opportunity to meet creepy, crawly creatures, witches and the amazing marsh monster. The event will also include pumpkin carving, spooky sing alongs and sandhill crane dance lessons. Attendees are encouraged to wear costumes.

The Bell Museum is located at 10 Church St. S.E. on the university's east bank. For more information call 624-7083.

Contact: Mike Nelson, News Service, (612) 626-7701

10/12/94

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Media note: all regents meetings are taking place on Thursday this month.

U OF M REGENTS TO VOTE ON LEGISLATIVE REQUEST THURSDAY

The University of Minnesota Board of Regents will vote on the administration's budget request to the state Legislature at its monthly meetings Thursday, Oct. 13. The request contains the first major investments in *University 2000*, a long-range plan to take the university into the 21st century.

The administration is calling for a "biennial budget partnership" in which the university, its students and the state Legislature all make an investment. Having identified \$137.7 million in needed increases, it proposes \$77.7 million come from an increase in state funds, \$30.3 million from tuition increases, \$1.5 million in other revenue increases and \$28.2 million from internal reallocations. If the added state funding does not materialize, university President Nils Hasselmo has urged that the university move ahead with the increased investment on its own, which would require much steeper tuition increases and more than \$61 million in internal reallocations.

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

- 8:30 a.m. Financial operations and legislative, 238 Morrill. Annual report on asset and debt management.
- 8:30 a.m. Educational planning and policy, 300 Morrill. Report on information technology initiatives.
- 10:15 a.m. Facilities, 238 Morrill. Vote on Washington Avenue pedestrian bridge repair.
- 10:15 a.m. Faculty, staff and student affairs, 300 Morrill. Commission on Women report.
- 2 p.m. Committee of the whole, 238 Morrill. Vote on biennial budget request.

After Committee of the Whole:

- Board of Regents, 238 Morrill.

Contact: Bill Brady, (612) 625-8510

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FRED MORRISON NAMED U OF M LAW SCHOOL ACTING DEAN

Fred Morrison, the Oppenheimer Wolff and Donnelly Professor of Law at the University of Minnesota, has been named acting dean of the Law School. He will replace Robert Stein, who is leaving to become executive director of the American Bar Association.

A search committee, headed by law professor Philip Frickey, aims to find a permanent dean by next summer.

Morrison has taught constitutional law and international law at the university since 1969. During that time he has taken three year-long leaves to serve as, respectively, Fulbright Visiting Professor in Bonn, Germany; the Counselor on International Law at the State Department; and consultant to the Popham Haik Schnobrich and Kaufman law firm in Minneapolis.

In recent years he has chaired the Law School's international programs and planning committees, held major responsibility for budgetary matters and served on the University Finance Committee. He was also acting director of the Law Library for two years.

Morrison stressed his desire to continue Stein's policies and preserve the working atmosphere that prevailed during Stein's deanship.

"I will try to continue Bob Stein's record of contacts with alumni and members of the bar," he said.

Contact: Deane Morrison, (612) 624-2346

10/14/94

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U OF M'S HUMPHREY INSTITUTE HOSTS ROUND TABLE ON CENTRAL AND EASTERN EUROPE ENVIRONMENTAL CLEANUP OCT. 17

The University of Minnesota's Humphrey Institute will host a roundtable discussion on environmental cleanup in Central and Eastern Europe from 10:30 to 11:30 a.m. Monday, Oct. 17, in the Campus Club (Room 626) of Coffman Union. The roundtable is part of the institute's Environmental Training Project (ETP) annual meeting.

ETP was established in 1992 to provide environmental education and technical and legislative training in Bulgaria, the Czech Republic, Hungary, Poland, Romania and Slovakia. The project stresses sustainable development, in which resources are safeguarded for future use. The project's training programs have been adopted by universities and other educational institutions throughout Central and Eastern Europe.

"The project not only contributes to the political and economic stability of these countries in transition, but aids in the cleanup of an environmental problem of global proportions," said project director Zbigniew Bochniarz.

Bochniarz and Humphrey Institute Dean G. Edward Schuh will host the discussion by program coordinators from the countries involved in the project. Representatives from other project partners, including the World Wildlife Fund, Vermont's Institute for Sustainable Communities and the University of Pittsburgh's Center for Hazardous Materials Research, will also participate.

**Contacts: Jane Bruss, ETP, (612) 626-7693
Gwen Ruff, Humphrey Institute, (612) 625-1326**

10/14/94 mn

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U OF M TO HOST AMERICAN STUDIES CONFERENCE OCT. 20-23

The University of Minnesota's American studies program will celebrate its 50th anniversary as a doctoral degree-granting program with a conference, *American Studies After 50 Years: Retrospective and Prospect at the University of Minnesota*, Thursday, Oct. 20, through Sunday, Oct. 23. The event will be held at various locations on the Minneapolis campus.

The conference will feature scholars and former faculty speaking about their work, debating issues of American studies and discussing how the field has changed over the years. Renowned past leaders of the department such as George Hage, Mulford Sibley, Bernard Bowron, Termaine McDowell and Mary Turpie will also be honored.

The public is welcome to attend open sessions, but registration is required for those attending the entire conference. For more information or to register, call Shirley Mueffelman at (612) 625-6358.

Contact: Shirley Mueffelman, Professional Development and Conference Services, (612) 625-6358

10/17/94 bj

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Media note: Embargoed until 4:30 p.m. C.S.T. Tuesday, Oct. 25

U OF M PARTNERSHIP AWARDED \$5 MILLION TO HELP PREVENT VIOLENCE AGAINST CHILDREN

The University of Minnesota's College of Education has been awarded a \$5 million grant from the U.S. Department of Education for a collaborative community program that will implement early education training programs that focus on violence prevention and counseling. The Partnership to Address Violence Through Education (PAVE) consists of faculty from the University of Minnesota, Minneapolis Technical College, St. Paul Technical College and public and non-profit child care providers.

The partnership will address the critical and growing need to prepare residents from economically disadvantaged neighborhoods of Minneapolis and St. Paul for careers as child-care professionals within their neighborhoods. Recruitment and employment will be targeted to those neighborhoods with the highest density of children, level of poverty and incidence of violence.

Trainees will range from high-school students graduating from career magnet programs to doctoral candidates who will serve as graduate research assistants. Most will be employees of Chapter I, Head Start, Even Start or other child-care programs, or parents of children in these programs. All trainees will learn violence-free child rearing practices through coursework and guided field experience.

According to project director Mary McEvoy, associate professor of education and director of the Center for Early Education and Development (CEED) in the university's College of Education, approximately 800 students, most of whom live in Twin Cities neighborhoods with high levels of poverty and violence, will participate in career training over the five-year funding period.

**Contacts: Mary McEvoy, College of Education, (612) 624-5780
Mike Nelson, News Service, (612) 626-7701**

10/17/94

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U OF M STUDY ON DRUG ADDICTION NEEDS PATIENTS

Men and women who use heroin or other narcotics are needed for a University of Minnesota study on drug addiction. Study participants will be supervised by physicians and psychologists during a seven-day hospital stay to explore narcotic withdrawal treatment options. Confidentiality is assured. Call 624-6441 for more information.

Contact: Mary Stanik, HSPR, (612) 624-4604

10/18/94 ns

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U OF M HAS QUALITY SERVICE AWARD WINNERS

Lori Graven, Catherine Ploetz and Tina Anderson, employees of the University of Minnesota's professional development and conference services department, have won the Minnesota Council for Quality's service award for their work in conference planning and coordinating.

Graven, Ploetz and Anderson will attend a luncheon honoring all service award winners, Oct. 25, at the Radisson South Hotel in Bloomington, where they will receive a pin, a letter of congratulations and a Certificate of Commendation from Minnesota Gov. Arne Carlson. Speakers will include Lt. Gov. Joanell Dyrstad, physician and humorist Dr. Dale Anderson and WCCO-TV reporter Kevyn Burger.

The Minnesota Council for Quality is a non-profit, educational organization dedicated to improving quality of both products and services throughout Minnesota.

Contact: Jean Martin, Professional Development and Conference Services, (612) 625-1534

10/19/94 bj

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MANUFACTURED HUMAN TISSUE, FAMILY VALUES, SATELLITE DISHES ARE TOPICS OF MONTHLY U OF M IT FORUMS

A presentation on bionic human tissue and other biomedical wonders kicks off the University of Minnesota Institute of Technology (IT)'s monthly IT Forums, a series of luncheon talks on key issues in science and technology. **Matthew Tirrell**, holder of the university's Earl Bakken Chair in Biomedical Engineering, will give the inaugural presentation, "Frontiers of Biomedical Engineering in Minnesota," at noon Thursday, Oct. 20, in the President's Room of the Radisson Metrodome Hotel on the east bank campus.

"Several research groups at the university are trying to engineer the growth of new tissue, whether for clinical or cosmetic purposes," said Tirrell. "For example, artificial heart valves and joints aren't always compatible with human tissue. If we can engineer simulated human tissue, perhaps we can make implantable devices become a better fit for human beings."

A materials scientist by training, Tirrell's research focus has been on how to keep fine particles in products such as ink and copier toner from forming clumps. In recent years, he has discovered that the principles involved also apply to human blood; blood proteins often stick to synthetic surfaces and form clumps. The biomedical engineering chair, a joint venture of IT and the Medical School, makes it easier for him to collaborate with the university's medical scientists.

The IT forums will be held on the third Thursday of every month at various locations in the Twin Cities. The schedule for the rest of the year follows:

- Nov. 17, "Kids, Families, Schools and Minnesota Technology," with retired Honeywell Chair and CEO **James Renier**; Top of the MAC, Minnesota Athletic Club in Minneapolis.
- Dec. 15, "Forging New Communication Paths for the 21st Century," with Hubbard Broadcasting President and United States Satellite Broadcasting CEO **Stanley Hubbard**; Lexington Restaurant in St. Paul.

"The community has a tremendous appetite for knowledge coming from and about IT," said dean Frank Kulacki. "They have expectations that we will be involved in the community. The IT Forums are an excellent way to respond to those expectations."

Admission to the forums, including lunch, is \$15. Pre-registration is required due to limited seating. For information, contact the IT Dean's office at (612) 626-1804.

Contact: Bill Brady, (612) 625-8510

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VOLUNTEERS NEEDED FOR U OF M SMOKELESS TOBACCO STUDIES

Volunteers are needed for two University of Minnesota smokeless tobacco studies.

The first study seeks men and women in good health who use at least one can of smokeless tobacco per week and want to quit. The study's researchers will see how well nicotine patches and mint tobacco substitutes help with the quitting process. Volunteers will be required to attend the university's smokeless tobacco clinic once a week for 30 minutes for a total of 12 weeks.

The second study seeks women between the ages of 18 and 50 who use smokeless tobacco at least once a week. Patients will be interviewed to help researchers better understand the process behind starting and stopping smokeless tobacco use.

For more information on either study, call Dr. Raymond Boyle at (612) 627-4904 or Michael Grillo at (612) 627-4901.

Contact: Mary Stanik (612) 624-4604

10/20/94 ns

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Media note: Reporters are welcome at discussion sections. Credentials will be required. Call Mary Stanik at (612) 624-4604 before Nov. 10 (Thursday) to arrange.

ADOPTION ISSUES ARE TOPIC OF U OF M CONFERENCE NOV. 13, 14

Open birth and adoption records, criteria for prospective adoptive parents, and the benefits and risks of international adoptions will be among the topics discussed at *Building Families: Ethical and Policy Issues in Adoption*, Nov. 13 and 14 at the Hotel Sofitel, Bloomington, Minn.

The conference, sponsored by the University of Minnesota Center for Biomedical Ethics, the Minnesota Center for Health Care Ethics (an academic, clinical and policy consortium located at the College of St. Catherine in Minneapolis) and the university's Children, Youth and Family Consortium, will feature:

- Keith Lussier, a New York resident whose adopted infant was taken from him following his wife's death and who regained custody of the child through court action, will speak at 1 p.m.

Nov. 13;

- Susan Soon Keum Cox, development director of Holt International Children's Services of Eugene, Ore. Cox, one of the country's first international adoptees, will talk at 10:15 a.m.

Nov. 14;

- Karen Grandstrand Gervais, director of Minnesota Center for Health Care Ethics, is currently trying to establish communication with her newly discovered birth mother. She will speak at 2:45 p.m. Nov. 13;

- Sandra Sperrazza, branch coordinator for Concerned United Birthparents, will speak at 2:45 p.m. Nov. 13; and

- Arthur Caplan, former director of the University of Minnesota Center for Biomedical Ethics, now director of the University of Pennsylvania Center for Bioethics. Caplan will moderate a panel discussion at 10:15 a.m. Nov. 14, and will provide the conference's closing remarks at 4:30 p.m.

Contact: Mary Stanik (612) 624-4604

10/24/94 ns

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HUGO BLACK BIOGRAPHER AT U OF M OCT. 27

Roger Newman, author of a new biography of the late Supreme Court Justice Hugo Black, will speak on "Justice Hugo Black and the First Amendment" at 12:15 p.m. Thursday, Oct. 27, in Room 20 of the University of Minnesota Law School.

Newman, a researcher at New York University School of Law, is author of the newly published *Hugo Black: A Biography*. He is also co-author of *Banned Films*, a history of movie censorship, and has written for popular and professional journals.

Black, an associate justice of the Supreme Court from 1937 to 1971, was a member of the Alabama Ku Klux Klan for many years but had left the Klan by the time he was nominated by President Franklin Roosevelt. During his long tenure on the court, he became known as a staunch supporter of individual liberty. He wrote the court's 1962 opinion on school prayer, which prohibited forced prayer in public schools, and was pivotal in several other famous decisions. Those decisions include the Pentagon Papers, in which the court forbade prior restraint of speech; *Gideon v. Wainwright*, in which the right to counsel was firmly established; and *Brown v. Board of Education*, which rejected the separate-but-equal doctrine for public schools.

Despite his reputation as a civil libertarian, however, Black wrote the court's opinion upholding the internment of American citizens of Japanese descent in concentration camps during World War II and could find in the Constitution no protections except those expressly provided.

Contact: Kristi Rudelius-Palmer, (612) 626-7794

10/24/94 dm

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Media note: For interviews with Wilks or Bellamy, contact Jan Grover at (612) 625-7505.

U OF M THEATRE PREMIERS AFRICAN-AMERICAN DRAMA *TOD, THE BOY, TOD*, OCT. 28

Tod, the Boy, Tod, playwright Talvin Wilks' look at African-American cultural identity, will receive its Midwest premiere at the University of Minnesota's Rarig Center Oct. 28 through Nov. 12. Lou Bellamy, university associate professor of theatre arts and acting director of Minneapolis-based Penumbra Theatre, will direct.

First fully staged in Seattle in 1990, *Tod, the Boy, Tod*, is the story of a corporate African-American who has benefited from affirmative action programs, but who also struggles with his cultural identity and personal rage. Wilks is currently playwright-in-residence at Seattle's The Group Theatre.

Performances will begin at 8 p.m. Wednesdays through Saturdays, and 3 p.m. Sundays. Tickets are \$9 for general admission; \$7 for university students, staff, faculty and alumni; and \$6 for groups of 15 or more. Tickets may be purchased through the University Arts Ticket Office at (612) 624-2345, or in person at Rarig Center and Northrop Auditorium box offices on the Minneapolis campus. A signed performance will take place at 8 p.m. Saturday, November 12.

**Contacts: Jan Grover, University Theatre, (612) 625-7505
Nina Shepherd, News Service, (612) 624-0214**

10/25/94 ns

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NewsLog

University of Minnesota News Service • 6 Morrill Hall • 100 Church Street S.E. • Minneapolis, MN 55455

Oct. 28, 1994

❑ Crime and punishment—there's no connection

The get-tough-on-crime theme in this fall's political campaigns is fine if all we're after is vengeance, but sociologist **Joachim Savelsberg** says we shouldn't kid ourselves that incarceration will actually reduce crime. In analyzing crime statistics since 1960, Savelsberg concludes that anyone who gets locked up is rapidly replaced.

"From 1980 to 1984, our incarceration rate increased by 50 inmates per 100,000 people, with no resulting change in the crime rate," he says. "It grew by an additional 50 in the second half of the 1980s, and there was still no significant change in the crime rate. Since 1989, that rate has jumped another 50, again without changing the crime rate, but at considerable expense in a time of declining budgets and a sluggish economy." At one time, it was thought that crime could be prevented by ridding society of the social ills thought to be the roots of crime. Today's thinking is reversed: We must get rid of criminal elements before we can cure social evils. This assumption, Savelsberg contends, shows a "basic disregard for the findings of science." Savelsberg's at 612/624-0273. News Service contact, Bill Brady, 612/625-8510.

❑ Portrait of the inmate as a young man

Picture two boys growing up in the same neighborhood. Both are physically abused and live in poor families headed by mothers who love them. One becomes a responsible adult, the other a prison inmate. Why? One had a good, steady friend.

A new study headed by associate social work professor **Jane Gilgun** finds that several protective and risk factors distinguish inmates from non-inmates, and having a confidant during adolescence is perhaps the strongest protective factor of all. "The ability to discuss personal problems during adolescence is a powerful protective factor," Gilgun says. "Feeling loved and cared for by an adult family member simply isn't enough." Other protective factors include respect in the community and educational and employment opportunities. Risk factors include adults and peers who disrespect and hurt others—including children—and form few close relationships. Study respondents (all from Minnesota) included 1,700 prison inmates; 36,000 public school students; 540 juveniles in detention and correctional facilities; and 800 randomly chosen women and men. Gilgun's at 612/624-0082. News Service contact, Nina Shepherd, 612/624-0214.

❑ A Kinsey Report for the '90s

Happy Meal® and Lean Cuisine® may be the meat loaf and mashed potatoes of the '90s, says **Jean Kinsey**, an agricultural and applied economics professor. She found that the portion of each food dollar per American household spent on food eaten away from home has risen nearly 40 percent over the last 30 years, while the total percent of income spent on food has declined by up to 20 percent. She also found that the richer half of households—those with incomes above \$35,000—spend close to half of their food dollars on take-out and food eaten away from home. "The rise of the dual-income family has affected food consumption patterns across the board," says Kinsey. As the traditional meal maker loses his or her role as gatekeeper of the family's nutrition, more food is selected, prepared and eaten by individuals, including children. Kinsey can be reached at 612/625-2744. News Service contact, Nina Shepherd, 612/624-0214.

NewsLog 2/

□ **Reading the** fine print

Ever get the feeling that reading off 10-inch letters from a chart 20 feet away doesn't measure your ability to read a book? So does psychology professor and vision researcher **Gordon Legge**, who with three colleagues devised new eye charts that use texts, not individual letters, to measure reading acuity in normal and low-vision people. The charts, which are read at normal reading distance, also go to smaller type than anyone can read, which gives more accuracy in assessing visual acuity. New technology allows print resolution as small as 3600 dots per inch. Called MNREAD acuity charts, they feature 19 simple sentences, all with the same number of characters, in decreasing type sizes. The charts come in four versions. Unlike conventional charts, they allow one to measure three important variables: reading acuity (the smallest print one can read); maximum reading speed (reading speed when reading isn't limited by print size); and critical print size (the smallest print one can read at maximum speed). Legge expects the charts to be marketed by Long Island-based The Lighthouse Inc. soon. He's at 612/625-0846. News Service contact, Deane Morrison, 612/624-2346.

□ **They should have read the fine print**

How could the voters of 1930s Germany have allowed the Nazi party to gain power? Most historians look to the racist, anti-Semitic diatribes of Adolf Hitler for the answer, but sociologist and Nazi expert **William Brustein** thinks it had more to do with the Nazis' economic policies, which proposed protectionism and high government investment in public works to alleviate high unemployment.

Unlike the Communists, whose "Workers of the world, unite!" slogan embodied an international approach to workers' rights, Hitler's nationalistic approach put German interests first. What this says for today is that extremist groups who weave their rhetoric around bread-and-butter issues are a much bigger threat than those who never go beyond hate-mongering. Recent European elections are a case in point: a radical right party that blamed everything on foreigners captured less than 5 percent of the German vote, but a similar party in Austria with a broader-based platform got more than 20 percent. Brustein, who has put his ideas in a book, *The Logic of Evil*, is at 612/625-1838. News Service contact, Bill Brady, 612/625-8510.

□ **Pollution solution for Eastern Europe**

Four decades of communist rule in Eastern Europe have produced an environmental nightmare. Consider the Polish city of Katowice, where two rivers converge after being used as a dump for industrial and human waste. By the time one of the rivers gets to Katowice, it contains more than 85 percent waste. Is there hope for cities like Katowice?

The university's Humphrey Institute thinks so. A national consortium led by the institute has been awarded \$11 million by the U.S. Agency for International Development to provide Central and Eastern Europeans with educational, technical and legislative training to reverse the effects of 40 years of pollution and neglect. Representatives will spend 10 months at the institute studying environmental economics and management, then return home to enact laws, implement pollution control policies and coordinate cleanup. "This project has significance beyond the Eastern European community," said project director **Zbigniew Bochniarz**. "We will contribute to the political and economic stability of these countries and aid in the cleanup of a global environmental problem." He's at 612/625-5527. News Service contact, Mike Nelson, 612/626-7701.

—UNS—

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SURGEON GENERAL TO RECEIVE U OF M SCHOOL OF PUBLIC HEALTH AWARD OCT. 31 IN WASHINGTON D.C.

U.S. Surgeon General Joycelyn Elders will receive the University of Minnesota School of Public Health's 50th Anniversary Citation at 6:30 p.m. (EST) Oct. 31 (Monday) at the Sheraton Washington in Washington, D.C.

Elders is being recognized by the school during its anniversary year for her outstanding public health service.

The citation will be accepted for Elders by her associate, Rear Admiral Webster Young, Jr. Young received a master's degree in environmental health from the school in 1968.

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10/28/94 ns

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Media note: Embargoed by *Nature Genetics* for use until 5 p.m. CST Oct. 31. Dr. Laura Ranum is available for interviews at (612) 624-0901. Study subjects in various parts of the U.S. are available for interviews; contact Dr. Ranum for details.

NEUROLOGICAL DISEASE GENE LOCATED AMONG DESCENDANTS OF LINCOLN PATERNAL GRANDPARENTS BY U OF MINNESOTA RESEARCHERS

Work done among 170 descendants of Abraham Lincoln's paternal grandparents has led University of Minnesota researchers to the location of the gene for spinocerebellar ataxia type 5 (SCA5), an inherited and debilitating neurological disease. Writing in the journal *Nature Genetics*, the researchers report the gene has been located on chromosome 11.

Using genetic mapping techniques on blood samples provided by the subjects, who came from two large family branches that both trace ancestry to Lincoln's paternal grandparents, the researchers established the chromosomal location. Further work will be needed to identify the defective gene responsible for the disease.

Among the 170 female and male descendants studied, 56 have SCA5. Disease symptoms can develop any time between the ages of 10 and the late 60s, though most gene carriers typically develop symptoms between ages 30 and 50. Children of affected parents have a 50 percent chance of inheriting the gene and developing symptoms. Ataxia, including SCA5, can cause individuals to lose their ability to coordinate movements necessary for walking, talking and writing. Severe forms can progress to death from pneumonia due to a diminished ability to cough—a key defense against respiratory infections. The type of SCA5 present in the Lincoln extended family is less severe and does not lead to premature death.

Since both family branches in the study trace their ancestry to Abraham Lincoln's paternal grandparents, Lincoln's grandfather, Capt. Abraham Lincoln, or his grandmother, Bathsheba Herring, had the ataxia gene and passed it on to at least two of their five children. Lincoln's father, Thomas Lincoln, had a 50 percent chance of having the gene, and Lincoln himself had a 25 percent chance. Given that the age of disease onset among the study's subjects ranged from 10 to 68 years, and that the adult-onset cases progress slowly, if Lincoln had inherited the gene, his symptoms could have been very mild, or not yet developed by the time of his death at age 56. If Lincoln had ataxia, he might have passed the gene on, but he had few direct descendants—

(more)

ATAXIA/ 2

none of whom can be established to have had the disease and none of whom is alive today.

“This study would not have been possible without the generous cooperation of the family members involved, and we are grateful for their participation,” said geneticist Laura Ranum, an assistant professor of neurology and principal investigator for the study. “The presence of the ataxia gene in a family that has contributed so greatly to our history should diminish the stigma that is sometimes associated with inherited diseases. I hope that our study will increase awareness of ataxia and support for continued efforts to find effective treatments.”

The study was published in the November issue of *Nature Genetics*. Collaborating with Ranum were university researchers Lawrence Schut, Harry Orr, Dennis Livingston and Julie Lundgren.

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10/31/94 ns

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U OF M TO HOST CONFERENCE PROMOTING LANGUAGE LEARNING

“Exploring the Cultural Dimensions of Language Instruction,” a working conference designed to promote curricular innovation in language learning, will be held Thursday, Nov. 10, through Saturday, Nov. 12, at the Radisson Hotel Metrodome-University of Minnesota and the university’s Campus Club in Minneapolis. The conference will provide an opportunity for teachers, language practitioners and theoreticians to discuss culture-focused teaching materials.

The conference will focus on the principle that culture is central to effective communication in a second language, and language teachers should emphasize culture as a way of thinking—not as just a finite body of knowledge.

The conference will feature perspectives in linguistics, anthropology, psychology, communication theory, curriculum theory and language instruction. Presenters include Claire Kramsch, professor of German at the University of California, Berkeley; Humphrey Tonkin, president of the University of Hartford; and Julie Klein, professor of humanities at Wayne State University.

Registration is \$49; \$20 for University of Minnesota graduate students. For more information contact Shirley Mueffelman at (612) 625-3850.

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U OF M PUBLIC PROGRAM ON CANCER GENETICS SATURDAY (NOV. 5)

People with a family history of cancer can learn how genetics research may affect their health at a University of Minnesota Health System seminar from 8 a.m. to noon Saturday, Nov. 5, at Coffman Union on the Minneapolis campus.

University cancer and genetics researchers will discuss cancer screening and prognoses, as well as the roles of genes and the environment in cancer development.

Cost of the seminar is \$5, which includes parking, refreshments and program materials. For more information, call (612) 626-6000 or (800) 688-5252.

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UNIVERSITY OF MINNESOTA DECEMBER STARWATCH

by Deane Morrison

The December night sky materializes like a swath of dark velvet studded by gold, ruby and diamond. First comes the golden planet Saturn, a beacon in the south as night falls. Next, reddish Mars makes its entrance in the late evening. Finally Venus, the brilliant white planet, proclaims its supremacy in the waning hours of darkness.

Saturn comes out in the south at nightfall, still in Aquarius below the Great Square of Pegasus. Saturn sets earlier as the month goes by, and disappears by 9:30 p.m. on New Year's Eve.

Mars appears in the east just as Saturn is getting ready to set over the opposite horizon. With Earth pulling closer to Mars in the orbital race, the red planet doubles in brightness during December. Watch it cut from west to east across the handle of the Sickle in Leo, above the bright white star Regulus. Mars will continue to brighten into February, when it will be opposite the sun.

Venus, now a "morning star," gets about as bright as it ever does during the second week of the month. Rising a good three hours before the sun, the brilliant white planet can't be missed. Venus, having recently emerged from a pass in front of the sun, changes from crescent to nearly half-full phase as it curves away from us.

Jupiter, rising in the wake of Venus, comes up earlier each morning. A yellow lantern among the stars of Scorpius, Jupiter pulls within 12 degrees of Venus by the 31st. A telescope might reveal some of the impact scars from July's collision with Comet Shoemaker-Levy 9, but the planet is still a little low for optimal viewing.

Mercury passes behind the sun on the 14th, so it won't be visible this month.

The full moon gets very high and bright in December, a consequence of being opposite the sun, which is low this time of year. The new moon on the second heralds the start of what some Indian tribes called the "cold moon" cycle. This moon reaches fullness on the 17th, when it rises just north

of Orion. On the 29th, the waning crescent moon hangs between Venus and Jupiter in the morning sky. On the 30th, a thinner moon will point its cusps toward Jupiter.

The bright winter constellations are rotating into the evening sky, led by Taurus, the bull. Their abundance in the east stands in stark contrast to the paucity of bright stars in the southern and southwestern sky, which offer little but Saturn and, below it, the bright star Fomalhaut. Above Saturn, look for the four stars that mark the Water Jar of Aquarius; binoculars will help. East of the Water Jar, the five stars of the Circlet of Pisces shine dimly. Above the Circlet, the Great Square of Pegasus rides high. To the west-northwest, the Summer Triangle of bright stars is drawing close to the horizon.

The Geminid meteor shower will light up the sky one to three hours before dawn on the 14th. The meteors, streaking out of the south, could come as thick as 50 per hour. The shower might be a little heavier earlier in the night, but a bright moon will interfere. After moonset, early risers can enjoy the show—if skies are clear.

Winter arrives at 8:23 p.m. CST on the 21st. At that moment the sun will be directly over the Tropic of Capricorn, the lowest point in its journey across the heavens. To get a graphic idea of how low the sun is at the winter solstice compared to the summer, stand outdoors at noon and measure your shadow. Then do it again at 1 p.m. the day of the summer solstice in June (when we'll be on daylight time). The difference in length will be obvious. To see the difference in the sun's angle even better, draw yourself and your shadows to scale on a piece of graph paper. Your shadow will point in the same direction on both occasions, but if you stood at the equator, it would be the same length—very short—at either solstice and would extend in opposite directions.

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

Contact: Deane Morrison, (612) 624-2346

11/4/94

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VERNON ERIKSEN, BOILER DESIGNER, RECEIVES U OF M ALUMNI AWARD

Vernon Eriksen, president of Nooter/Eriksen Cogenerations Systems of St. Louis, has received the Outstanding Achievement Award from the University of Minnesota Board of Regents. The award, given to university alumni, recognizes outstanding achievement in a professional field.

Eriksen, who received bachelor's, master's and doctoral degrees in mechanical engineering from the university, began his career in 1971 as director of research and development at the Harrison Radiator Division of General Motors Corp., where he was responsible for the development of new energy-conserving heat exchangers for automotive, industrial and other commercial processes. Between 1976 and 1985 he held several positions at Plymouth, Minn.-based Deltak Corp., a manufacturer of boilers for industrial steam generation. In particular, he was responsible for the development of a new product line of factory-assembled modular coal/wood/biomass-fired boilers that have replaced most of the traditional field-assembled boilers.

In 1987, Eriksen founded his own heat recovery boiler company. It was acquired by Nooter Corp., and Eriksen has since served as president of the new Nooter/Eriksen Cogeneration Systems. The company is engaged in design, engineering and manufacture of heat recovery steam generation systems for gas turbine cogeneration and combined cycle power plants.

Eriksen is a member of the American Society of Mechanical Engineers.

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11/4/94

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AFRICAN-AMERICAN DIPLOMAT TO SPEAK ON AFRICAN AFFAIRS MONDAY, NOV. 14

“U.S. Foreign Policy Toward Developing Nations” is the topic of a public lecture by retired ambassador John Burroughs Jr. at 1:30 p.m. Monday, Nov. 14, in Cowles Auditorium at the University of Minnesota’s Humphrey Center. One of few African-Americans to achieve the rank of ambassador, Burroughs will also speak about careers in the Foreign Service for people of color at 3:30 p.m. in 149 Coffman Union. Both events are free.

Burroughs retired earlier this year as the U.S. special coordinator for Sudan responsible for humanitarian assistance. Before that, he had been ambassador to Uganda, special envoy to South Africa and ambassador to the Republic of Malawi. His public service career dates back to 1962 and includes stints with the State Department in Washington and with the U.S. Navy. His efforts to increase the number of minorities in the Foreign Service Officer Corps earned him the State Department’s Superior Service Award in 1980.

Burroughs’ visit is sponsored by the university’s Institute for International Studies and Programs, with additional support from the Humphrey Institute of Public Affairs and the Office of Minority and Special Student Affairs.

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11/7/94

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ELECTION DAY SPECIAL: U OF M HOSTS DISCUSSION OF CENTRAL ASIAN ELECTORAL PROCESSES NOV. 8

Delegates from the Central Asian republics of Kazakhstan, Kyrgyzstan, Tajikistan and Uzbekistan will discuss their countries' election processes from 3:30 to 5 p.m. Tuesday, Nov. 8, in Room 35 of the University of Minnesota Law School.

The presentation is part of a training program in human rights and democratic development, a project of the Law School's Human Rights Center. The program is coordinated by Mercy Corps International and sponsored by the U.S. Agency for International Development through the Academy for Educational Development.

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11/7/94 dm

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U OF MINNESOTA'S HASSELMO CHAIRING NATIONAL EDUCATION GROUP

University of Minnesota President Nils Hasselmo became chair of the National Association of State Universities and Land-Grant Colleges (NASULGC) board of directors on Tuesday (Nov. 8) at the organization's annual meeting in Chicago.

NASULGC, the nation's oldest higher education organization, is an association of 178 public higher education institutions, including all the original land-grant universities, historically Black land-grant colleges and universities and, as of this year's convention, a group of tribal colleges recently assigned land-grant status by Congress.

"As public schools throughout the country reshape themselves for the 21st century, it is more important than ever that we have the ways and means to cooperate in maintaining high quality research and education and in serving society even more effectively," Hasselmo said. "I'm very pleased to be able to work with colleagues from across the country in strengthening the nation's system of public higher education, which serves the public good."

NASULGC serves its member institutions by helping them strengthen their historical role in basic and applied research, including engineering and agricultural research and extension, and in graduate, professional and undergraduate education, linking their work with America's economic and societal interests.

During his yearlong term as chair, Hasselmo will be working closely with NASULGC president C. Peter Magrath, who was president of the University of Minnesota from 1974 to 1984. NASULGC is governed by a board of directors; Magrath and his staff of 35 operate the organization from its headquarters in Washington, D.C.

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11/8/94

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WALTER C. RASMUSSEN HEART FAILURE TREATMENT CENTER TO BE DEDICATED AT U OF M TOMORROW

The Midwest's first center devoted to the treatment of heart failure will be dedicated at the University of Minnesota at 5:30 p.m. Wednesday, Nov. 9, in 6-209 Phillips-Wangensteen Building, 516 Delaware St. S.E., on the Minneapolis campus.

The Walter C. Rasmussen Heart Failure Treatment Center is named after the founder and chair of the Northeast State Bank of Minneapolis and Guaranty State Bank of Robbinsdale, who died in 1991 of heart failure. The center will provide comprehensive care for those with early through advanced heart failure. Established with a grant from the Walter C. Rasmussen Foundation, the center is part of the university's Heart Failure Center, which is dedicated to clinical and basic research and supported by grants from the National Institutes of Health and Bristol Meyers Squibb.

One of the treatment center's goals is to promote drug therapy to relieve symptoms and prevent the progression of heart failure, which reduces quality of life and shortens life expectancy. Medications called vasodilators and converting enzyme inhibitors, which are effective in reducing mortality, were developed over the past 20 years by university researchers and will be put to greater use at the treatment center.

Despite the effectiveness of these drugs, only one-third of U.S. heart failure patients are receiving them, said Jay Cohn, professor and head of cardiovascular medicine and director of the Heart Failure Center. "In addition to the four million heart-failure patients currently receiving treatment in the United States (including 100,000 in Minnesota), there are as many more people who have a symptomatic disease who should be treated with these drugs to prevent disease progression," he said.

Center physicians plan close working relationships with private physicians, according to Spencer Kubo, professor of medicine and director of the Rasmussen Treatment Center. "We want to function as a consulting resource to help physicians better serve their patients," Kubo said.

Rasmussen also was a founder of the Anoka County Economic Development Partnership and a member of the boards of the Minnesota Orchestra and Fridley Housing and Redevelopment. His widow, Belva, is chair of Northeast State Bank and it was her wish that a heart failure center be established at the university. She said, "It is our sincere hope that as a result of the preventive care that will be provided at this center, thousands of lives can be saved."

Contact: Mary Stanik (612) 624-4604

11/8/94 ns

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U OF M TO SELL FORMER WASECA CAMPUS DORMITORIES

The University of Minnesota's Board of Regents voted today (Nov. 10) to sell three former dormitory buildings on the university's former Waseca campus to Mankato-based Lloyd/LaGow Construction and Developing Co. for \$450,000. The property will be used for low-income housing.

The property consists of 6.12 acres and three separate two-story structures totaling 47 living units. The structures were built in 1976, 1978 and 1980 and are connected by a passageway. The Waseca campus closed in March 1991.

In February 1993, the property was put on the market via a sealed bid offering. In September 1993, the regents approved the property's sale to Wayzata Properties Inc., but the sale fell through due to financial hardship on the part of Wayzata Properties. The sale to Lloyd/LaGow is contingent upon the company's receipt of low-income housing tax credits.

"It's important to get the property back on the local tax rolls to ease the burden on area property tax payers," said regent Darrin Rosha of Owatonna. "It will also help ease the housing crunch Waseca is experiencing."

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11/10/94

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JOHN MATHESON IS RICHEY PROFESSOR IN CORPORATE LAW AT U OF M

University of Minnesota law professor John Matheson, a nationally known authority in corporate law, will receive the S. Walter Richey Professorship in Corporate Law at 3:30 p.m. Monday, Nov. 21, at the university's Law School. Matheson will speak on "Corporate Governance in the Twenty-First Century," and a reception will follow at 5 p.m.

Matheson received a law degree in 1977 from Northwestern University and joined the University of Minnesota Law School faculty in 1982. He has received the Stanley V. Kinyon Teacher of the Year Award and was the Law School's Julius E. Davis Professor of Law. He is director of continuing legal education programs at the Law School, as well as a member of the American Law Institute and the board of directors for Minnesota State Bar Association Continuing Legal Education. A former attorney in private practice, he is active on many bar association, university and Law School committees and has published widely in the area of corporate law.

The S. Walter Richey Professorship in Corporate Law was established by the Lee and Rose Warner Foundation and its chair, Donald McNeely, to enrich and expand teaching, research and scholarship in corporate law at the Law School.

S. Walter Richey is a 1963 graduate of the Law School. He joined the Faegre & Benson law firm after graduation, and later joined Henson, Webb, Richey & Tully. In 1973, he joined the SPACE CENTER Cos., where he is currently CEO. He is a director of several other firms, including First Bank System, BMC, the Donaldson Co. and the Bekins Co. Richey also served on the Law Alumni Association board of directors from 1984 to 1991.

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11/11/94 dm

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U OF M SPONSORS PUBLIC FORUM, RECEPTION ON HUMAN RIGHTS IN CENTRAL ASIAN REPUBLICS NOV. 17

The University of Minnesota's Human Rights Center and CONNECT/US-RUSSIA, a private nonprofit group that arranges exchanges between the United States and Russia, will hold a public forum and dessert reception with human rights activists, journalists and government officials from four former Soviet republics at 7 p.m. Thursday, Nov. 17, in the University Club in St. Paul.

The delegates from Kazakhstan, Kyrgyzstan, Tajikistan and Uzbekistan will share their insights about the human rights situation facing the emerging democracies of Central Asia. They are participating in an intensive program on democracy and human rights sponsored by the U.S. Agency for International Development (USAID), the Academy for Educational Development and Mercy Corps International. The program is part of USAID's New Independent States Exchanges and Training (NET) project. The project aims to support the transition of the newly independent former Soviet republics to democracies and free-market economies by providing leaders and professionals from these countries with practical knowledge and technical skills to guide the creation of new policies, programs and institutions.

Admission is \$7. The University Club is located at 420 Summit Ave. To reserve a place call CONNECT/US-RUSSIA at (612) 871-5722 by Nov. 16.

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11/11/94 dm

NewsLog/Science Edition

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Nov. 15, 1994

□ Metals with memories

As most drivers know, a metal bumper, once dented, can't return to its original shape and strength without being melted and recast. But suppose it could? That kind of miracle, on a much smaller scale, is already commonplace in the lab of **Richard James**, professor of aerospace engineering and mechanics. He's unlocking the secrets of "memory metals"—alloys that, when bent, "remember" their original shape and snap back to it when heated or cooled. Memory metals, most commonly nickel-titanium alloys, are already used to make the wire in orthodontic braces. When stretched around the teeth, they try to resume their original shape by tightening, eliminating some visits to the orthodontist.

James is now working with Manfred Wüttig of the University of Maryland to find metals that transform in response to magnetic fields. "We'd call such a thing a 'magnetomemory' material," says James. "It could be used for noninvasive surgical probes or moving microscope stages." James is at (612) 625-0706.

□ Specifically speaking

What is a species? Most biologists would answer, "A group of organisms that only breed with each other." But associate ecology professor **Robert Zink** thinks that many "species" interbreed, and the real definition should be, "A group of organisms that share a distinct evolutionary history." Adopting this definition would better represent the number of species on earth, he says.

"We're challenging the notion that species should be defined as reproductively isolated," says Zink. "We think that underestimates the diversity of life. We'll soon submit a paper in which we claim there are 18,000 bird species in the world, not 9,000. By applying our views of what a species is, there are 1.97 'real' species for every species currently recognized."

Working with North American desert birds, Zink compares DNA sequences to reconstruct evolutionary history. He asks such questions as, What events are important in the evolution of species? Are most differences between species the result of populations being split (as by a mountain range going up), or dispersal? and, Can DNA tell us what a species is? Zink is at (612) 624-7207.

□ Vive la différenciation

Many cancer cells resemble embryonic cells more than they do cells of the adult organs they come from. Some embryologists have suggested that cancer cells are adult cells that de-differentiated; that is, they reverted to the embryonic state. But geneticist **Robert McKinnell** thinks some cancer cells may never have differentiated into functional adult cells in the first place. If they can be induced to do so, it might point the way toward a new treatment for cancer.

This fall, McKinnell is testing whether cells derived from frog kidney tumors can be induced to form adult tissue. The process is complicated (see supplement). Simply stated, the procedure is to grow an embryo from a normal egg whose nucleus has been replaced by a tumor cell nucleus. Then, cells destined to form eye or other tissue are taken from that embryo and transplanted to another normal embryo to see if they will differentiate into adult eye tissue. McKinnell is at (612) 624-2285.

NewsLog / Science Supplement

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Metals with memories

More on shape-memory metals:

- James was featured in Minneapolis *Star Tribune*; article available on request.
- He has a device resembling a medieval torture rack to stretch plates of shape-memory materials and study how stress affects the metal.
- Shape-memory metals are already used in bendable eyeglass frames.
- These metals are also used by airplane designers to splice hydraulic pipes. A shape-memory tube is made with a smaller diameter than two hydraulic pipes, then expanded mechanically. The ends of the hydraulic pipes are inserted in the tube, which is then heated. The tube “remembers” its original diameter and contracts, holding the pipes together.
- Antennas on spaceships could be made from shape-memory metals. An antenna would be collapsed to save room on the trip out, but when put in place and turned toward the sun it would heat up and extend.
- James has dug up a couple of facts behind shape-memory behavior. He found, for example, that on an atomic scale, different crystal lattices stretch in different directions in response to bending or temperature change. When the stimulus is removed, the lattices return to their original geometry.
- The best shape-memory metals have a cubic crystal structure; that makes it easy to stretch the crystals in all directions equally.
- Shape-memory materials that change shape in a magnetic field don’t behave as spectacularly as those that respond to mechanical stress. The best “magnetostrictive” metals only deform by 0.2 percent; regular shape-memory materials deform by up to 10 percent.

Specifically speaking

- Robert Zink works with birds in deserts and mountain ranges out west and in Mexico.
- He has found that in some parts of the desert, barriers—*eg.* mountain ranges—to members of one population don’t keep members of other populations apart. This kind of data provides clues to what kinds of evolutionary events are important in causing speciation.
- This year, Zink published a study in *Evolution*, claiming that the fox sparrow in North America is four species, not one. Working with mitochondrial DNA, he showed that the four “species,” which differ in plumage, also differ in DNA patterns.

Vive la différenciation

- In the late '50s, Robert McKinnell became the first to grow tadpoles from eggs whose nuclei had been replaced by tumor nuclei.
- He is president of the International Society of Differentiation.
- McKinnell's current experiments with tumor-derived nuclei are complex:
 1. To get the tumors, he subjects a fertilized frog egg to high pressure to dissolve the mitotic spindle. This blocks the second meiotic division, leaving the egg diploid. When the sperm pronucleus adds its genetic material, the result is a triploid single-celled embryo. After it has grown to a tadpole, he injects it with Herpesvirus to induce renal carcinoma (kidney tumors). Cells of this tumor will be triploid, so their descendants can be traced.
 2. To get tumor-derived embryos, McKinnell injects a kidney tumor cell nucleus into an enucleated egg, which will grow to a tadpole. Eye-forming tissue from the tadpole, however, doesn't get a chance to differentiate into adult eye because the tadpole dies. But if transplanted to a normal embryo, it has a chance. So:
 3. McKinnell will transplant the eye-forming tissue of such a tumor-derived embryo to the tail region of a normal embryo. If he finds adult eye tissue in the tail region, that will indicate that tumor-derived cells can be induced to differentiate. But:
 4. In order to perform step 3, he has to suppress the host immune system so it doesn't reject the eye tissue transplant. He'll take blood-forming (hematopoietic) stem cells from a tumor-derived embryo (produced by steps 1 and 2) and graft them into the normal embryo. This induces the embryo to recognize tumor-derived cells as "self" so it won't reject them.
 5. So far, McKinnell has treated normal embryos with stem cells. The cells have survived, indicating the host's immune response has been suppressed. He's now beginning experiments to induce adult tissue in tumor-derived embryos. If adult eye (or other) tissue forms, he'll examine it under the microscope to confirm that it is bona fide "adult" and triploid.
- If tumor-derived cells can be induced to differentiate, scientists may someday find a way to make tumor cells do this in cancer patients. Or, they may find a drug that can prevent cancer by inducing all not-quite-adult cells in our bodies to finish their differentiation.

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U OF M REGENT ROSHA WON'T SEEK SECOND TERM

University of Minnesota Board of Regents member Darrin Rosha of Owatonna said Wednesday he won't seek re-election to the board when his term expires in February. Elected in 1989, Rosha holds the seat reserved for a university student.

In a letter to the Regent Candidate Advisory Council, which recommends regent candidates to the state Legislature, Rosha said "I am very grateful to have been nominated for re-election, (but) it is my firm belief that the student position thrives best with reasonable turnover." Rosha cites the precedent, set by two previous student regents, of serving one six-year term.

Rosha, 26, is enrolled in a joint program at the university's Humphrey Institute of Public Affairs and the Law School. An infantry officer in the U.S. Army Reserves, he holds bachelor's degrees in agricultural and applied economics and political science from the university.

"Much has been accomplished during the past six years," Rosha said. "The university is a vastly different institution, especially for undergraduates, than it was when I first enrolled. Student services are more user-friendly, the academic offerings are stronger than ever, and the university is far more efficient in the use of Minnesota's investment in the institution. Many issues remain to be addressed, but I believe this board has the positive momentum to accomplish a great deal."

"Regent Rosha's energetic leadership will be sorely missed," said university President Nils Hasselmo. "He has a standing in his community and the broader state community that is unmatched by anyone his age. He is a remarkable young man with a great future ahead of him."

Rosha's vacant seat must be filled by a student enrolled in a University of Minnesota degree program at the time of election. Interested candidates should contact the Regents Candidate Advisory Council at (612) 296-1121.

Contact: Bill Brady, (612) 625-8510

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Media note: A reception will be held at the Rutherford spectrometer facility from 3 to 5 p.m. Thursday, Nov. 17, in 202 Shepherd Laboratory, 100 Union St. S.E., on the Minneapolis campus. Wayne Gladfelter is at 624-4391.

NEW U OF M INSTRUMENT TO ANALYZE WIDE VARIETY OF MATERIALS

The University of Minnesota has received a \$610,000 instrument to analyze the composition of a variety of materials, from bone implants to superconductors to ancient pottery.

The Rutherford back-scattering spectrometer, purchased with \$375,000 in National Science Foundation funds and \$235,000 in university funds, reveals the structure of very thinly layered materials by sending beams of alpha particles (helium nuclei) a few microns into the material and analyzing how the beam is altered by interaction with nuclei of atoms within the material.

The spectrometer can analyze all kinds of layered materials. Anti-reflective coatings on eyeglasses, for example, have alternating layers of titanium dioxide and silicon dioxide. The machine could detect faults in the layers. The spectrometer can also help improve bone implants, which are often made of titanium. The implants can be corroded if hydrogen penetrates the metal, and to understand how hydrogen gets into the implant, scientists need the spectrometer to determine the amount of hydrogen at various depths.

Even art historians can use the spectrometer to analyze the composition of glazes or other surface materials in, for example, ancient pottery. By comparing the elements to the metals and other materials that were available from various mines when the art was produced, historians can better trace ancient trade routes.

The spectrometer, a large tunnel-shaped machine, does not destroy the materials it analyzes. It is the only such machine in Minnesota, said chemistry professor Wayne Gladfelter, project director for the facility.

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FARM BILL SYMPOSIUM AT U OF M NOV. 18

A symposium to help set the agenda for discussion of the 1995 U.S. Farm Bill will be co-sponsored by the University of Minnesota's Humphrey Institute from 9 a.m. to 4:30 p.m. Friday, Nov. 18, at the Earle Brown Continuing Education Center on the St. Paul campus.

The symposium will identify a new agenda for agricultural legislation, and participants will discuss the changed political and budget climate. Potential issues in the debate include food safety, rural development, environmental and sustainable development, agricultural research and extension services and the implications of the soon-to-be-signed General Agreement on Tariffs and Trade.

The issues identified will be discussed at a series of task force meetings in the coming months, ending late next spring when Congress is debating the farm bill. Results will be shared with congressional representatives and their staff members.

Symposium speakers will include U.S. Rep. Tim Penny, DFL-Minn.; Vin Weber, a former Minnesota congressional representative; and Dale Hathaway, director of the National Center for Food and Agricultural Policy, which is co-sponsoring the symposium. G. Edward Schuh, Humphrey Institute dean and an agricultural economist, will moderate the program.

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U'S MASONIC CANCER CENTER GETS 'TOPPED' WEDNESDAY (NOV. 23)

The "tree-topping" ceremony for the University of Minnesota's Masonic Cancer Research Building will be held at 11:45 a.m. Wednesday, Nov. 23, outside the building's construction site at 425 E. River Road, on the Minneapolis campus.

It's customary in construction to place a tree, usually an evergreen, atop a building site once the last steel beam has been put in place.

The building is the largest construction project supported by private funds ever undertaken at the university. When completed in 1995, the 82,000-square foot structure will be the main office for the University of Minnesota Cancer Center and will house most of the university's cancer research efforts.

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U OF M TO ROCK THE FIELD HOUSE

The department of recreational sports at the University of Minnesota, along with the National Intramural Recreational Sports Association's Natural High program, will present "Rock the Field House" from 7 to 9 p.m. Thursday, Dec. 1.

Complete with music, food and prizes, the event will include a gladiator challenge, featuring an obstacle course; opportunities to play against a tennis professional; and chances to shoot and score against a hockey goalie. Celebrities will include members of the Gopher men's and women's coaching staffs.

The event is free. The field house is located at 1800 University Ave. S.E. in Minneapolis. For more information call Melvin Kimble at (612) 625-6017.

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'U' GETS STEAM PLANT ENVIRONMENTAL IMPACT STATEMENT DRAFT

University of Minnesota officials today renewed their pledge to ensure that the Twin Cities campus steam plant renovation plan is environmentally sound and to continue to work with the state's Environmental Quality Board (EQB) to fine-tune the \$92 million modernization project.

University engineers have begun studying the Environmental Impact Statement (EIS) released today by the EQB, and the university's Board of Regents will discuss the draft at its December meeting. The regents voted to voluntarily participate in the EIS process, the state's process designed to identify and scrutinize a project's environmental, social and economic effects.

"Minimizing adverse environmental and health impacts was one of our major goals when we began work on this project in 1988," said Robert Erickson, senior vice president for finance and operations. "We have never lost and will never lose sight of that goal."

"We welcome the wealth of information and analysis and we expect it to be a useful guide as we move forward with the steam plant renovation," Erickson said. "All our planning up to this point has been done with the aim of producing the most reliable and environmentally responsible power at the lowest price possible while minimizing business risks."

The Minnesota Pollution Control Agency will use information from the EIS to assist it in making air emission permit decisions regarding the university's renovation plan. The university applied for the permit in August.

The technical, legal and administrative tasks involved in the EIS process and in producing the air permit application have been a cooperative effort between the university and Foster Wheeler Twin Cities, the firm selected by the regents in 1992 to renovate the steam plants. Under a 25-year contract, the firm began operating and managing the three existing plants on July 1, 1992. The regents selected Foster Wheeler's plan because of its fuel flexible technology, efficiency, reliability, cost-effectiveness and significant reduction in air emissions.

The university's existing plants are environmentally and technologically outdated and in urgent need of renovation, Erickson said. For two days during last winter's extremely cold weather, steam demand on the Minneapolis campus taxed production capacity to such an extent that a boiler breakdown would have required reducing temperatures in select buildings. The renovation project is scheduled to be completed before the 1998 heating season.

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13 MEMBERS NAMED TO U OF M CANCER CENTER FUND BOARD

Thirteen Twin Cities individuals have been recruited to serve three-year terms on the board of directors of the University of Minnesota Cancer Center's UCAN fund. They are:

- Dik Bolger, co-owner of Bolger Publications/Creative Printing;
- Dr. David M. Brown, professor of pediatrics and laboratory medicine and pathology and director of pediatric endocrinology at the university;
- Judy Gehrke, executive, AT&T;
- Judith Hale, elementary school teacher;
- Pat Hollister, senior manager, KPMG Peat Marwick;
- Clayton Kaufman, retired general manager, WCCO Radio, and senior travel consultant, AAA Travel Agency;
- Elizabeth Hegman Lewis, home care services manager, Aspen Medical Group;
- Hinda Litman, community volunteer;
- Carl McNally, vice president and treasurer, McNally, Dunnavan and Lund Inc.;
- Heidi Schneider, attorney, Gartner and Schupp;
- John Thomson, retired national sales director, Pillsbury Co.;
- David Teslow, president, Minnesota Medical Foundation; and
- Lowell Weber, vice president of development, Minnesota Medical Foundation.

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SAYLES-BELTON TO ADDRESS GAY, LESBIAN, BISEXUAL, TRANSGENDER BANQUET AT U OF M DEC. 7

Minneapolis Mayor Sharon Sayles-Belton will speak at a public banquet recognizing the University of Minnesota's role in combating sexual orientation discrimination at 7 p.m. Wednesday, Dec. 7, at the Campus Club in Coffman Union on the Minneapolis campus.

Sponsored by the university's Gay, Lesbian, Bisexual, Transgender (GLBT) Employee Network, the "Gala Inaugural Banquet" marks the one-year anniversary of the creation of the GLBT Programs Office and the passage of the regents' resolution extending benefits to same-sex domestic partners of university employees and students. Both developments were the result of recommendations made by the University Select Committee on Lesbian, Gay, Bisexual Concerns, which completed its three-year investigation of campus climate in the fall of 1993.

In addition to Sayles-Belton's address on *Vision for an Inclusive Minneapolis*, the banquet will include the presentation of the first "Breaking the Silence" awards to Nils Hasselmo, university president, and Marjorie Cowmeadow, chair of the University Select Committee on Lesbian, Gay, Bisexual Concerns.

For more information, contact the GLBT Programs Office at (612) 625-6042.

**Contacts: Beth Zemsky, GLBT Program Office, (612) 626-9765
Nina Shepherd, News Service, (612) 624-0214**

12/5/94

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UNIVERSITY OF MINNESOTA JANUARY STARWATCH

by Deane Morrison

A new moon comes in with the new year in 1995. Meanwhile, the knot of bright stars that have always been a staple of January viewing wheel into prominence. Edging into the eastern sky, however, the constellation Leo, marked by Mars and the bright star Regulus, offers a hint of spring.

Planets are plentiful in January. Saturn comes out in the southwest after sunset, still shining all by its lonesome below the Great Square of Pegasus. The big planet's rings, now tilted only five and a half degrees from edgewise, are straightening and will appear edgewise in May. By that time, Saturn will be a morning planet. Evening starwatchers should see it now, because only a few weeks remain until it sinks into the twilight.

The Hubble Space Telescope has recently sent back the first images of the surface of Saturn's jumbo moon Titan. Larger than the planet Mercury, Titan is the only other body in the solar system that may support oceans and rainfall, although the Titanic oceans and rain would probably consist of toxic methane and ethane. At minus 289 degrees F, any water on Titan's surface would freeze hard as granite. Some astrophysicists speculate that Titan's harsh conditions might be similar to the situation on Earth before life appeared and transformed the planet.

Mercury makes a brief appearance in the western twilight. Best chance for viewing comes around the 20th, when the "messenger of the gods" will come out far to the lower right of Saturn.

Mars, in Leo, rises around 8:45 p.m. on New Year's Day and more than two hours earlier by the 31st. Mars doubles in brightness during January and should be easy to find as it trails the familiar winter constellations into the sky. The red planet, now almost directly opposite the sun, outshines every star but Sirius.

Venus and Jupiter decorate the morning sky. Rising a couple of hours before dawn, the two bright planets line up with the red star Antares in Scorpius on the 13th. Venus, the brightest and highest, looks white; Jupiter, in the middle, appears faintly yellow. Venus and Jupiter pass within

three degrees of each other the next two mornings. By the end of the month, the two planets will have pulled 15 degrees apart, and Jupiter will appear noticeably higher than Venus.

New moons bracket January, arriving on the 1st and 30th. The full moon on the 16th wanes to a crescent that pairs spectacularly with Venus on the 27th. This moon, known as the wolf moon to some Indian tribes, takes its name from the hungry wolves that howled outside the villages this time of year. It has also been called the old moon.

The hourglass form of Orion, perhaps the best-known constellation, comes into its own this month. Above and west of Orion, Taurus the bull dips his horns for the charge. His eye peers at us through the bright star Aldebaran, the Pleiades star cluster marks his shoulder, and his horns extend over Orion's head. Below Orion, the gloriously bright Sirius anchors Canis Major, the larger of Orion's two hunting dogs. Northeast of Orion is the smaller dog, Canis Minor, represented by only a few stars, notably Procyon. One of the nearer stars, Procyon floats through space a mere 11.5 light-years away. Its name means "before the dog," that is, before the Dog Star, Sirius.

Earth reaches perihelion, the point in its orbit nearest the sun, on the 4th. On that day we'll be 91.4 million miles from our parent star, about 3 percent closer than at aphelion in July.

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

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12/6/94

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DAVID TESLOW RESIGNS AS MINNESOTA MEDICAL FOUNDATION HEAD

David Teslow, president and chief executive officer of the Minnesota Medical Foundation at the University of Minnesota, is resigning to assume the foundation's newly created job of vice chair of strategic fund raising and community relations.

Paul Birkeland, chair of the foundation's board of directors, said a national search for Teslow's successor will begin immediately. Teslow will remain in his current position until his successor is named.

"The Minnesota Medical Foundation has grown impressively under David Teslow's leadership," said Birkeland. "We are delighted that he will remain in place during the search, and we are enthusiastic about the continuing contributions he will make in his new position."

Teslow was the foundation's development director from 1973 until 1979, when he became executive director of the Methodist Hospital Foundation. He returned to the Minnesota Medical Foundation in 1985 to succeed the late Eivind Hoff as president and chief executive officer.

"I think 10 years is the right amount of time," Teslow said. "I took a hard look at what we had hoped to accomplish, and we've met or exceeded all the targets. The foundation has superb financial strength, and this is the appropriate time for new leadership. I'm enthusiastic about the search for my successor, and I look forward to my new responsibilities, which will allow me to focus on two of my favorite activities: personal donor contact and community activities that enhance the awareness and image of the foundation."

Annual gifts to the foundation rose from \$4.7 million in fiscal 1985—the year immediately preceding Teslow's presidency—to \$18 million in fiscal 1994. During the same period, foundation assets rose from \$18 million to more than \$100 million and endowments grew from \$11 million to \$78 million.

The Minnesota Medical Foundation, founded in 1939, is a nonprofit organization dedicated to raising and distributing funds for medical research and education at the University of Minnesota Medical School.

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U OF M REGENTS PLAN ACTION ON U2000 PERFORMANCE GOALS THURSDAY

- User-Friendly ID card to be discussed
- Report on direct student loan pilot program

The University of Minnesota Board of Regents will vote on the administration's first five proposed goals for measuring the success of University 2000, a long-range plan to take the university into the 21st century, at its regular monthly meeting Thursday, Dec. 8. A scheduled vote on the goals last month was postponed because of time limitations, with the understanding that the administration would consult further with board members between meetings.

In other action, the regents will discuss plans for a multipurpose identification card designed to make the campus more user-friendly. The card would serve not only as an I.D., but would also allow students and staff access to campus services ranging from food to recreational sports to banking. Plans call for the first cards to be issued to a test group of 800 to 1,000 people toward the end of winter quarter.

Regents will also hear a report on a federal student loan program in which loans are issued directly to students through the educational institution, without the participation of lenders and guarantee agencies. The Duluth campus is currently participating in this pilot program.

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

Thursday, Dec. 8

- 8:30 a.m. Facilities, 238 Morrill. Campus master planning report.
- 8:30 a.m. Faculty, staff and student affairs, 300 Morrill. Report on the multipurpose ID card.
- 10:15 a.m. Financial operations and legislative, 238 Morrill.
- 10:15 p.m. Educational planning and policy, 300 Morrill. Report on federal student loan (direct lending) pilot program at UMD.
- 1:30 p.m. Committee of the whole, 238 Morrill. U2000 critical measures.
- After Committee of the whole: Board of Regents, 238 Morrill.

Friday, Dec. 9

- 8 a.m. Audit, 300 Morrill.

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IMMIGRANT, REFUGEE EXPERIENCE SUBJECT OF U OF M WORKSHOP DEC. 10

“The Refugee and Immigrant Experience: A Workshop for Educators,” will be held Saturday, Dec. 10, at the University of Minnesota Law School.

Highlights include:

- 10:10-10:30 a.m. “Myths and Realities of Immigration,” a talk by immigration attorney

Katayoun Mohammad-Zadeh;

- 10:30-11 a.m. “Refugees: Disposable People?” a talk by Judy Mayotte, chair of the Women’s Commission for Refugee Women and Children; and

- 11:40 a.m.-12:15 p.m. A panel of refugees and immigrants tell their stories.

The workshop is sponsored by Partners in Human Rights Education, a project of the Law School; Minnesota Advocates for Human Rights; and the Women’s Commission for Refugee Women and Children.

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SANTA TO DISTRIBUTE TOYS TO PATIENTS AT U OF M-VARIETY CHILDREN'S HOSPITAL PARTY DEC. 18

Toys and gifts bought with donations from University of Minnesota health center faculty and staff and the University Rotary Club will be distributed to adult and pediatric patients Sunday, Dec. 18, at the ninth annual patient holiday party, sponsored by the University-Variety Children's Hospital and the Radisson Metrodome Hotel.

The party will take place from 12:30 to 2:30 p.m. in the hospital lobby, located at Harvard Street and East River Road, on the Minneapolis campus. The Teddy Bear Band will play until 1:15 p.m., when Santa Claus will arrive.

Reporters and photographers are welcome.

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U OF M WILL USE SATELLITE TO TRACK MOOSE IN VOYAGEURS PARK

Satellite-tracking collars on moose in Voyageurs National Park will help University of Minnesota researchers study how foraging moose and forest affect each other. The study, expected to begin in February, will be funded by a five-year \$765,000 National Science Foundation grant.

John Pastor, research associate at the Natural Resources Research Institute (NRRI) on the Duluth campus, and Yosef Cohen, professor of fisheries and wildlife on the Twin Cities campus, will track six moose to learn how forest composition affects moose and vice versa.

Moose will be collared by Helicopter Wildlife Management, which will capture the animals by dropping nets from helicopters. Unlike tracking collars that must be monitored by airplane, collars in the university study will use a global positioning system (GPS) to record data for a remote radio command center. GPS technology will allow the moose to roam without interference, providing the most natural data available. The researchers will feed their data into a computer model to determine how moose pursue their eating strategies.

“This is the first time we’ll be able to predict numbers of moose by examining how their interactions with the environment affect the landscape,” Cohen said.

Previous research indicates moose eat aspen and birch but avoid spruce and fir, leaving soil productivity low and constant. Without moose foraging in an area, soil productivity is generally high but variable.

“With this new data assimilated in the computer model, researchers will be able to provide information necessary for forest management practices and timber harvesting in moose habitat areas,” said Pastor.

Contacts: Nora Kubazewski, NRRI, (218) 720-4280

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THREE BALD EAGLES TO BE RELEASED AT FORT SNELLING TOMORROW (FRIDAY, DEC. 16)

The University of Minnesota Raptor Center will release three bald eagles at noon Friday, Dec. 16, from the Historic Fort Snelling parking lot.

The eagles, all found injured in Wisconsin, were brought to the center from La Crosse, Cumberland and Watertown. The La Crosse eagle had a bruised wing, the Cumberland eagle suffered a collarbone fracture, and the Watertown bird had a fractured shoulder.

The Raptor Center is a nonprofit organization dedicated to the treatment of sick and injured birds of prey.

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Media note: Paul Abramowitz, University Hospital director of pharmaceutical services, is available for interviews at 626-3200. Photos should be arranged through Mary Stanik at 624-4604.

ONE OF COUNTRY'S FIRST MEDICATION DISPENSING ROBOTS IN OPERATION AT U OF M HOSPITAL AND CLINIC

A robotic medication dispenser that can significantly reduce human error, allow pharmacists more time for patient care and reduce personnel costs has become fully operational at the University of Minnesota Hospital and Clinic pharmacy. The hospital is one of the first six U.S. sites to purchase the robot.

The Automated Pharmacy Station™ robot, manufactured by Automated Healthcare of Pittsburgh, Pa., is linked to a central pharmacy computer that allows it to:

- read bar-coded patient files to determine medication needs;
- select individual-dose medications from a storage station and place them in the patient's medication drawer;
- remove expired medications and return unused medications;
- eliminate the need for patient file double-checking by pharmacists;
- track, restock and monitor medications; and
- record picking and medication returns.

The robot is expected to pay for itself within three and a half years.

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U OF M RAPTOR CENTER TREATS TRUMPETER SWANS FOUND SHOT

The University of Minnesota Raptor Center is treating two of three young trumpeter swan siblings that were recently found shot in Illinois. The third swan has died.

The young swans were part of a restoration program for endangered species in Wisconsin. They were found shot near their Decatur wintering area, and a wildlife biologist who monitors the birds reports that the swans' parents and remaining two siblings have not been sighted in several weeks.

The swans' parents were one of 10 pairs nesting in Wisconsin this summer, according to Lisa Hartman, a wildlife research biologist with the Wisconsin Department of Natural Resources (DNR). The 10 pairs fledged a total of 25 cygnets, and the injured birds were part of a clutch of five cygnets that left the nest this summer. They received initial treatment at the University of Illinois, where one died. The other two were transferred to the Raptor Center for surgery and rehabilitation.

The first swan was admitted Nov. 30, suffering from a broken wing, which was repaired Dec. 5. It is recovering well, but must be hand-fed. The second, identified by a neck band as a sibling of the first, was admitted Dec. 13. This bird has an open wound on the right wing. It is thought to have been shot at the same time as the first, but wasn't found until more than a week later. Because there is exposed dead bone at the fracture site, part of its wing will be amputated and the bird will be raised in captivity. Veterinarian Elizabeth Stone operated today (Dec. 19).

It is illegal to shoot a protected species such as a trumpeter swan, even unintentionally. Whoever shot these swans faces a \$1,000 penalty.

Although swans are not raptors, the center is treating the birds because they're an endangered species and the center has the means to care for large birds. Trumpeter swans weigh up to 22 pounds, more than twice the weight of the eagles the center usually treats. The Raptor Center, a private, nonprofit organization within the university's College of Veterinary Medicine, annually treats nearly 700 birds of prey.

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Lisa Hartman, Wisconsin DNR, (608) 221-5367

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Media note: Embargoed by the *Journal of the National Cancer Institute* until 5 p.m. CST Tuesday, Dec. 20, for use by both electronic and print media. Sellers is available for interviews at (612) 626-1733.

U OF M STUDY: BREAST CANCER RISK HIGHER FOR POSTMENOPAUSAL WOMEN WITH FAMILY HISTORIES OF BREAST AND PROSTATE CANCER

Postmenopausal women concerned about their risk of breast cancer may now need to look at their family history of prostate cancer as well as breast cancer, according to the results of a University of Minnesota study published in the Dec. 21 issue of the *Journal of the National Cancer Institute*.

In the six-year study, 30,883 Iowa women who were between the ages of 55 and 69 when the study began in 1986 were asked about their family history of breast cancer (mothers and sisters) and prostate cancer (fathers and brothers). Some also volunteered information about ovarian cancer in relatives. The researchers observed a family history of both breast and prostate cancer much more frequently than expected; similarly, a family history of breast, ovarian, and prostate cancer occurred more frequently than predicted. These findings imply a possible genetic susceptibility to these common cancers.

Women who reported a father or brother with prostate cancer were much more likely to report that a sister had developed breast cancer than were women with no family history of prostate cancer. An increased risk of breast cancer was evident among women with a family history of breast cancer, compared to women without a family history of either breast or prostate cancer, especially if a mother or sister developed breast cancer before age 45. However, the group of women with the greatest risk of developing breast cancer was that with a family history of both breast and prostate cancers.

"When women think about their risk of breast cancer, they typically think only about female family members," said Thomas Sellers, associate professor of epidemiology at the university's School of Public Health and lead author of the study. "However, if susceptibility is because of our genes, then half the time we inherit the potentially bad gene from our fathers. Results from this study suggest that a family history of prostate cancer is another risk factor to evaluate. At this point, we can't tell if what we observed is because of shared genes, since one could just as easily argue that our findings of greater clustering of these cancers in some families is because they share similar diets or a tendency to be overweight."

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U OF M FOUNDATION ELECTS NEW OFFICERS, TRUSTEES

New officers and five new members have been elected to the University of Minnesota Foundation Board of Trustees. The trustees oversee the university's private fund-raising efforts, which generated \$65 million in new gifts in fiscal year 1994.

Elected to one-year terms of office are: chair James Campbell, president and chief executive officer, Norwest Bank Minnesota; vice chair Luella Goldberg, director of Northwestern National Life Insurance Co. and former acting president of Wellesley College; treasurer Diana Murphy, circuit judge, Eighth Circuit Court of Appeals; and secretary Stanley Hubbard, chair, president and chief executive officer, Hubbard Broadcasting Inc.

New members serving three-year terms are: James Johnson, chair and chief executive officer of Federal National Mortgage Association; James Pohlada, executive vice president, Marquette Bancshares Inc.; Carol Truesdell, executive director, Youth Trust; and Dorothy Tucker, professor emeritus, University of California, Los Angeles.

Leaving the board are: Anthony Andersen, Mary Junck, Elton Kuderer, Roger Parkinson and Robert Unterberger.

The University of Minnesota Foundation, founded in 1962 by business and community leaders, has helped raise more than \$1.5 billion to strengthen the university's teaching, research and outreach programs.

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MAJOR GIFT FROM ST. JUDE MEDICAL ADVANCES BIOMEDICAL ENGINEERING PROGRAM AT U OF M

- \$500,000 will help create new professorship**
- Two medical device giants join forces with university**
- \$12 million gift drive launched**

St. Jude Medical Inc. of Little Canada has pledged \$500,000 to the University of Minnesota's Biomedical Engineering Center (BMEC); the gift, coupled with matching funds from the University of Minnesota Foundation, will be used to create the St. Jude Medical Professorship in Biomedical Engineering. In addition, St. Jude's chief executive officer, Ron Matricaria, has agreed to chair a major gift campaign to endow the center, where scientists apply the principles of engineering toward advancing human health.

St. Jude Medical, which competes with Medtronic in the medical device and technology market, will work alongside the Fridley company in this endeavor. It was a gift from Medtronic that launched the BMEC, a joint venture of the university's Institute of Technology (IT) and Medical School directed by pathologist Leo Furcht. The gift also helped establish the Earl E. Bakken Chair in Biomedical Engineering, named for Medtronic's founder and held by Matt Tirrell, professor of chemical engineering and materials science. And St. Jude Medical's gift has triggered a \$250,000 Medtronic match toward the major gift campaign.

A goal of \$12 million has been set for the campaign. Earl Bakken and Dr. C. Walton Lillehei, director of medical affairs at St. Jude Medical and a pioneer in open-heart surgery at the university, are the honorary co-chairs of the campaign.

"The university and our company have been intertwined for more than 20 years," Matricaria said. "Dr. Lillehei's heart-valve research at the university during the '70s led to the design used in our product. The first implant of the St. Jude Medical heart valve occurred at the University of Minnesota Hospital in 1977. Our pledge, and my personal commitment

(MORE)

to the campaign, are in part a thank you to this institution for the role it has played in our company's success and in the improved lives of more than half a million patients who have been helped by the St. Jude Medical valve."

In addition to the major players in the medical industry, the university is hoping that smaller, emerging companies that benefit from cutting-edge research will also support the campaign. One such company, Eden Prairie-based Augustine Medical Inc., has already pledged \$50,000, which will be matched by \$25,000 from Medtronic. The company, founded in 1987 by anesthesiologist and university Medical School graduate Scott Augustine, ranked 72nd on *Inc.*'s list of 500 fastest-growing private companies in 1993.

"We are pleased and encouraged by this corporate support," said IT Dean Frank Kulacki. "It is critical for Minnesota to continue fostering research and innovation in medical technology so that the Medtronics and St. Jude Medicals of the 21st century can blossom in our state."

"Biomedical engineering is a high priority for both IT and the Medical School," said Academic Health Center Provost William Brody. "We are very appreciative of Ron Matricaria's willingness to commit his time and energy to help the university achieve its fundraising objective for the BMEC. And we are honored that two medical technology pioneers are engaged in this campaign."

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Peter Gove, St. Jude Medical, (612) 481-7790**

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MESABI REGIONAL MEDICAL CENTER BOARD APPROVES LETTER OF INTENT TO AFFILIATE WITH U OF M HEALTH SYSTEM

Hibbing-based Mesabi Regional Medical Center (MRMC) moved a step closer to becoming aligned with the University of Minnesota Health System (UMHS) when its board of directors approved a letter of intent to affiliate with the university Wednesday, Dec. 21. A formal agreement is expected to be finalized in the next 30 to 60 days pending approval of the university's board of regents. The UMHS' board of governors approved the letter Dec. 14.

"UMHS values our long-standing relationship with the Mesabi Regional Medical Center and the physicians of Hibbing," said Greg Hart, UMHS president. "Through this affiliation we will become a more integral part of the Hibbing/Chisholm community."

"This alliance will enable the Mesabi Regional Medical Center to increase community access to the latest medical advances and will result in a more cost-effective delivery of services," said Fran Gardeski, MRMC chief executive officer. Affiliation plans call for a new Radiation Therapy Center to be built on MRMC's campus. Gardeski added that the medical center's board of directors will appoint the chief executive officer who will in turn hire senior management responsible for day-to-day operations.

"The University Health System brings outstanding medical resources which will truly benefit people who need and desire high-quality health care services," said Rick Kasner, chair of the MRMC board of directors. The MRMC will maintain its own board of directors made up of area residents, members of the medical staff and representatives appointed by UMHS. "By having local residents active in medical center management we can better serve the community's needs," said Kasner.

Hart adds that UMHS continues to negotiate with the Mesabi Clinic. "We are pleased with the progress to date and look forward to finalizing an agreement in the near future," said Dr. Michael Heck, Mesabi Clinic president.

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