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Record

Dec. 9, 1999

Volume 24 No. 15



Washington University in St. Louis



All systems are go University Y2K preparations complete

By CHRISTINE FARMER

No major problems are anticipated in association with the much-hyped Y2K, but officials are confident that the University is prepared for any challenges during the transition into the new year, and steps have been taken to ensure timely correction of minor problems.

"Washington University has viewed Y2K as a serious matter,

and we have pursued an aggressive compliance program for nearly four years," said Chancellor Mark S. Wrighton in a letter to deans, directors and department heads. "We are confident that the University is prepared to meet any challenges. We also have many staff who will be working over the New Year's weekend to ensure that any problems that may arise are dealt with promptly and effectively."

The School of Medicine has collaborated with BJC Health System on contingency plans to ensure that patient care is not disrupted and that critical research and administrative functions are maintained.

"We intend to enter the new year with no significant problems associated with computer hardware, software applications, embedded systems or any services that depend on computer-assisted

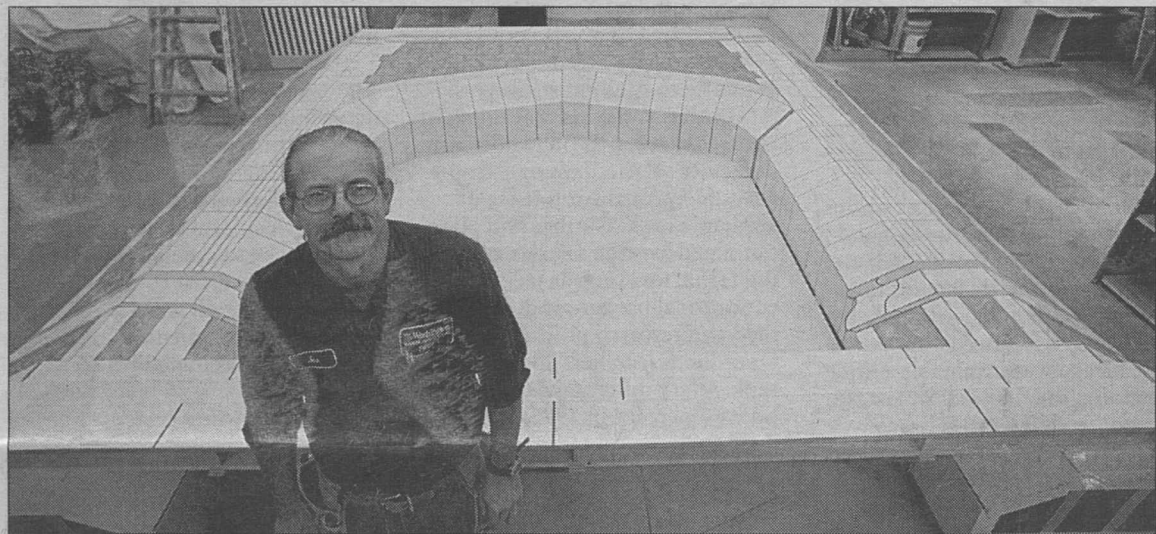
operation," Wrighton said. "All critical systems and activities that might be affected by the change in year have been evaluated and, where necessary, upgraded. We plan to deal with minor, readily correctable problems in non-essential areas."

Hilltop and medical computing services have plans to suspend operations temporarily Dec. 31, a scheduled holiday, so that additional system backups and

final Y2K testing can be performed. This is important because it could mean that users are temporarily unable to connect to a particular system. Most Hilltop systems will be operational by Jan. 2.

The medical school will be working closely with the BJC hospitals to bring down and back up certain critical medical data systems. Those needing access to

See Y2K, page 5



University carpenter Joe Reid crafted this mocked-up version of a proposed new campus sign, to be located at the corner of Forsyth and Skinker boulevards. Reid's woodworking and the painting skills of two other facilities employees combined to make a convincing replica of the collegiate gothic design.

Campus carpenter mocks up monumental sign

By CHRISTINE FARMER

Facilities employees have built and painted a large wooden replica of a monumental new Washington University sign that will greet people at the southeast entrance to the Hilltop Campus.

The mocked-up sign, 15 feet tall, will be erected at the corner of Forsyth and Skinker boulevards this month. The University welcomes comments and input about the design, which should be directed to Ralph Thaman at 935-5831.

"We need better signage to

let visitors know where campus starts," said Steven G. Rackers, manager of capital projects and records in Facilities, Planning and Management. "Usually a mock-up is done by the consultant who conceived the idea, but I suggested we do this in-house, since Joe Reid is a really good carpenter."

Reid spent three weeks constructing the sign, using 14 sheets of plywood.

"This is definitely the most challenging job I've ever done," Reid said. "I didn't think it would take that long, but when I got into that archway it got

tedious. This is like something they would build over at Edison Theatre as a prop."

Two other facilities employees, Willie Heffernan and Clayton Utzler, painted the sign in about a week and a half using sponges and three different colors to make the wood resemble granite.

"We drove around and looked at some of the buildings and different stones to get the shape and color right," Heffernan said. "This is more like stage props and a nice change instead of doing halls and rooms."

Resource will provide cutting-edge imaging

By TONY FITZPATRICK

Joseph J. H. Ackerman, Ph.D., professor and chair of chemistry in Arts & Sciences, and Michael J. Welch, Ph.D., professor of radiology and co-director of the School of Medicine's radiological sciences division, are co-directors of a new positron emission tomography/magnetic resonance imaging (PET/MRI) resource that will provide state-of-the-art facilities to study the effects of disease on small laboratory animals. The animals serve as models for study of a wide range of normal and abnormal physiological processes.

The National Cancer Institute (NCI) is funding the effort, the Washington University Small Animal Imaging Resource or WUSAIR, for five years at \$3.2 million. The PET/MRI resource is located on the Medical Campus in the radiology department.

Only four other institutions in the country — the University of Arizona, University of Michigan, Sloan-Kettering Hospital and the University of Pennsylvania — have been chosen to develop similar resources.

Cancer studies on small laboratory animal models such as mice and rats will be the research focus, drawing on the nuclear

medicine, biophysics and biomedical engineering expertise of Ackerman and Welch.

Ackerman, the program's principal investigator, is a noted leader in magnetic resonance imaging, which is a noninvasive, painless technology that produces two- and three-dimensional images using a strong magnetic field, radiowaves and computers.

Welch, likewise, is highly regarded for his work in positron emission tomography, a noninvasive, painless imaging technique that uses radioactive tracers to show chemical activities in the body and brain.

See Imaging, page 6

Happy holidays!

This is the last issue of the century for the Record, which will resume publication with the new semester Jan. 20, 2000. The Record staff wish all members of the University community a refreshing winter break and the best of the holidays.



Book of Life Scientists read first 'chapter,' unraveling chromosome 22

An international research team that includes the medical school's Genome Sequencing Center has achieved a scientific milestone: The collaborators have unraveled, for the first time, the genetic code of an entire human

chromosome, a chapter of the human genetic instruction book.

As reported in the Dec. 2 issue of Nature, researchers here and at the Sanger Centre near Cambridge, England; the University of Oklahoma in Norman; and Japan's Keio University have succeeded in deciphering the sequence of the 33.5 million "letters" or chemical components, that make up the DNA of chromosome 22. Washington University contributed 5 percent of this sequence.

"This milestone increases our confidence that the Human Genome Project will be able to complete a working draft of the DNA sequence of the entire human genome by next spring and finish the sequence by 2003,"

said Richard K. Wilson, Ph.D., associate professor of genetics and co-director of the Genome Sequencing Center. Wilson represented the center Dec. 1 at a news conference in Washington, D.C., organized by the National Institutes of Health.

The chromosome 22 sequence includes the longest continuous stretch of DNA ever deciphered and assembled.

Each human gene is made up of a series of chemical building blocks represented by letters, A (adenine), T (thymine), G (guanine) and C (cytosine). The number and order of these letters, also called bases, determine what we are, how we look and the diseases to which we may be predisposed.

The next mammoth task is to determine what it all means. Sequencing and mapping efforts have already revealed that chromosome 22 is implicated in the workings of the immune system, congenital heart disease, schizophrenia, mental retardation, birth defects and several cancers, including leukemia. But the scientific team agrees that many more secrets are to be discovered in this decoded text.

Francis Collins, M.D., director of the National Human Genome Research Institute of the National Institutes of Health, expressed excitement about the achievement. "To see the entire sequence of a human chromosome for the first time is like seeing an ocean liner emerge out of the fog, when

all you've ever seen before were rowboats," Collins said. The institute supported the U.S. contribution to the chromosome 22 sequencing.

Chromosome 22 is the first of 23 human chromosome pairs to be deciphered, because of its relatively small size and its association with several diseases and because of the groundwork of several scientists beginning in the early 1990s.

Among the findings the sequence reveals about the chromosome 22 landscape:

- A total number of at least 545 genes and 134 pseudogenes (genes that once functioned but no longer do) were detected on the chromosome, with 200 to 300

See Genome, page 7

A Rhodes Scholar

At press time, the Record received word that Benjamin E. Cannon, a 1999 graduate and former Student Life editor-in-chief, has received a Rhodes Scholarship to the University of Oxford, England. The Jan. 20, 2000, Record will include an article about Cannon and his selection.

Study shows tenure process at root of gender inequities

By GERRY EVERDING

Although women faculty in the humanities continue to make less on average than men, it is not a result of discriminatory compensation practices, according to a new national study co-authored by Donna Ginther, Ph.D., assistant professor of economics in Arts & Sciences. Instead, the traditional academic promotion and tenure process is to blame.

"Our study suggests that university policies addressing gender-based faculty salary differentials must focus on the influence of academic rank on salaries," Ginther said. "Efforts that focus solely on faculty salary differences are misplacing their emphasis. The gender gap in faculty salaries is being driven by academic promotion and tenure decisions."

Ginther presented the study recently at a meeting of the Federal Reserve Board of Atlanta. Based on an analysis of data from the National Science Foundation Survey of Doctorate Recipients, the study is titled "Changes in Gender Salary and Promotion Differentials 1977-1995 for Faculty in the Humanities." Her co-author is Kathy Hayes, Ph.D., professor of economics and associate dean of Dedman College at Southern Methodist University.

Ginther contends that much of the recent research on gender equity in faculty salaries fails to account adequately for the influence of academic rank. Ginther and Hayes estimated average salaries accounting for factors such as faculty educational background, academic field and research productivity. Once the researchers controlled for rank, salary differentials shrank to under 3 percent in 1995. However, their analysis still found substantial gender differences in promotion to tenure.

Gender discrimination for academics in the humanities, they concluded, tends to operate primarily through the academic promotion process. On the bright side, they found that male-female differences in academic promotions seem to be decreasing among the most recent recipients of humani-

ties doctorates.

During the 1970s and 1980s, significant gender-based gaps in salaries were documented even among faculty of the same academic rank. However, recent studies by Ginther and others suggest that male-female salary differentials have largely vanished among faculty of the same rank. Male faculty continue to earn more on average because men have been more successful in obtaining promotions to higher-paying academic positions, especially tenured positions.

Ginther recommends that universities seeking gender equity in faculty wages concentrate on answering two questions: How are faculty promoted? Are there gender-based differences in the promotion process?

Though the tenure process is designed to be objective, in reality faculty voting to grant tenure realize that their decision could force them to work closely with a person for the rest of their academic career. Inevitably, tenure decisions are influenced by subjective personal issues.

Ginther also contends that mentoring, or the lack of it, plays a vital role in the tenure process. Junior faculty tend to excel when department leadership and senior faculty meet with them often to provide advice on how to get published and how to get tenure. Much of this mentoring now takes place on an informal basis, a process that could place women at a disadvantage, especially in the sciences and other male-dominated fields, Ginther said.

"Getting tenure is an extremely complicated process," Ginther said. "Unless some attention is paid to professional development for junior faculty, most will have a great deal of difficulty trying to figure it out on their own. If universities are serious about addressing gender equity issues among campus faculty, our study shows that the promotion process is definitely the place to target their efforts."



Meet the press Hendrik Verfaillie, president and chief operating officer of Monsanto Co., answers questions about agro-biotechnology from reporters Desiree Hanford (left), staff reporter, Dow Jones Newswires; Nikki Tait (center), Chicago correspondent, Financial Times; and Jill Crocker, reporter, Metro Networks radio service. Verfaillie was part of a news conference held just before the Life Sciences Symposium Nov. 29 at the John M. Olin School of Business. About 250 corporate, academic and community leaders attended the event.

Budding lawyers work for common good

By ANN NICHOLSON

From the urban landscapes of Chicago to the rural poverty of Appalachia to the Justice Department in Washington, D.C., School of Law students are immersing themselves in public interest law, learning how to use the legal system on behalf of the powerless to promote the common good.

"While the legal profession has received much justified criticism, it also has a long history of contributing to make society work better," said Katherine Goldwasser, J.D., associate dean for student affairs and professor of law. "The School of Law takes very seriously the public interest obligation of lawyers and believes in the importance of instilling this responsibility in our students."

The law school is joining major new public interest initiatives with ongoing programs to offer additional stipends and scholarships, in-house clinics, added career services personnel and lectures by international figures in this key area of legal practice.

At the opening of its Interdisciplinary Environmental Law Clinic Nov. 17, the law school also announced new annual summer stipends for students practicing public interest environmental law. The stipends were made possible through an annual \$5,000 grant from the non-profit Middle Fund and Friends of J. Peter Schmitz. The J. Peter Schmitz Summer Fellowship Program is named in memory of a longtime St. Louis attorney, a tireless advocate for environmental causes and former president of the Open Space Council. Schmitz, a law school alumnus, died May 24, 1999.

Beginning this summer, the fellowship program will provide at least two new stipends to support students working for employers who promote environmental causes, but could not otherwise afford to pay a regular salary to their summer interns.

Additionally, last year the law school raised \$24,000, which, in combination with an anonymous \$20,000 matching grant, provided \$44,000 in public interest summer

stipends. The student-run Women's Law Caucus also annually raises funds and awards grants for public interest summer internships.

Last summer, about 25 students received fellowships from these programs, which are designed to offset living expenses while students gain valuable experience in volunteer positions.

Second-year law student and stipend recipient Jennifer Chang said her experience last summer working with indigent clients at the Legal Assistance Foundation in Chicago was invaluable. "After spending the first year of law school studying cases, it was especially rewarding to have actual, hands-on experience working for people," she said.

Second-year law student Brian Larson worked at the Southern Appalachian Labor School in Beard's Fork, W. Va., tackling miners' black lung civil cases, clearing up liens and setting up a not-for-profit corporation. "In the two and a half months I was in Beard's Fork, I worked like a dog and learned a lot. It helped me grow," he said.

Other internship sites included the Volunteer Lawyers and Accountants for the Arts, Habitat for Humanity International, U.S. Department of Health and Human Services, U.S. Department of Justice, public defender offices and legal services offices across the country.

The school also has expanded its award-winning Clinical Education Program this year with a "clinical guarantee," promising clinic enrollment to all second- and third-year students.

In addition to the new environmental clinic, the law school offers clinics in civil justice, criminal justice, capital punishment and employment law, as well as the Judicial Clerkship Clinic and Washington, D.C.-based Congressional and Administrative Agency Clinic.

To support the in-house clinical programs, the law school this fall hired a staff attorney, C.J. Larkin, J.D., and a clinic coordinator, Carole Barnes. The Career Services Office also now has a full-time assistant director for public service, Mary Zabriskie, J.D.

Dean Joel Seligman, J.D. noted: "Through our stipends and scholarships, clinical curriculum, Public Interest Law Speakers Series and other programs, the School of Law is committed to educating our students about their future profession's responsibility for achieving social justice."

Spotlighting public interest law

A Jan. 19 lecture by the Honorable D'Army Bailey will kick off the spring semester in the School of Law's year-long Public Interest Law Speakers Series, "Access to Justice: The Social Responsibility of Lawyers."

Founder of the National Civil Rights Museum in Memphis and a Tennessee circuit court judge, Bailey will discuss "Lawyerling Toward Justice: A Historical Perspective" at 11 a.m. in Anheuser-Busch Hall.

Other lectures in the series:

• 3 p.m. Jan. 31 — Gerhard Casper, Stanford University president and a constitutional law expert, on "The United States at the End of the American Century: The Rule of Law or

Enlightened Absolutism?"

• 11 a.m. Feb. 23 — Richard Dicker, associate counsel with the Human Rights Watch organization, on "International Justice in the 21st Century."

• 11 a.m. March 22 — Sylvia A. Law, the Elizabeth K. Dollard Professor of Law, Medicine and Psychiatry at New York University, on "Families and Federalism."

• 3 p.m. April 5 — Charles J. Ogletree Jr., the Jesse Climenko Professor of Law and director of the Criminal Justice Institute at Harvard University, on "Racial Justice in the New Millennium: Following in Judge Higginbotham's Footsteps."

For more information, call 935-4958.

News Briefs

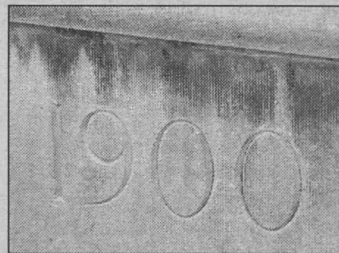
Web registration

Washington University students have begun registering for spring semester courses via the World Wide Web, thanks to a new system put in place by a team of administrators and programmers. The Web-based registration is part of an ongoing effort to improve the University's Student Information System.

As the system gets up and running, a lottery system is determining the time when each student can register, to prevent overloading the system at peak hours. Dennis J. Martin, associate vice chancellor and associate dean of Arts & Sciences, and Bill Smith, associate vice chancellor for information systems, have headed up the team to improve the Student Information System.

Garage deck closing

The east upper deck of the Millbrook parking garage will be closed during the initial phases of construction of the new Arts & Sciences Laboratory Science Building, to be located between McMillan Hall and the Ann W. Olin Women's Building. Work will begin on the



Campus quiz: The end of the century seems a fitting time to ask: Where would one find this Hilltop Campus cornerstone, laid as the century opened?

130,000-square-foot building during winter break and is expected to be complete by April 2002.

Call for nominations

The Office of Alumni and Development Programs is seeking nominations for persons to receive distinguished faculty and alumni awards at the 1999 Founders Day in October.

The deadline is Jan. 1. For more information, call Stephané Rebeck, associate director of alumni relations, at 935-6503.

Answer: Busch Hall, where this cornerstone is located, is one of only two Hilltop buildings dating from 1900 (Brookings Hall is the other).

Record

Washington University community news

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Medical School Update

Spinal cord injury

Delayed treatment proves helpful in rats

BY LINDA SAGE

School of Medicine scientists have developed a treatment that improves the locomotion of rats when administered more than a week after spinal cord injury. They turned embryonic stem cells into precursors of nerve cells and transplanted the precursors into the injury site. Inside the animals, some of the cells survived and developed into the three major types of cells needed for spinal cord repair. In the future, the researchers hope to use this approach to design repair strategies for humans.

"Establishing regenerative therapies that promote substantial improvements in locomotion when instituted after the injury process is complete has been a difficult obstacle," said John W. McDonald, M.D., Ph.D. "This is a key threshold that has not been crossed."

McDonald and colleagues report the advance in the December issue of *Nature Medicine*. McDonald is an assistant professor of neurology and directs the Spinal Cord Injury Unit at the medical school and Barnes-Jewish Hospital.



McDonald: Directs spinal rehab

"The biggest problem in treating spinal cord damage is helping people with existing injuries regain function," said Dennis W. Choi, M.D., Ph.D., the Andrew B. and Gretchen P. Jones Professor and head of neurology. "This paper is the first to report a delayed treatment that promotes recovery."

Between 250,000 and 500,000 Americans have spinal cord injuries. Because many of them are young, they will spend decades in a wheelchair unless new therapies can be developed. "You might need to repair only a small fraction of the cord's damaged connections to convey valuable benefits to patients," said Choi, who also is neurologist-in-chief at Barnes-Jewish Hospital.

The neurons in the spinal cord have arms called axons that can extend up to several feet in humans. Serving as telephone wires, the axons carry messages between the brain and the rest of the body. But traumatic injury to the spinal cord can kill neurons or sever their axons, interrupting this flow of information. "One of the biggest limitations to recovery of function is that the mammalian central nervous system isn't capable of generating a sufficient number of cells to replace those that are lost through injury," McDonald said. "So transplantation seems like a possible solution."

Unlike hearts or kidneys, pieces of adult spinal cord don't survive transplantation. So researchers have tried transplanting embryonic neural tissue, which survives but doesn't divide and therefore can provide only limited numbers of replacement cells. Building on this initial progress, some investigators are exploring the transplantation of nerve cell precursors isolated from the adult nervous system.

The Washington University researchers took another promising extension to this approach, using undifferentiated cells called embryonic stem (ES) cells, which were derived from mouse embryos. During development, ES cells give

rise to all of the different cell types in the body, though any particular cell's determination depends on the chemical signals it receives. In 1994, David I. Gottlieb, Ph.D., a professor of neurobiology, discovered that a precisely timed treatment with retinoic acid, a chemical used by the developing nervous system, prompts cultured embryonic stem cells to become nerve cell precursors. "These precursors are very exciting cells," Gottlieb said, "because in gene expression, morphology and physiology they are indistinguishable from normal neurons."

The research team treated rats nine days after a thoracic-level spinal cord injury that affected the animals' hind legs. They transplanted about 1 million nerve cell precursors — derived from mouse embryonic stem cells — into a fluid-filled cavity that had developed at the injury site. To prevent rejection, they also gave the animals the immunosuppressant drug cyclosporine, which is used for organ transplantation in humans.



Choi: Head of neurology

Two weeks to five weeks later, the researchers looked for the transplanted cells, which they had labeled in various ways, including with genetic markers.

They also used specialized techniques to identify any axons that had sprouted from the transplanted cells.

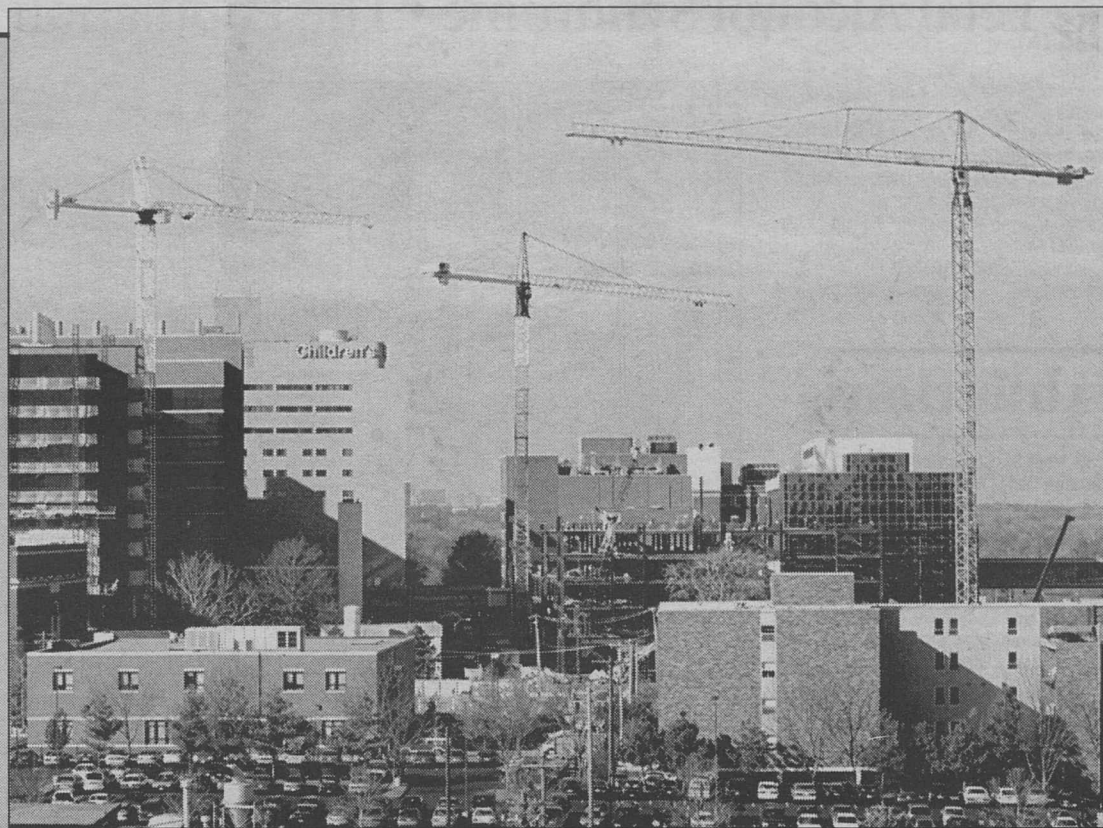
Some of the cells survived. By two weeks, transplanted cells had filled the cavity, and some had migrated up to 1 centimeter in both directions, a distance that spans several segments of a rat's spinal cord. By five weeks, the cells were not as dense, but the injured region contained mouse axons.

By following the injured cord's chemical cues, the precursors had differentiated into some of the appropriate cells for repair — neurons, which transmit information; oligodendrocytes, which wrap the axons of neurons in the fatty sheath needed for efficient conduction; and astrocytes, which maintain an optimal environment for nerve cell function. None of the cells had divided into tumors.

Using an open field locomotor test to assess voluntary locomotion, the researchers compared the performance of the transplanted rats with the performance of injured rats that had undergone sham operations. One month after the surgery, the hind limbs of the control rats could move but not in a coordinated fashion. They also were completely unable to support the weight of the body. But the hind limbs of the transplanted rats had regained some coordinated movement. They also were able partly to support the body's weight.

"Their walking certainly wasn't normal," McDonald said. "But this functional recovery was especially encouraging because the precursor cells were transplanted nine days after the spinal cord injury — a time period that has not been explored before. Moreover, only a small percentage of the transplanted cells survived. If cell survival could be enhanced, it might be possible to restore bowel and bladder control or even walking."

To approach this goal, the researchers plan to generate designer ES cells through genetic manipulation.



A flock of cranes Cranes dot the skyline of the Washington University Medical Center during the \$320-million multi-year Campus Integration Project. The project includes construction of the new Ambulatory Care Center, which houses The Alvin J. Siteman Cancer Center. The goal of the project, which also includes renovation of existing buildings and removal of older, inefficient structures, is to improve health-care services and make them more accessible.

Jacques Baenziger receives MERIT status

Jacques U. Baenziger, M.D., Ph.D., professor of pathology and of cell biology and physiology, has been honored for his scientific contributions to the field of glycobiology by receiving MERIT status for his latest grant.

The grant from the National Cancer Institute will provide more than \$2.5 million during the initial five years of support. It is the second time that Baenziger has been awarded MERIT status from the institute for this grant. The funding enables him to continue studies of a multifunctional receptor that recognizes specific sugar chains protruding like antennae from certain proteins.

Different regions of the receptor attach to different sugar chains. For example, the receptor is used by endothelial cells in the liver to bind a sugar chain that ends in a sulfate molecule. This sulfated chain is present on hormones such as luteinizing hormone (LH), which is involved in reproduction. The receptor plays an important role in reproduction by regulating LH's lifetime in the blood.

When the same receptor is expressed on macrophages, it recognizes other sugar chains that are frequently found on the surfaces of pathogens such as yeast, bacteria and viruses. This form of the receptor is thought to play an important

role in innate immunity. Recent studies suggest the receptor might have additional biological roles.

Baenziger will determine how distinct forms of the receptor that recognize different sugar chains are produced in endothelial cells and macrophages. To gain further insights into the receptor's biological significance, he also will examine the relationship of different forms of the receptor to the types of sugar-bearing proteins present in the tissues where the receptor is found.

In addition, he will generate mice that no longer express the receptor to determine its role in reproduction and innate immunity.

Kornfeld given glycobiology award at meeting

Stuart A. Kornfeld, M.D., professor of medicine and of biochemistry and molecular biophysics, recently received the Karl Meyer Award from the Society for Glycobiology at its annual meeting in San Francisco.

The society gives the award and a \$1,000 prize every other year to a distinguished investigator who studies sugar chains that are biologically important.

Kornfeld, who also co-directs the Division of Hematology, has made groundbreaking discoveries about how sugar chains direct protein movement within cells. These antennae-like attachments allow proteins to be routed to their correct destinations the way an address determines where mail is sent.

Kornfeld's early research uncovered the structures of many sugar chains and the steps involved in forming sugar chains that are linked to the amino acid asparagine. He conducted much of this work in collaboration with his wife, Rosalind Kornfeld, Ph.D., also professor of medicine and of biochemistry and molecular biophysics.

Stuart Kornfeld is best known for discovering how lysosomal enzymes are routed to lysosomes, cellular structures that serve as garbage disposals.

He identified two enzymes that address lysosomal enzymes with a specific sugar marker. And he determined how the two recognize the enzymes they need to label.

Defects in transport of the protein-degrading enzymes of lysosomes can cause rare disorders called lysosomal storage disorders. Kornfeld discovered that people with a lysosomal storage disorder called I-cell disease lack one of the two enzymes that create the sugar marker.

In addition, he identified one of the two receptors that recognize the sugar marker on lysosomal enzymes and determined the cell site where this interaction occurs. He also delineated the pathway the receptors take to get lysosomal enzymes on the appropriate molecular conveyor belt to reach lysosomes.

Kornfeld also described how lysosomal enzymes that fail to be recognized inside cells can be rerouted to lysosomes by additional receptors on the cell surface. More recently, he has identified other molecular players involved in routing lysosomal enzymes. He also is investigating whether the cell surface receptors for the enzymes play a role in cell growth and other processes after

they are contacted by certain hormones.

Kornfeld has received numerous other honors, including the Passano Award in 1991, which he shared with William S. Sly, M.D., professor and chairman of biochemistry and molecular biology at Saint Louis University School of Medicine.

An author or co-author of more than 200 scientific articles, Kornfeld is a member of several honorary societies, including the National Academy of Sciences, the Institute of Medicine, the American Academy of Arts and Sciences and the Association of American Physicians. He also has served on numerous editorial and advisory boards.

Kornfeld received a medical degree from Washington University in 1962. After spending two years as a research associate at the National Institute of Arthritis and Metabolic Diseases in Washington, D.C., he returned to the University as a faculty member in 1966. He became a professor of medicine in 1972 and of biochemistry in 1976, the same year he became co-director of the hematology division. He directed the Medical Scientist Training Program from 1991 until 1997.

University Events

Fetal Alcohol Syndrome • The Population Dilemma • Zebrafish • Lieder

"University Events" lists a portion of the activities taking place at Washington University Dec. 9-Jan. 20. For a full listing of medical rounds and conferences, see the School of Medicine's Web site at medschool.wustl.edu/events/. For an expanded Hilltop Campus calendar, go to www.wustl.edu/thisweek/thisweek.html.

Exhibitions

"Coins from St. Louis Collections." Through Dec. 12. Gallery of Art. 935-4523.

"Egyptian Mummies: Pet Menekh and Henut-Wedjebu." Through Dec. 12. Gallery of Art. 935-4523.

"Wolfgang and Ludwig — As Heard by Their Friends." Featuring first and early printed editions of music by Mozart and Beethoven. Through Jan. 7. Fifth floor, Olin Library. 935-5495.

Film

Thursday, Dec. 9

7 p.m. Filmboard Feature Series. "Return to Paradise." (Also Dec. 10 and 11, 7 and 9:30 p.m., and Dec. 12, 7 p.m.) Cost: \$3 first visit, \$2 subsequent visits. Room 100 Brown Hall. 935-5983.

Friday Dec. 10

Midnight. Filmboard Midnight Series. "Sneakers." (Also Dec. 11, same time, and Dec. 12, 9:30 p.m.) Cost: \$3 first visit, \$2 subsequent visits. Room 100 Brown Hall. 935-5983.



Lectures

Thursday, Dec. 9

Noon — 1 p.m. Genetics lecture. "A Genetic Analysis of Neurotransmission in the Nematode *C. elegans*." Erik Jorgensen, U. of Utah. Room 823 McDonnell Medical Sciences Bldg. 362-7072.

4 p.m. Cardiovascular research seminar. "Thrombin Signaling: Molecular Mechanisms and Roles in Vivo." Shaun Coughlin, prof. of medicine and of cellular and molecular pharmacology, U. of Calif. at San Francisco. Room 801 Clinical Sciences Research Bldg. 362-8901.

4 p.m. Chemistry seminar. "Vapor Discrimination by an Array of Polymer-Carbon Black Composites." Thomas Vaid, research assoc., Calif. Inst. of Technology. Room 311 McMillen Lab. 935-7316.

5 p.m. Vision Science Seminar Series. "Does Lipoxigenase Play a Role in Organelle Degradation in the Eye Lens?" Robert Duvoisin, assoc.



The art of masks Wayne Carl Huber, lecturer in the School of Architecture, photographs a Japanese sculptural mask designed by sophomore Ben Nielsen. Huber's 13 students created interpretive drawings and colorful relief masks, some as large as 6 feet tall, based on the "Masks" exhibit at the Saint Louis Art Museum.

prof. of ophthalmology, Dyson Vision Research Inst., Cornell U. Medical College, East Pavilion Aud., Barnes-Jewish Hosp. Bldg. 362-5722.

Friday, Dec. 10

9:15 a.m. Pediatric Grand Rounds. "How Much is Too Much? The Fetal Alcohol Syndrome." Rick A. Martin, assoc. prof. of pediatrics and clinical dir., div. of medical genetics. Clopton Aud., 4950 Children's Place. 454-6006.

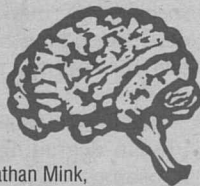
Noon. Cell biology and physiology lecture. "Synapse Assembly and Glutamate Receptor Targeting in Hippocampal Neurons." Ann Marie Craig, assoc. prof. of anatomy and neurobiology. Room 426 McDonnell Medical Sciences Bldg. 362-6950.

4 p.m. Anatomy and neurobiology seminar. "What Do We Know About White Matter Ischemia?" Mark P. Goldberg, assoc. prof. of neurology and neurological surgery and asst. prof. of anatomy and neurobiology. Room 928 McDonnell Medical Sciences Bldg. 463-3531.

4 p.m. Hematology seminar. "Platelets and the Molecular and Cellular Interactions Governing Their Adhesion: From Arterial Injury to Venular Inflammation." Thomas G. DiCicco, asst. prof. of pathology and of pediatrics. Room 8841 Clinical Sciences Research Bldg. 362-8801.

Saturday, Dec. 11

9 a.m. Neuroscience Seminar Series. "Moving to Remembered Locations in Space: The Role of Basal Ganglia and Frontal Lobe Circuits." Jonathan Mink, asst. prof. of anatomy and neurobiology



and of neurology and neurological surgery. Cori Aud. 4565 McKinley Ave. 362-7043.

Monday, Dec. 13

10 a.m. Center for Mental Health Services Research Seminar Series. "Dealing With Missing Data in Mental Health Services Research." Ed Spitznagel, prof. of mathematics and biostatistics. Room 38 Goldfarb Hall. 935-5687.

Noon. Lung biology conference. "The Mechanism of Programmed Cell Death Induced by Respiratory Syncytial Virus." Mary O'Sullivan, research assoc., pulmonary and critical care medicine div. Room 801 Clinical Sciences Research Bldg. 362-8983.

Noon. Biology seminar. "Mammalian Heterochromatin Proteins and Gene Silencing." Prim B. Singh, Roslin Inst., Edinburgh, Scotland. Room 212, McDonnell Hall. 935-5348.

Noon — 1 p.m. Molecular biology and pharmacology seminar. "Events Which Commit Neurons to Die." Eugene M. Johnson Jr., the Norman J. Stupp Prof. of Neurology and prof. of molecular biology and pharmacology. Room 3907 South Bldg. 362-2725.

Noon — 1 p.m. Neurology and neurological surgery research seminar. "Evidence for Involvement of Nitrogen Free Radicals in Demyelinating Diseases." Anne H. Cross, assoc. prof. of neurology and neurological surgery. Schwarz Aud., First Floor Maternity Bldg. 362-7379.

4 p.m. Biology seminar. "Experimental and Computational Methods for Analyzing DNA-protein Interactions." Gary D. Stormo, prof. of genetics. Room 322 Rebstock Hall. 935-6860.

Tuesday, Dec. 14

Noon — 1 p.m. Molecular Microbiology and Microbial Pathogenesis Seminar Series.

"Drug Resistance in Malaria." Pradip Rathod, assoc. prof. of biology, Catholic U. of America, Washington, D.C. Cori Aud., 4565 McKinley Ave. 362-1514.

4 p.m. Anesthesiology research seminar. "Mapping Anesthetic Sites in the Nicotinic Acetylcholine Receptor." Jonathan Cohen, Harvard Medical School. Room 928 McDonnell Medical Sciences Bldg. 362-1185.

4 p.m. Bioorganic chemistry seminar. "P450 Eicosanoids: A Novel Intracellular Signalling Pathway Regulating Renal Function and Vascular Tone and Growth." Richard Roman, Medical College of Wis. Room 3907 South Bldg. 362-3363.

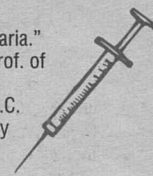
4 p.m. Chemistry seminar. "Langmuir Adsorption of Monolayer Protected Gold Clusters on Metal Electrodes Using a Quartz Crystal Microbalance." David Cliffl, U. of N.C. Room 311 McMillen Lab. 935-7316.

Wednesday, Dec. 15

8 a.m. Obstetrics and Gynecology Grand Rounds. "Six Billion and Counting — the Population Dilemma." Molina B. Dayal, chief resident in obstetrics and gynecology. Clopton Aud., 4950 Children's Place. 362-1016.

10 a.m. Thesis defense. "Protein Oxidation by Myeloperoxidase in Vitro and in Vivo." Melissa Anderson, biochemistry program. Room 521 Medical Library. 362-0261.

2 p.m. Renal research conference. "Regulation of Lymphoid Tissue Structure and Function." Dave D. Chaplin, prof. of genetics and of medicine and assoc. prof. of molecular microbiology. Room 6611



Wohl Hosp. Bldg. 362-8232.

2:30 p.m. Thesis defense. "Understanding the Expression of VCAM-1 During Murine Cardiogenesis." Michael D. Onken, molecular cell biology program. Room 1001 Clinical Sciences Research Bldg. 362-2725.

5:15 p.m. Mothers and Babies Research Center lecture. "Nuchal Translucency: Not Just a Marker for Down Syndrome." Penelope L. Noble, School of Medicine and Dentistry, Kings College, London. Room 36, third floor south, St. Louis Children's Hosp. 747-0739.

Thursday, Dec. 16

Noon — 1 p.m. Genetics lecture. "A Large Insertional Mutagenesis Screen in Zebrafish Using Retroviral Vectors." Nancy Hopkins, prof. of molecular biology, MIT. Room 823 McDonnell Medical Sciences Bldg. 362-7072.

4 p.m. Academic Women's Network and the faculty affairs office seminar. "A Report on the Status of Women Faculty in the School of Science at MIT — Before and After." Nancy Hopkins, prof. of molecular biology, MIT. Cori Aud., 4565 McKinley Ave. 362-7087.

4 p.m. Cardiovascular research seminar. "Why T Waves Change." Michael Rosen, the Gustavus A. Pfeiffer Prof. of Pharmacology and prof. of pediatrics, Columbia U. Room 801 Clinical Sciences Research Bldg. 362-8901.

4 p.m. Chemistry seminar. "Electron Transfer, Small Molecule Activation, and Ligand Functionalization at Three-coordinate Molybdenum Centers and Trinuclear Nickel Clusters." Marc Johnson, research assoc., U. of Calif. at San Diego. Room 311 McMillen Lab. 935-7316.

4 p.m. The Siteman Cancer Center's Julia Hudson Freund Memorial Lecture. "Transformation Suppression by p300 and CBP." David M. Livingston, the Emil Frei Prof. of genetics and medicine, Harvard Medical School. Eric P. Newman Education Center Aud. 454-8566.

5 p.m. Vision Science Seminar Series. "Small Heat Shock Proteins in the Eye." J. Mark Petrash, assoc. prof. of genetics and of ophthalmology and visual sciences. East Pavilion Aud., Barnes-Jewish Hosp. Bldg. 362-5722.

Friday, Dec. 17

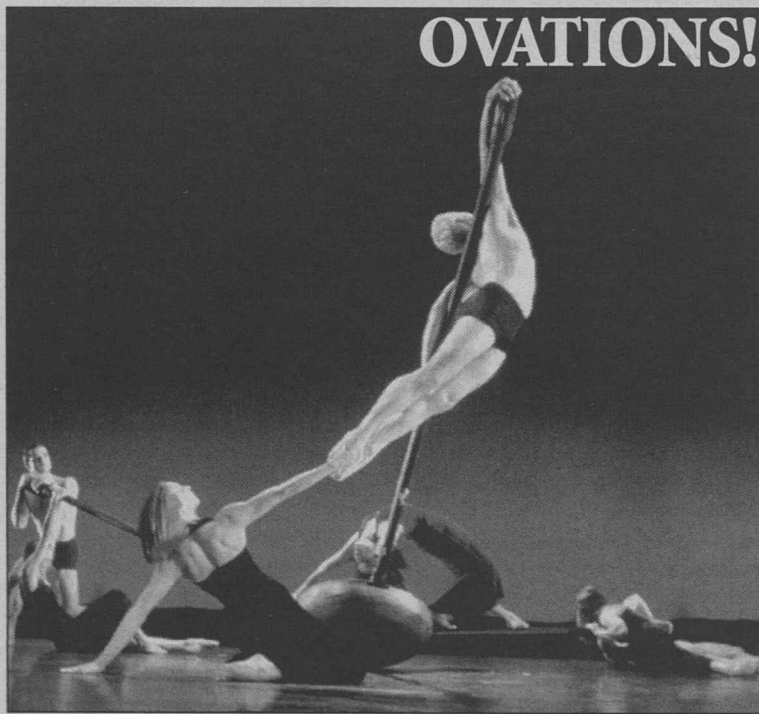
9 a.m. Thesis defense. "Radiolabeled Peptides and Pretargeting Agents for Diagnostic Imaging and Therapy of Cancer." Barry Edwards, bioorganic chemistry program. Room 521 Medical Library. 362-3363.

9:15 a.m. Pediatric Grand Rounds. "Zinc Nutrition in Child Health." Mark J. Manary, asst. prof. of pediatrics, div. of emergency medicine. Clopton Aud., 4950 Children's Place. 454-6006.

Noon. Cell biology and physiology lecture. "Glial Contributions to Excitatory Synaptic Transmission in the Hippocampus." Charles F. Zorumski, the Samuel B. Guze Prof. and chair of psychiatry and prof. of anatomy and neurobiology. Room 426 McDonnell Medical Sciences Bldg. 362-7950.



OVATIONS! Theater, music and dance on schedule



The dance troupe MOMIX combines athleticism, lighting and riveting music in its work, including "Sputnik," above.

Contemplating a bevy of newly opened presents, a hot cup of cocoa in hand, the weary student or put-upon professor might be forgiven a small internal groan at the thought of beginning a new semester. Yet there's at least one good reason to come back from Christmas break — Edison Theatre's ever-eclectic OVATIONS! Series, which will bring to campus its usual effortless complement of world-class theater, music, dance and magic.

The semester opens Jan. 21-22 when St. Louis' own nationally acclaimed Metro Theatre presents "Iceman: A New Play for the Millennium," which chronicles the modern-day exploits of a 5,000-year-old iceman discovered frozen in the Alps. Other theater events will include a visit March 18 from monologist Lisa Kron, who will

take us along for her emotional roller coaster "2.5 Minute Ride"; and a performance March 31 by renowned actors Anthony Zerbe and Roscoe Lee Browne, who pay tribute to the drama of poetry in "Behind the Broken Words."

Music lovers can look forward to an evening of cultural exchange when the singers of the Native American a cappella group Ulali drum, rattle and stomp their way through traditional and contemporary songs Feb. 26. The group will be joined by the legendary folk singer Buffy Sainte-Marie, who is known for her 1960s protest songs — performed by Janis Joplin, Elvis Presley and Barbra Streisand, among others — and for a more recent five-year stint (with son Dakota Wolfchild Starblanket) on "Sesame Street."

Once again, Edison Theatre will join forces with Dance

St. Louis to present some of the finest dance companies working today. The long-running troupe Urban Bush Women will be joined by the David Murray Octet Feb. 11-14 for "Soul Deep," an homage to the Blues, field hollers, gospel shouts and "blue light" basement parties. And from April 14 to 16 the fast-paced MOMIX will bring their surreal combination of outrageous athleticism, aesthetic lighting and riveting music.

The season concludes May 5-7 when Minneapolis' Guthrie Theatre, one of the country's most renowned touring groups, presents their largest show yet, a lush version of Shakespeare's beloved classic, "A Midsummer Night's Dream."

For more information, tickets or to request a season brochure, call the Edison Theatre Box Office at 935-6543.

MLK observance planned Jan. 17

Martin Luther King Jr.'s dream of harmony and racial equality will be revisited Jan. 17, in an event commemorating the Jan. 15, 1929, birthdate of the slain civil rights leader.

The 13th annual celebration, titled "Where Do We Go From Here?: Chaos or Community?" will take place at 7:30 p.m. in Graham Chapel. The program will feature gospel choir music and student speakers. A reception will follow in Umrath Lounge.

The program, sponsored by the Martin Luther King Commemoration Committee, is free and open to the public. For more information, call 935-7105.

4 p.m. Chemistry seminar. Michelle Markus, research assoc., National Inst. of Dental and Craniofacial Research, National Inst. of Health, Room 311 McMillen Lab. 935-7316.

Saturday, Dec. 18

9 a.m. Neuroscience Seminar Series. "The Use of Prisms to Explore CNS Participation in Visuo-Motor Performance." W. Thomas Thach Jr., prof. of anatomy and neurobiology and of neurology and neurological surgery. Cori Aud., 4565 McKinley Ave. 362-7043.

Tuesday, Dec. 21

4 p.m. Chemistry seminar. "Fluctuations and Distributions of Structure in Single Molecule Protein Folding Trajectories." David Talaga, research assoc., U. of Pa. Room 311 McMillen Lab. 935-7316.

Friday, Jan. 7

6 and 8:30 p.m. Travel Lecture Series. "Route 66: A Road to Remember." Charles Hartman. Cost: \$4.50. Graham Chapel. 935-5212.



Monday, Jan. 10

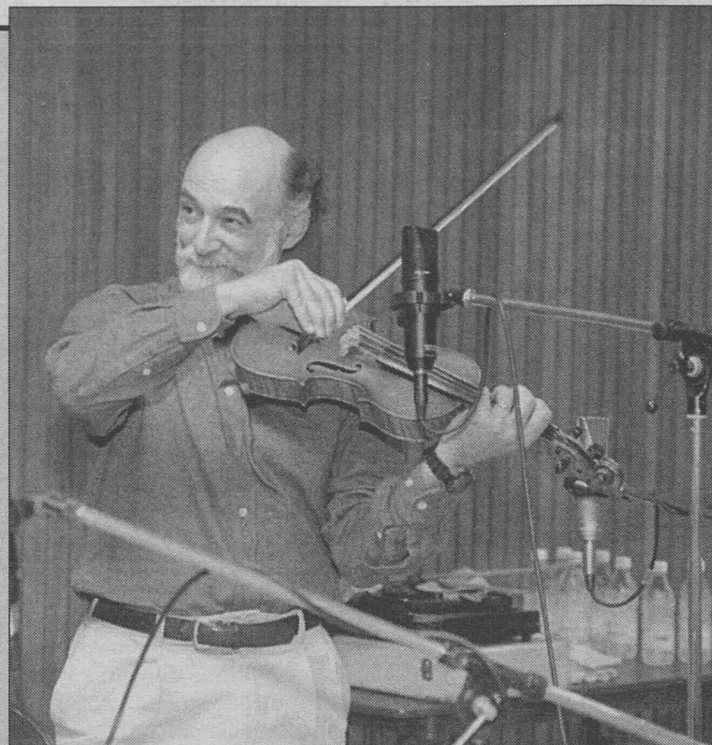
Noon. Lung biology conference. "Providing an Epithelial Point With Chemokine Genes." Michael J. Holtzman, the Selma and Herman Seldin Prof. of Medicine and prof. of cell biology and physiology, pulmonary and critical care medicine div. Room 801 Clinical Sciences Research Bldg. 362-8983.

Noon - 1 p.m. Molecular biology and pharmacology seminar. "How to Silence a Gene in *Drosophila*: A Progress Report." Sarah Elgin, prof. of biology, Room 3907 South Building. 362-2725.

4 p.m. Immunology Research Seminar Series. "How do Granzymes Cause Cell Death?" Timothy Ley, the Alan A. and Edith L. Wolff Prof. in Medicine, genetics dept., and prof. of medicine. Eric P. Newman Education Center. 362-2763.

Wednesday, Jan. 19

11 a.m. Martin Luther King Jr. Commemorative Address. "Lawyering Toward Justice: A Historical Perspective." D'Army Bailey, Tenn. judge and



MARY BURKUS

Fiddle-dee-dee William R. Caspary, Ph.D., associate professor of political science in Arts & Sciences — or good ol' "Bill" in this venue — provides the fiddlin' for a workshop he conducted, titled "Missouri Treasures: An Introduction to Old Time Music." The workshop, held Thursday, Dec. 2, in Friedman Lounge and sponsored by the Office of Residential Life, was followed by a free concert that featured four fiddle and banjo bands.

founder of Nat'l. Civil Rights Museum. Presented by the Black Law Students Assoc. Anheuser-Busch Hall. 935-4958. See story on page 2.

Thursday, Jan. 20

4 p.m. Anthropology Colloquium Series. "Patterns in Intra and Inter-cultural Variation in Illness Beliefs." Susan Weller, prof. of preventive medicine and community health, U. of Texas Medical Branch. Room 149 McMillan Hall (reception 3:30 p.m., dining hall). 935-5252.

Music

Thursday, Dec. 9

8 p.m. Music dept. lecture-recital. "The Lieder of Fanny Mendelssohn Hensel." Elaine Eckert, soprano, and Yuko Sato Nakamura, piano. Women's Bldg. Lounge. 935-4841.

Friday, Dec. 10

8 p.m. WU opera. "Verdi, Puccini, Verdi: A Winter Night of Opera." (Also Dec. 11, same time). Jolly Stewart, dir. Umrath Hall Lounge. 935-4841. See story on page 4.

Sunday, Dec. 12

3 p.m. Music dept. sing-along. George Frideric Handel's "Messiah." John Stewart, dir. Graham Chapel. 935-4841. See story on page 4.

7 p.m. Lute recital. Music of da Milano, Valderrábano and Dowland. Christine Johnson, soprano, and Jeffrey Noonon

and Jason Stumpf, lute. Graham Chapel. 935-4841.

And more...

Thursday, Dec. 9

8 p.m. Creative writing program reading. Graduate students Claire Hero, Jeff McRae, Michelle Vollmar and John Brandon will read from their work. Hurst Lounge, Room 201 Duncker Hall. 935-7130.

Friday, Dec. 10

7:30 a.m. Continuing Medical Education seminar. "ASTRO Presentations Review." Cost: \$45. Eric P. Newman Education Center. To register, call 362-6891.

8 a.m. Continuing Medical Education seminar. "Contemporary Women's Health Issues." Cost: \$125, physicians; \$110, allied health professionals. Eric P. Newman Education Center. To register, call 362-6891.

Saturday, Dec. 11

8 a.m. Continuing Medical Education seminar. "Contemporary Management of Congestive Heart Failure." Cost: \$70. Eric P. Newman Education Center. To register, call 362-6891.

Monday, Jan. 17

7:30 p.m. Martin Luther King commemoration event. "Where Do We Go From Here?: Chaos or Community?" Visions Gospel Choir and student speakers. Graham Chapel (reception following, Umrath Hall Lounge). 935-7105.

Y2K

All systems are go for century rollover
— from page 1

particular medical campus computer systems between Dec. 30 and Jan. 3 should consult their departments' Y2K coordinators.

"Conventional wisdom suggests that we all should turn off our desktop computers and workstations prior to midnight Dec. 31 and then leave them off until sometime after Jan. 1, 2000," Wrighton said. "This is a precaution being recommended for all homes, businesses and institutions, and we urge that — where possible — this be done throughout the University."

Anyone experiencing serious problems involving computers should contact special telephone numbers established for reporting and resolving such problems. For the Hilltop Campus, this number is 935-5351. People at the Medical Campus should print out, before Dec. 30, a copy of the listing of help desks for specific departments, divisions, or units, which appears at: <http://y2k.wustl.edu/index.html>.

Utilities assured

The University does not expect any suspension of electrical power, water, heat, telephone service or off-campus computer connectivity. Local utilities and public services have assured the University that they are fully Y2K-ready, have contingency plans in place and will have additional personnel on duty.

"We will not be without heat or water. In the unlikely event that there is a problem, we have the ability to operate the boilers and heating, ventilation and air conditioning systems manually," said Ralph H. Thaman Jr., associate vice chancellor of facilities, planning and management for the Hilltop Campus. "We will have additional manpower in maintenance and operations during the weekend. We also have a number of backup generators available."

The medical school has a backup supply of fuel oil and an 18-day supply of coal on hand as a precaution against any disruption in the natural gas supply.

Facilities personnel also have evaluated each building's elevators, alarm systems and swipe-card security for Y2K readiness.

"We have looked at both internal and external systems and have tested or updated anything that was date-sensitive," said James T. Stueber, physical plant director at the medical school. "All date-sensitive building systems also will be re-examined after midnight Dec. 31."

For the Hilltop campus, Thaman said: "We have upgraded the electronic door access main system to be Y2K-compliant, and the elevators do not have date-sensitive information. Our vendor for the fire alarm system has assured us it is Y2K-compliant, and the sprinkler system will activate during a fire whether the alarm system sounds or not."

Phone services

Southwestern Bell, which provides phone service for both campuses, has assured the University of its compliance and will have increased staffing at network support centers and repair bureaus. Southwestern Bell also will have additional backup generators and extra fuel for generators in the event of an interruption of commercial power.

The Hilltop's phone and voice mail systems have been running on Y2K-compliant software for at least a year.

"Internal network systems and software have been put through a

rigorous process to ensure their readiness for the date change," said Ann Hogan, telephone services manager. "Telephone services will be staffed, and there will be a series of tests performed after the date change. In the event of a failure, there will be cellular phones, a special telephone not on the University system, and communication with University Police."

In the event of a service glitch at the medical school, key phone numbers such as the main ones for Barnes-Jewish Hospital will re-route to other phone lines, but remain accessible via those numbers.

Avoiding calls

Teresa Hoelscher, Telecommunications Facilities Corp. project manager, noted that people should avoid making calls immediately after midnight Dec. 31 to reduce the likelihood of overloading phone systems. A very large volume of phone calls are expected, and as a result some customers might experience a fast busy signal, slow dial tone, or a "try again message" after dialing. Customers who hear no dial tone should wait on the line for the tone to begin rather than calling again.

In the unlikely event of a campus telephone system failure on New Year's Eve, the University Police on the Hilltop Campus will turn on a cellular phone. The number is 541-2298.

"We have an emergency protocol in place," said Paul B. Anderson, communications/technical services manager for University Police. "And if there are special concerns, department representatives should call and give us contact persons for their areas of responsibility in the event we need to call those departments. The St. Louis County Office of Emergency Management will be staffed that evening to act in the event of a widespread problem."

In an emergency, medical campus employees can call the Protective Services' dispatcher desk at 362-4357. If that number is disabled, Protective Services can be reached by cell phone at 302-7773 or 412-8380. John Ursch, Protective Services director, said extra officers will be available for New Year's Day.

Contact points

If you have any questions or concerns regarding the University's Y2K readiness prior to New Year's Eve, please access the Y2K readiness disclosure statement posted at <http://www.y2k.wustl.edu/c&c/y2k.nsf>, or contact one of the following computing or facilities numbers:

• **School of Medicine Computing:** Contact your relevant help desk as listed at: <http://y2k.wustl.edu/index.html>

• **Hilltop Campus Computing:** Bill Smith, 935-5320 (e-mail: Bill_Smith@aismail.wustl.edu), or Wil Fritz, 935-5320 (e-mail: Wil_Fritz@aismail.wustl.edu)

• **School of Medicine Facilities:** James T. Stueber, 362-3260 (e-mail: stueberj@msnotes.wustl.edu)

• **Hilltop Campus Facilities:** Customer Service, 935-5544 (e-mail: pleyerla@fpm.wustl.edu).

By midday Jan. 1, 2000, an update on how the University is entering the New Year will be accessible from the main Web page, www.wustl.edu. At the same time, a general status report also will be available by calling 935-0014.

Sports Section

Women hoopsters win at Wheaton

Head coach Nancy Fahey picked up career win number 300, and the women's basketball team stretched its winning streak to 44 games when it won the Wheaton (Ill.) College Invitational last weekend in Wheaton. The Bears knocked off Pacific Lutheran University, 70-59, in the first round Friday, Dec. 3, before beating host Wheaton 68-50 in the championship game Saturday.

Senior Alia Fischer earned tournament MVP honors.

Men's team wins Lopata Classic title

Freshman guard Dustin Tylka scored a career-high 22 points and freshman forward Chris Jeffries added 19 points and 11 rebounds Saturday, Dec. 4,

as the men's basketball team captured the 1999 Lopata Classic championship with an 83-63 victory over Emory & Henry College at the WU Field House. Junior forward Chris Alexander added 15 points and was named the tournament's Most Valuable Player. The Bears defeated Colorado College 82-59 Friday, Dec. 3, in advancing to the title game. The Bears have won four straight games to improve to 4-3. The Lopata championship was the University's 10th in 16 years and its first since 1997.

Women swimmers first, men third

The women's swimming team picked up its first invitational title of the season and the men finished third at the DePauw University Invitational last weekend in Greencastle, Ind. The women finished with 608 points, bettering second-place DePauw's 551.

Sophomore Lindsay Wilkinson led the way for the Bears, picking up two individual wins and leading all four relays to victories. She set meet records and made NCAA qualifying cuts in winning the 50 and 100 freestyle.

The men finished with 625 points, trailing Indiana's Wabash College (830) and host DePauw (756.5). Matt Grieves was the top swimmer for the Bears, winning the 200 individual medley while finishing second in the 400 IM and third in the 200 breast. He also helped the 200 free relay to a second place finish. Kyle Capen finished fourth in the 1,650 free and fifth in the 400 IM, while Alex Helfers and Matt Johnson finished sixth and seventh, respectively, in the 50 free. Paul Gregor and Brian Hindman were fourth and fifth in the 200 free and Ray Robison, Jon Vigdorchik and Johnson finished six, seven, eight in the 100 fly.



Midge Bailey, a secretary in Alumni and Development Programs, wraps gifts for a needy family at the department's 1998 holiday party. Proceeds from this year's fund-raising efforts will go to the Saint Louis Crisis Nursery.

Imaging

New resource to provide state-of-the-art facilities
— from page 1

The two are collaborators in several research projects, along with numerous faculty in the medical school and in Arts & Sciences. Both hold joint appointments, Ackerman in internal medicine and radiology, Welch in chemistry.

WUSAIR research will examine small laboratory animals such as transgenic mice — animals whose genomes have been altered — to assist researchers in the study of various aspects of normal and abnormal physiology, including cancers and other diseases. For instance, one project, already begun in collaboration with Jeffrey D. Milbrandt, Ph.D., professor of pathology, and Jeffrey I. Gordon, Ph.D., professor and chair of the molecular biology and pharmacology department, will use PET and MRI imaging to monitor the development of metastatic cancer in transgenic mice predisposed to develop prostate cancer. Images taken repetitively can show the progression of the disease and the progress of the therapy.

"Applying PET and MRI to the study of cancer in transgenic animals is really an area whose time has come," Ackerman said. "The transgenic mouse, for instance, has become the laboratory model of choice for an enormous range of studies, and with MRI we will be able to evaluate the consequences of gene manipulation in a non-destructive, non-invasive way."

Welch added: "PET and MRI can quantify different parameters in tumors, and one of the goals of the grant is to enable us to

tumors grown in animals at the same time she is performing targeted therapy studies. Using PET, she will quantify the uptake of the radiolabeled tracer in the tumor, and with MRI she will quantify the shrinkage in the tumor with therapy.

Similarly, P. Duffy Cutler, Ph.D., assistant professor of radiology, will use PET for radiation dosimetry — dose measurement — of copper-64 labeled radiotherapy agents.

While cancer research is the primary focus of the new resource, staff members will be developing novel imaging strategies that also are expected to advance small animal model research in general. These efforts are being led by physical scientists Sheng-Kwei "Victor" Song, Ph.D., senior scientist in chemistry; Mark S. Conradi, Ph.D., professor of physics; and G. Larry Bretthorst, Ph.D., research associate in chemistry, all in Arts & Sciences; and Dimitriy A. Yablonskiy, Ph.D., assistant professor of radiology. Resource bioinformatics research — the application of computation skills to biological data — will focus on image classification and the fusing of PET and MRI data.

"Major strengths of the resource are our infrastructure and diversity of collaborators," said Ackerman. "These are things that make Washington University so strong."

"Applying PET and MRI to the study of cancer in transgenic animals is really an area whose time has come."

JOSEPH J.H. ACKERMAN

co-register images obtained with these different modalities."

Welch said there are numerous currently funded projects at the University where small animal imaging uses both PET and MRI technologies. For instance, Carolyn J. Anderson, Ph.D., assistant professor of molecular biology and pharmacology and radiology, is working to develop radiolabeled analogs of the peptide somatostatin for both diagnosis and therapy. Using WUSAIR's soon-to-be-delivered microPET scanner, she will carry out measurements on

Holiday giving A&D staff raise money for needy

The spirit of giving is, fittingly, alive and well among the staff of Alumni and Development Programs, who have worked throughout the year to raise money for a holiday donation to the Saint Louis Crisis Nursery. The crisis nursery provides a safe haven for children as well as child abuse prevention services.

Through bake sales, a flea market and a picnic lunch, the staff have raised nearly \$800. A silent auction ending Wednesday, Dec. 8, will provide the bulk of the earnings, which staff members hope will exceed last year's record collection of almost \$2,000. Additionally, employees contribute large quantities of canned goods, which they will deliver to Room 300 in Brookings Hall at the time of their holiday party Friday, Dec. 10.

Matthew Collins, director of the crisis nursery and a 1998 alumnus of the George Warren Brown School of Social Work,

will be on hand at the party to accept the contribution. The canned goods will go to Operation Food Search, a St. Louis organization that helps supply food pantries in the area.

The auction is acquiring a enviable reputation as a source of enticing items, ranging from elegant home-baked pastries to three hours of yardwork to one-of-a-kind pottery. Gutter cleaning, house plants, tickets to sports events, pet sitting and a Mississippi River cruise are also among the offerings.

Last year's proceeds went to a household identified in the St. Louis Post-Dispatch's 100 Neediest Cases program. The funds purchased clothing, gift certificates for food and a cash gift. The staff also used a portion of the earnings to help a former employee whose family was in crisis.

This is the sixth year of the holiday charitable effort, which involves employees on the Medical, Hilltop and West campuses.

Trustees elect Brown, get good admissions news

The University's Board of Trustees named Melvin F. Brown as a Shepley Trustee at its meeting Friday, Dec. 3, according to Chancellor Mark S. Wrighton. Brown is the retired vice chairman of Deutsche Financial Services.

Henry L. Roediger III, the James S. McDonnell Distinguished University Professor and chair of the Department of Psychology, presented a report on recent developments in the department. Roediger is internationally recognized for his research on memory.

Earle H. Harbison Jr. presented a detailed report on the activities of the Arts & Sciences National Council, which he chairs. Harbison focused on the continuing progress of the undergraduate and graduate programs, as well as the continuing improvement of facilities and laboratories.

In his report to the Trustees, Wrighton expressed appreciation to Jerome F. Brasch, who is completing his term as a Shepley Trustee. Brasch is president of the Brasch Manufacturing Co. Inc. of St. Louis and a graduate of the University.

Wrighton noted that applications for fall 2000 are running well ahead of last year, and that several special University events are being held to recognize outstanding applicants from around the nation and the world.

The Campaign for Washington University has now raised \$800 million, including a gift of \$35 million from Alvin and Ruth Siteman for the new Siteman Cancer Center, to be operated by the School of Medicine and Barnes-Jewish Hospital.

Wrighton reported that several major building projects are under

way, including the Arts & Sciences Laboratory Science Building, out for bids; the Charles F. Knight Executive Education Center, on which construction proceeds on schedule; the Uncas A. Whitaker Hall for Biomedical Engineering, for which schematic designs are now being developed; the Visual Arts and Design Center, on which architectural designs are proceeding; and the University Center, for which planning is moving ahead.

Melvin F. Brown retired in July 1998 as vice chairman of Deutsche Financial Services. He was a 33-year veteran of the company and was president and CEO of ITT Commercial Finance before Deutsche Bank acquired that company in 1995.

Brown earned two degrees at the University — a bachelor's degree in 1957 and a law degree in 1961. He has been a longtime supporter of the University, serving on the Law National Council. He also currently serves on the Scholars and Law Committee, Law Capital Resources Committee, Law Campaign Cabinet and the Law Eliot Society Membership Committee. He is a life member of the Eliot Society in the law school.

His other business affiliations include serving as a director of Falcon Products, as well as Shelby Williams Industries Inc. He is a director of the St. Louis Symphony Society and the Gateway Chapter of the Leukemia Society of America and a trustee of the Whitaker Charitable Foundation, Maryville University and the Missouri Historical Society.

Brown's two sons, Benjamin and Mark, are both Washington University graduates. Benjamin is a 1992 graduate in social work, and Mark received a law degree in 1995.

Employment

Use the World Wide Web to obtain complete job descriptions. Go to cf6000.wustl.edu/hr/home (Hilltop) or medicine.wustl.edu/wumshr (Medical).

Hilltop Campus

Information regarding positions may be obtained in the Office of Human Resources, Room 130, West Campus. If you are not a WU staff member, call 935-9836. Staff members call 935-5906.

Reading Specialist (part time) 980130
Medical Science Writer 980189
Senior Project Leader 990029
Assistant Dean and Academic Coordinator 990210
Manager 990233
Gift Accountant 990244
Director/Executive Faculty Liaison 990280
Computer Support Specialist 990283
Administrative Secretary 990320

Senior Project Leader 990340
Administrative Assistant 990362
Engineering Librarian 990364
Research Technician 000003
Counselor 000014
Admissions Counselor 000027
Systems Programmer I 000034
Support Services Assistant 000040
Regional Director of Development 000057
Public Service Coordinator 000077
Non-degree Program Administrator 000090
Administrative Secretary (part time) 000091
Assistant Dean and Academic Coordinator 000093

LAN Engineer 000094
Administrative Secretary 000096
Library Assistant 000099
Library Assistant 000100
Insurance Assistant (part time) 000101
Secretary/Technical Typist (part time) 000102
Assistant Director of EMBA Admissions 000103
Audio-visual Coordinator/Event Support (part time) 000105
Rare Books Curator 000107
Secretary 000109
Executive Assistant 000111
Head of Access 000116
Advertising Manager 000117
Assistant University Webmaster 000118

Student Records Coordinator 000119
Library Services Assistant, Art and Architecture 000120
Assistant Records Manager 000122
Legal Secretary (part time) 000123
Sr. Counselor, Student Financial Services 000124
Administrative Assistant (part time) 000125
Associate Director of Development 000128
Payroll Services Representative 000129
Payroll Services Representative 000130
EMBA Student Services and Programs Coordinator (part time) 000131
Research Accounting Analyst 000133
Accounts Payable Representative 000134

Department Secretary 000139
Library Technical Assistant 000140
Student Records Office Assistant (part time) 000142
Interlibrary Loan Assistant 000143
Supervisor, Help Desk and E-mail Administration 000144
Human Resources Assistant 000145
Network Systems Engineering Manager 000147
Assistant Manager, Sponsored Projects Accounting 000148
Phone Operator 000152

Medical Campus

This is a partial list of positions at the School of Medicine. Employees: Contact

the medical school's Office of Human Resources at 362-7196. External candidates: Submit resumes to the Office of Human Resources, 4480 Clayton Ave., Campus Box 8002, St. Louis, MO 63110, or call 362-7196.
Data Assistant 000643
Research Technician II 000686
Insurance Billing and Collections Assistant II 000743
Secretary III (West County) 000755
Secretary I 000801
Executive Secretary 000803
Clinical Research Coordinator 000837
Polysomnographic Trainee 000846
Conference Coordinator 000856

Campus Watch

The following incidents were reported to University Police from Nov. 29 – Dec. 5. Readers with information that could assist in investigating these incidents are urged to call 935-5555. This release is provided as a public service to promote safety awareness and is available on the University Police Web site at rescomp.wustl.edu/~wupd.

Dec. 3

2:32 a.m. — A student was apprehended taking a chair from Bryan Hall, intending to use it in her residence. The chair was returned to Bryan Hall.

Dec. 4

2:34 a.m. — A group of students leaving a party in

Hurd Residence Hall was observed breaking down two 10-foot light poles.

University Police also responded to four additional reports of theft, three auto accidents, a small fire and one report each of drug violation, peace disturbance, attempted break-in and mail tampering.

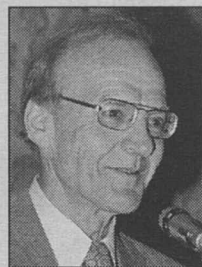
Notables

Sterling H. Schoen, 81, dies

Sterling H. Schoen, Ph.D., professor emeritus of management for the John M. Olin School of Business, died Saturday, Nov. 20, 1999, at Missouri Baptist Medical Center after suffering a heart attack. He was 81.

From 1950 until he retired in 1988, Schoen was a professor of management for the Graduate School of Business, named the Olin School in 1988. He taught courses in organizational behavior and labor relations, among others.

In the early 1960s Schoen realized that business schools could



Schoen: Founder of consortium

take a more active and constructive role in promoting equal opportunity employment, and, toward that goal, he founded the Consortium for Graduate Study in Management in 1966. It offers full merit-based scholarships to minority students in MBA programs. Begun with three universities, Washington University included, the consortium has grown to include nine other major universities.

Funds for scholarships were raised by Schoen and many consortium board members from private corporations, foundations and resources of member schools. He directed the consortium until 1980, when he returned to full-

time teaching. Since the organization's founding, it has brought more than 3,000 minority men and women into the ranks of American business management.

Schoen was the co-author of several textbooks, and he served as a management consultant to companies such as Mallinckrodt and Monsanto Co., as well as the U.S. Civil Service Commission. He was named Man of the Year by the Association for the Integration of Management in 1976; he was recognized for Distinguished Service and Leadership by the consortium in 1991 and chosen as 1998 Teacher of the Year by the University's MBA students.

Schoen, who lived in St. Louis, was born in Daggett, Mich., and reared in Des Peres, Wis. He earned a bachelor's degree in economics (magna cum laude) from Lawrence College (now University) in Appleton, Wis.; a master's degree in economics from the University of Wisconsin in Madison; and both a master's of business administration degree in management (with distinction) and a doctoral degree in management from the University of Michigan in Ann Arbor.

He was a member of Phi Beta Kappa and was active in many professional, honorary and social organizations.

He is survived by his wife of 45 years, Patricia Schoen; two sons, Chris Schoen of Canton, Ohio, and Richard Schoen of Evanston, Ill.; a daughter, Jennifer Jeffrey of Clayton; a sister, Norma Maxfield of Madison, Wis; and three grandchildren.



Airborne Unseasonably warm weather before this week's cold snap brought out Scott Messenger, senior research scientist in physics in Arts & Sciences, and his dexterous dog, 7-year-old Max.

Genome

Scientists sequence first human chromosome

— from page 1

additional ones likely. If representative of other chromosomes, this count suggests that the total number of genes on all human chromosomes will not be substantially more or less than the previously estimated number of

80,000.

• The genes range in size from 1,000 to 583,000 bases of DNA with a mean size of 190,000 bases.

• Several gene families appear to have arisen by tandem duplication. There are families of genes that are interspersed among other genes and distributed over large chromosomal regions.

• There is unexpected long-range complexity of the chromosome with an elaborate array of repeat sequences near its centromere. The existence of so much

repetitive DNA information could help explain how this chromosome rearranges or reshuffles its DNA, leading to human disorders such as DiGeorge syndrome, which includes a form of mental retardation, and how chromosome structure changes over time.

The sequencing of the DNA of chromosome 22 was conducted as part of the international Human Genome Project, which involves scientists in the United States, England, Japan, France, Germany and China.

School of Medicine recognizes employees for years of service

The School of Medicine recognizes the following staff members for their years of dedication. (The list of 10-year employees will appear in the next issue.)

35 years of service

Joann K. Labruyer psychiatry
Suzanne R. Winkler biochemistry and molecular biophysics

30 years of service

Richard A. Anderson facilities management
Sarah Delaney Olin Residence Hall
Kathleen P. Fulwider orthopaedic surgery

Barbara J. Halbrook medical school library
Simon Igielnik medical school library

Frank R. Reed internal medicine
Barbara A. Wehner otolaryngology
Thelma N. Williams ophthalmology and visual sciences

25 years of service

Madonna C. Allhoff internal medicine
Mary C. Beranek pathology
Joan L. Collins neurology
Stanley E. Fields facilities management

Sherilyn Hall comparative medicine

Robert E. Hamilton Jr. medical school library
James M. Hanson WU Shared Building and Collection Services (WUSBCS)

John J. Marcallini facilities management
Thomas H. Murry radiology
Patricia A. Nacci neurology
Geraldine M. Neumann anesthesiology
Leland A. Paule facilities management

Santiago B. Plurad pathology
Peggy J. Romero internal medicine

William T. Roswit internal medicine
A. Catherine Schmitt WUSBCS
Susan J. Schreit medical school management services

Carmalee S. Sherman psychiatry
Andrea M. Sykes radiology
Rosie T. Vanderson internal medicine

Glenn Virgil facilities management

Maxine Whiteside internal medicine
Glenda K. Wiman special programs
Faye H. Zvibleman obstetrics and gynecology

20 years of service

Paul S. Altmiller medical school finance office
Robert W. Barczewski internal medicine
Darrell W. Butler internal medicine
Christine M. Carlisle psychiatry
Jon J. Christensen neurological surgery

Karen S. Coleman radiology
Rose Marie Creaghan internal medicine
Susan L. Danker anatomy and neurobiology

Robert L. Darian facilities management
Douglas G. Fishel otolaryngology
Betty G. Fisher adult clinical research center

Karen S. Flavin internal medicine
Angela Fox comparative medicine

Pamela Y. Givens WUSBCS
Ann Hattori psychiatry
Roxana J. Haynes radiology
Karen R. Heggins ophthalmology and visual sciences

Byron K. Henderson pathology
Carol A. Hess neurology
Kay E. Hill obstetrics and gynecology

Elizabeth A. Kelly medical school library
Judy L. Koepke psychiatry
Frances L. Locascio pediatrics

James W. Lonergan internal medicine
Catharine M. Martinez neurology
Denise McClendon Faculty Practice Plan
Gwendolyn Moore internal medicine
Dale F. Osborne internal medicine
Patricia A. Osborne molecular biology and pharmacology

Willie C. Pinnix facilities management

Michael Ragouzis radiology
Stephen S. Rodewald radiology
Arthur W. Schaffer psychiatry
Joseph L. Schnurbusch radiology
Lois B. Smith radiology
Darrell T. Thomas comparative medicine
Charles F. Vasterling radiology
Douglas Walker facilities management
Jeanne M. Walsh obstetrics and gynecology

Theresa Y. Worley pediatrics
Cheryl L. Zmaila radiology
Don J. Zygmund molecular microbiology

15 years of service

Sam W. Adams radiation safety
Dianne M. Aleto obstetrics and gynecology

Christine R. Baldus orthopaedic surgery
Mary T. Belosi obstetrics and gynecology

Ann M. Benz psychiatry
James Betts facilities management
Susan M. Binzer otolaryngology
Anna M. Blanchard biochemistry and molecular biophysics

Cynthia S. Bornhop internal medicine
Rosemarie Brannan internal medicine
Judith C. Bronakowski radiology
Cecil J. Buchanan internal medicine
Alice G. Butler anatomy and neurobiology

Sherry L. Cannon pathology
Howell F. Clay radiation safety
Yvonne D. Davis internal medicine
Mary M. Dodd radiology
Deborah A. Dunn ophthalmology and visual sciences

Danny E. Evans facilities management
Tamara L. Evans internal medicine
Susan L. Franklin anesthesiology
Anise M. Gilliam medical school library
Sharon L. Gordon pediatrics

Kelly A. Hall internal medicine
Mary K. Heil internal medicine
Jo Anne Humphries internal medicine
Clinton Jackson facilities management
John H. Jackson facilities management
Charles S. Johnson facilities management
Linda R. Karsch internal medicine
Sharon L. Klein internal medicine
Victor V. Kunz Jr. radiology
Lorraine S. Larose cell biology and physiology

Karen L. Lask-McDonagh surgery
Susan H. Levin neurology
Patricia L. Loeffel surgery
Dora J. Loehr pathology
Nelly T. Mark psychiatry
Barry L. Marmer internal medicine
Connie A. Marshall pathology
Patricia A. McCosky radiology
Jacqueline L. Mudd internal medicine
Janet P. Muraski facilities management
Paula J. Nations pediatrics
Jo Ann Nowotny medical school curriculum
Joseph M. O'Malley radiology
Jodi Pagano internal medicine
Joyce P. Payne neurological surgery
Karen H. Perks pathology
Elaine Pirkey radiology
Lenora B. Randolph comparative medicine
Carol L. Recklein Adult Clinical Research Center

Rebecca I. Riney biology and biomedical sciences

Margaret E. Rujawitz obstetrics and gynecology
Kathy M. Ryan medical school curriculum
Jean A. Schoenborn obstetrics and gynecology
Lawrence A. Schrieffer genetics
Dawn G. Schuessler surgery
Shirley M. Scott facilities management
Joseph R. Sprenke radiology
Cara Thomas internal medicine
Terry S. Tomlinson facilities management
Barbara P. Turner comparative medicine
Smita C. Vora ophthalmology and visual sciences

Linda M. Werner facilities management
Susan L. Wightman psychiatry
Prapapun T. Wilson radiology
Kevin B. Woodruff surgery
Ava L. Ysaguirre internal medicine
Edward Zaltsman radiology

Washington People



Jill Stratton's above-and-beyond devotion to students brings her to after-hours resident adviser (RA) training meetings every Monday from 7 to 9 p.m. Here, Stratton (middle) discusses ideas with RAs (from left) Kristin Donour, Carrie Hoff and Ezra Groskin.

Meet the South 40's 'deputy mayor'

Jill Stratton lives and works at go-go-go pace, helping oversee 'small town'

BY DAVID MOESSNER

Jill Stratton goes through job descriptions faster than the University is going through limestone.

After her fourth trip to the campus stationery store in six years, Stratton's business card now reads "associate director of residential life." But already she has a more descriptive title in mind: deputy mayor.

"The way I look at it, the South 40 is like a small town," she said in a disarming twang that reveals her own small-town Kentucky roots. "Justin Carroll is the mayor. I'm the deputy mayor! If you think about it, we deal with all the things that small towns do."

A town of 2,913 — with the vast majority of the residents between the ages of 18 and 20. A town where vibrant energy bubbles and occasionally boils over. A town where the proximity is tight and the intimacy is tighter. A town in dynamic transformation, both physically and philosophically.

Keeping it all in check with a delicate touch are "Mayor" Carroll — more formally known as assistant vice chancellor and dean of students — and Stratton, who personally and personally oversees a network of 11 residential college directors (RCDs), chiefly trained staff professionals with master's degrees who live on the South 40, and 104 undergraduate resident advisers.

Making it work

"I think Jill and Justin must have the toughest jobs at this University," said Philip Freeman, Ph.D., assistant professor of classics in Arts & Sciences and a newly and happily ensconced South 40 resident, part of the faculty family program. "The fact that they are able to maintain their sanity and sense of humor just amazes me. Three thousand people over here, all with different agendas and different goals — and they make it work."

The job comes with a pager that's on 24-7, as the kids say. A fire alarm at 2 a.m.? Buzzzzzz. A flood in one of the kitchenettes? Buzzzzzz. An off-campus car accident? Buzzzzzz. An eating disorder concern? Buzzzzzz. It's a job where the highs are towering and the lows can be cavernous, sometimes in the same half-hour.

"It's not like I work in a factory with objects," Stratton said. "I work with human lives, and that's very fragile. Sometimes I lie awake in bed, knowing that there are

2,000 students who are still full steam ahead."

Committed. Passionate. Unique in her style. Those are the adjectives that roll easily from Marguerite McClinton, a rookie RCD this fall, to describe Stratton. "Jill's always looking for new and innovative ways to approach a situation," McClinton said, "yet she respects tradition. She's hands-off, yet she checks in. She gives suggestions, but really wants your input. She sets the example of how a manager should be."

Carroll concurs. "I have so much confidence in Jill," he said. "She has a wisdom that extends well beyond her years. She's so enthusiastic, so high-energy, such a motivator to students and staff. Instead of grumbling about a problem, Jill's always looking for solutions. If you have a tendency to start on the negative, you won't last long with her!"

"She's so wound-up, you wonder when the battery is going to run down," Carroll continued. "But she finds a way to recharge herself when no one notices."

To gas up for her position and her personality, both of which she describes as "go-go-go," Stratton finds time for reflection by writing in a journal. It's a stress-reliever she's used since she was 14. She even has conducted workshops on the subject at Library Ltd., the Clayton bookstore.

Asked for an example of the trenchant content in her journals, Stratton thoughtfully deadpans: "Dear Diary: Today I shaved my legs ..." before bursting into a staccato laugh that comes easily and often. "You can put anything you want in a journal. What I try to do is reflect on the day, how I did what, who I interacted with. I'm an extrovert, but I do have this piece of me that is very introspective and that likes to think about things. Journaling is my release and my way to unwind."

Concert promoter

And words are now accompanied by music. In March of 1996, Stratton's benign Internet inquiry about the location of a folk music concert led to this quick flurry of e-mail with the artist's agent: "Where's she playing?" "We don't have a place yet — any ideas?" "Well, I work at a university and we have a place called the Gargoyle..." A week later, Stratton officially was a concert promoter.

This fall, Stratton produced the six-event Acoustic City Concert

Series, which featured national, folk-oriented singer-songwriters. Depending on the artist, the concerts were held either in the Gargoyle or Ike's Place. While admission is charged, Stratton waves in University faculty, staff and students for free.

"It's another release for me," said Stratton, whose own musical prowess was limited to French horn in the high school band.

"You know, people don't typically leave Ted Drewes in a bad mood. And rarely do people come to a concert and have major psychological issues. Typically they're in a good mood. I feel it's a way I can contribute something positive and fun for the University community."

The series and Stratton have a major booster in Clint Harding, a host on KDHX-FM radio. "It's gratifying to know that there is someone like Jill in our community who is willing and able to bring world-class artists to St. Louis," he said. "In other parts of the country, where names like James Keelaghan, Cosy Sheridan, Vance Gilbert, The Nields and Carrie Newcomer sell out clubs just by word of mouth, the idea of seeing these artists for little or no admission price is unthinkable."

"It goes without saying," Harding added, "that whatever show Beatle Bob is attending on a given night is 'where it's at' musically. And he has been spotted at numerous shows that Jill's produced."

Ah, Beatle Bob, the mop-topped, polyester-clad St. Louis icon, a legend who has been the grand marshal for the Monterey Pop Festival and thanked in The Byrd's liner notes. There he was last week at a high-spirited 30th birthday party that Stratton threw

for herself in "typical Jill" style at the International Bowling Hall of Fame, amidst an eclectic mix of 80 friends and family.

"It was hysterical," Stratton said. "We had this locomotion train going down a spiral staircase, and Beatle Bob led the way. I was behind him and my dad was behind me. 'Beatle Bob, meet Colonel Stratton.'"

Never complacent

The "Colonel" is Andy Stratton, Jill's dad and role model. As a Vietnam soldier-turned successful insurance salesman-turned lawyer-turned soldier again-turned lawyer again-turned bank vice president, Stratton's father has taught his eldest daughter never to be complacent. It's a lesson she's kept in mind as she's soared from challenge to challenge the past six-plus years at the University, helping spearhead the South 40's transformation to a residential college model that has turned houses into homes and greatly enhanced students' living/learning opportunities.

While her responsibilities at each position varied greatly, there has been a common denominator. "Jill is an incredible advocate for students," said Karen Levin Coburn, assistant vice chancellor, who sits on numerous student-oriented committees with



Journal writing has served as Stratton's stress relief for the past 16 years.

"It's not like I work in a factory with objects. I work with human lives, and that's very fragile. Sometimes I lie awake in bed, knowing that there are 2,000 students who are still full steam ahead."

JILL STRATTON



Stratton often gives student bands a chance to open for the nationally renowned folk artists she brings to campus. Junior Rob Leveridge (right) of The Doozies awaits his turn in the spotlight.