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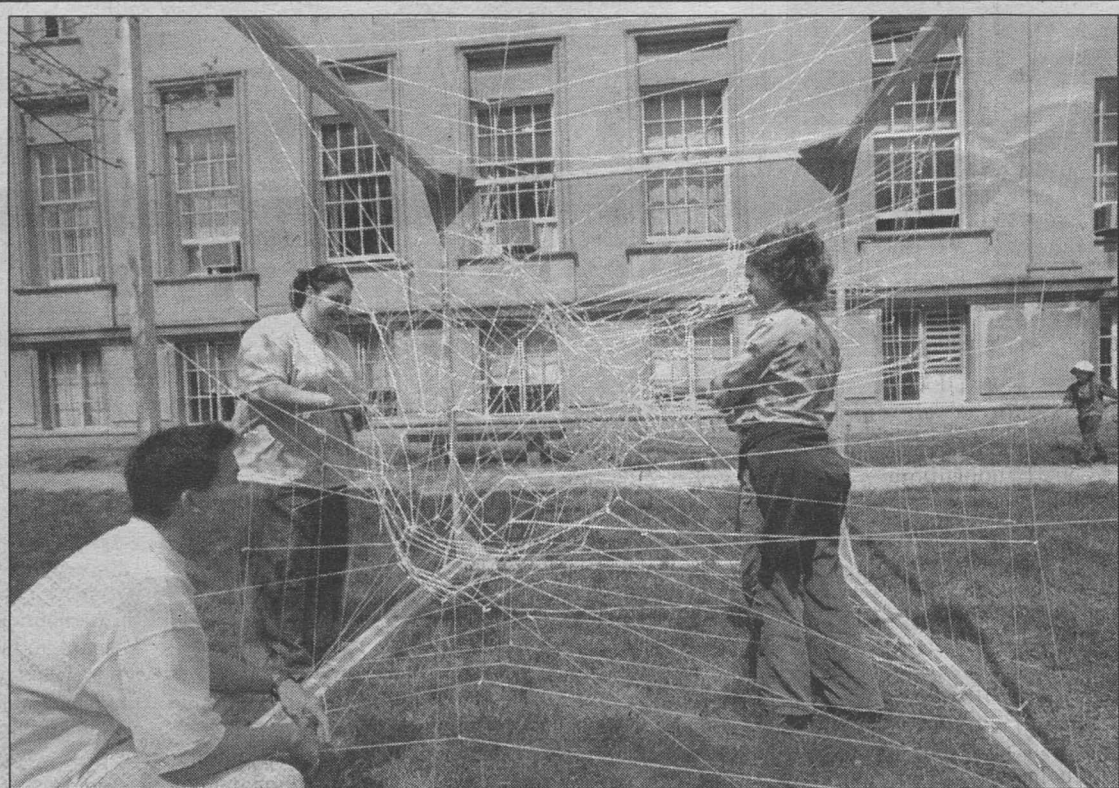
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Record

WASHINGTON
UNIVERSITY
IN ST. LOUIS

Vol. 22 No. 28 April 16, 1998



Composition for strings

Arresting string sculptures catch the attention of passersby near the intersection of Forsyth and Skinker boulevards, where School of Art freshmen, including Eric Lai (left), Anne Schuchard (center) and Mary Galofré, have created a fish, human figures and other compositions within 8-foot cubes. Andrew Connelly, lecturer in art, teaches the course in three-dimensional design. The projects will remain on view through this month.

Mary Wickes' bequest to fund library collection in film, theater, television

University Libraries are a principal beneficiary of the estate of alumna and actress Mary Wickes, whose classic comic touch enlivened stage and screen for decades. Wickes died in 1995.

From the actress' \$2 million bequest, made in memory of her parents, has come the Isabella and Frank Wickenhauser Memorial Library Fund for Television, Film and Theater Arts. The fund will be dedicated at 3 p.m. Thursday, April 16, in the Women's Building Formal Lounge.

"It was her desire for the endowment to allow the libraries to support film, television and

theater on campus," said Kevin P. Ray, head of Special Collections. "This allows us to buy books, videos and equipment along a very broad spectrum."

Wickes also gave her personal papers and professional memorabilia to the Department of Special Collections. The gift, which includes scripts from every film and television show in which she performed, will enrich the drama and theater resources of the department's Modern Literature Collection.

Thursday's dedication will premiere an 11-minute video of excerpts from Wickes' work and interviews with Wickes and many

who knew her. It will also feature as speakers Chancellor Mark S. Wrighton; Shirley K. Baker, vice chancellor for information technology and dean of University Libraries; and Gregory Richards, Wickes' longtime friend and pastor of the Beverly Hills, Calif., Episcopal church Wickes attended. The ceremony, sponsored by University Libraries and the College of Arts and Sciences, is free and open to the public.

A native St. Louisan, Wickes was born Mary Wickenhauser. She received a liberal arts degree from the University in 1930 and in 1955 was one of the first recipients of an

Continued on page 6

Social work students cited for field work

Quarter-million hours volunteered at agencies

Working closely with school, church and community leaders, health providers and other professionals, students of the George Warren Brown School of Social Work provided nearly a quarter million hours of volunteer services during the 1997-98 academic year, according to estimates by the school's Office of Field Education.

During May 15 Commencement ceremonies, six of those students will be honored with the 1997-98 Dr. Clara Louise Myers Outstanding Practicum Student Award and another will receive the Shirlee Fink Kahn Award for exemplary volunteer service in the St. Louis community.

"We are proud of the contributions our graduate students make to planning, delivery and evaluation of social services in the greater St. Louis community," said Therese Dent, Ph.D., assistant dean for field education.

Each master's student is required to spend at least 1,000 hours in a field education project

of his or her choosing. Many students volunteer more hours than necessary, and some contribute as many as 1,500 hours during the course of their education. All work under the close supervision of an on-site professional with an advanced degree in social work or a related discipline.

Practica have taken students to American Indian reservations across the county, to social service agencies and political headquarters in Washington, D.C., and to projects as far away as Thailand. Although students can propose field education projects anywhere in the world, most do the majority of their field work in the St. Louis area, Dent said.

Outstanding Practicum awards are given to one graduate student in each of the school's five major areas of academic concentration. The sixth practicum award goes to a master of social work student who has designed an individualized practicum project to meet personal education and career objectives. To be eligible, recipients must graduate during the current academic year.

Field instructors, faculty and the students themselves nominate

Continued on page 8

Take Our Daughters to Work Day encourages girls' ideas and dreams

About 80 girls ages 9 to 15 are expected to come to the University to participate in Take Our Daughters to Work Day Thursday, April 23—a day dedicated to girls' ideas, spirit and dreams. This is the fifth year that faculty and staff have joined in the national event.

Take Our Daughters to Work Day was created in 1993 by the Ms. Foundation for Women, a national, multi-issue public women's fund based in New York.

The day focuses attention on the needs and concerns of girls and helps them stay focused on their future during adolescence—a period when many girls lose self-esteem.

"This is a day to focus girls' attention on their abilities and to make them see that they can be anything they want to be," said Shirley K. Baker, vice chancellor for information technology and dean of University Libraries.

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Caribbean lizard study yields key new findings about evolution

Lizards may not get the limelight in beer commercials, but thanks to Washington University biologists the slighted creatures now have marquee value in evolution and genetics.

A team led by Jonathan B. Losos, Ph.D., associate professor of biology in Arts and Sciences, has discovered that remarkably similar lizard communities have evolved independently on different islands in the Caribbean. Losos and his colleagues examined the DNA of 56 species of anole lizards found in Puerto Rico, Cuba, Jamaica and the Greater Antilles. Using several common genes of different species, they developed a "family

tree" of these species, the most commonly observed in the Caribbean, to test theories on the lizards' evolutionary history.

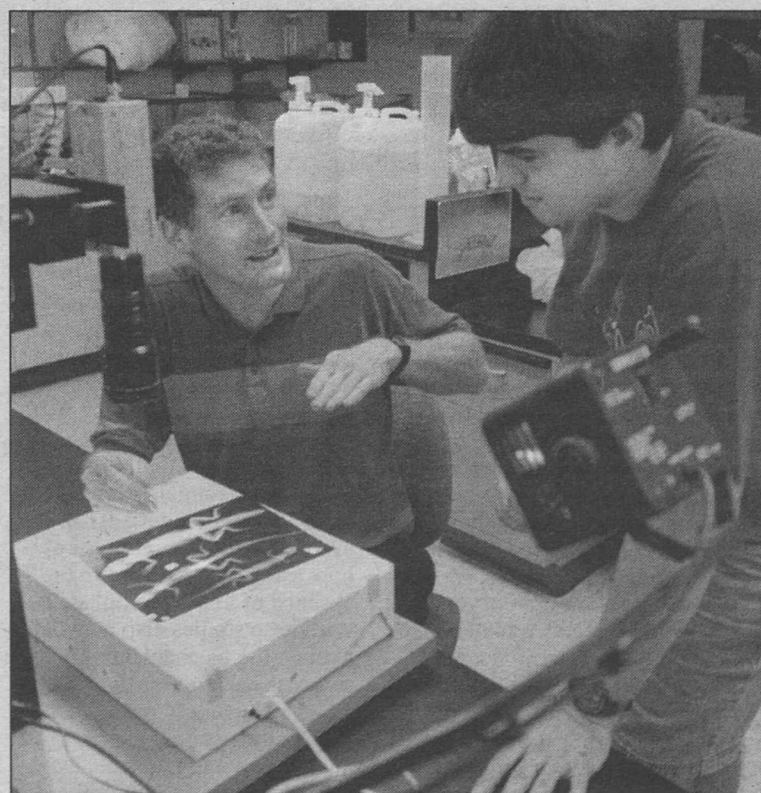
The study reveals a perfect example of an evolutionary concept known as convergence, whereby different species evolve with similar adaptations to the environment despite living geographically apart. Although evolutionary convergence has been taken as evidence for the working of natural selection, this study is unique in showing that entire communities in different locations have converged. This finding goes against the grain of most evolutionary thought that stresses that random events—a meteorite striking Earth or a hurricane

wiping out island species, for example—play unpredictable roles that send evolutionary diversification down different pathways.

The results were published in the March 27, 1998, issue of Science magazine.

For the past decade, Losos and various collaborators have surveyed the Caribbean Island anole populations and documented how species differ in their habitat use and body proportions. Their studies indicate that, within an island, species have adapted to use different parts of the environment by evolving differences in limb length, toepad size and other characteristics.

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Jonathan B. Losos, Ph.D. (left), and graduate student Jim Schulte examine X-rays of anole lizards from the Caribbean.

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Medical Update



Cori Society members explore the City Museum

At an April 9 Cori Society event at the City Museum for faculty, students and their families, Walton Sumner II, M.D., assistant professor of medicine, works with his 3-year-old daughter, Holly, in a paper mache sculpture workshop. The Cori Society provides a forum for students and faculty to interact in informal settings.

Charles Zorumski named Guze professor of psychiatry

Charles F. Zorumski, M.D., head of the Department of Psychiatry at the School of Medicine and psychiatrist-in-chief at Barnes-Jewish and St. Louis Children's hospitals, will be the first person to hold the Samuel B. Guze Professorship in Psychiatry. The professorship was established by Samuel B. Guze, M.D., and his wife, Joy.

Announcement of the newly created chair was made by Chancellor Mark S. Wrighton and William A. Peck, M.D., executive vice chancellor for medical affairs and dean of the medical school.

"An endowed chair is one of the most coveted gifts a university can receive, and I thank the Guzes for their gift and their lifelong devotion to Washington University," Wrighton said. "Endowments for professorships allow us to recognize outstanding individuals and to support their important contributions in research and education."

Peck said: "The School of Medicine and the Department of Psychiatry owe a great debt to Sam Guze. His contributions cannot be overstated nor can his generosity. I believe the Guze Professorship is emblematic of both his personal and professional commitment to this institution, and Chuck Zorumski is a perfect choice as the first Samuel B. Guze Professor, as he carries on the department's tradition of combining excellence in clinical psychiatry, education

and science," Peck said.

Guze, the Spencer T. Olin Professor and former head of psychiatry, has a long history with the medical school. A graduate of the class of 1945, he headed the psychiatry department from 1975 until 1989 and again from 1993 to 1997. He also served as vice chancellor for medical affairs and president of Washington University Medical Center from 1971 to 1989.

In the 1960s and 1970s, Guze was responsible for helping the University's biological approach to psychiatric illness gain acceptance in the medical community. The idea that patients with psychiatric illness should be diagnosed and treated in the same way as patients with other physical illnesses was a revolutionary one.

A pioneer in the creation of diagnostic criteria for psychiatric illnesses, Guze and colleagues believed that mental illness should be diagnosed according to specific symptoms. They helped create the American Psychiatric Association's Diagnostic and Statistical Manual of Mental Disorders, first published in 1980. Guze's research on alcoholism, criminal behavior, hysteria and schizophrenia spawned great interest in the genetics of psychiat-



Charles F. Zorumski

ric disorders. In addition, it helped make brain research central to the department's mission.

William H. Danforth, chairman of the University's Board of Trustees and former chancellor, calls Guze part of the "foundation upon which both Washington University and 20th-century psychiatry are built." Guze succeeded Danforth as vice chancellor for medical affairs when Danforth became the University's chancellor.

"Sam Guze's career has been a model," Danforth said. "He has been simultaneously a pioneer in his field and one of the great leaders of our institution. No one has been a better university citizen or more liked and admired throughout this academic community. Sam and Joy's generous decision to endow a chair in psychiatry is especially meaningful," Danforth said.

A member of many professional societies, Guze is a fellow of the American Academy for the Advancement of Science, the American College of Physicians, the American Psychiatric Association, Royal College of Psychiatrists and the American College of Psychiatrists. Among his numerous honors are the American Psychopathological Association's 1982 Hamilton Medal and 1986 Hoch Medal, as well as the 1995 Sarnat Prize in Mental Health from the National Academy of Sciences' Institute of Medicine.

Guze said establishing the

Faculty honored by St. Louis Academy of Science April 16

Louis V. Avioli, M.D., the Sydney M. and Stella H. Schoenberg Professor of Medicine and professor of orthopaedic surgery, and Leonard Berg, M.D., professor of neurology, will be honored at an April 16 dinner by the Academy of Science of St. Louis with Peter H. Raven Lifetime Awards. At the same event, Scott J. Hultgren, Ph.D., associate professor in molecular microbiology, will receive the academy's Innovation Award. Chancellor Mark S. Wrighton will be the featured speaker.



Louis V. Avioli

Avioli will be honored for his research on osteoporosis. His discoveries laid the basis for a current study of vitamin D and its principal role in regulating

calcium metabolism. His work has led to the recognition of the causes of osteoporosis and the development of widely used treatments for bone loss in postmenopausal women and the elderly.

Berg founded and directed the Alzheimer's Disease Research Center at the School of Medicine until last year. He also developed the Clinical Dementia Rating, the principal scale used



Leonard Berg

worldwide for Alzheimer's disease assessment. And he served on the U.S. Congress Advisory Panel on Alzheimer's Disease and is a past chair of the Alzheimer's Association.

Scott J. Hultgren

medical and scientific advisory board.

The Innovation Award is presented to a scientist younger than 40 who has exhibited great potential and/or superior achievement. Hultgren has made groundbreaking discoveries that affect treatment of bacterial infection. By deciphering the molecular basis of how some bacteria cause disease, he has developed new strategies for making vaccines and drugs against a range of important infections.

The dinner benefits the Junior Academy of Science of St. Louis, an areawide network for young scientists in grades 7 through 12, currently numbering 370 students from 85 schools.

Tickets to the dinner are \$100. For more information, call 533-8083.

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Washington
WASHINGTON UNIVERSITY IN ST. LOUIS

Gravity-sensing system in inner ear will be studied on shuttle mission

When the next space shuttle mission begins April 16, a group of School of Medicine researchers will be inside NASA's Kennedy Space Center. But instead of tracking Columbia's white plume on takeoff, they will be glued to monitors that will reveal how four toadfish handle the flight.

Stephen M. Highstein, M.D., Ph.D., professor of otolaryngology and of anatomy and neurobiology; Allen Mensinger, Ph.D., research instructor in otolaryngology; and other members of Highstein's laboratory will study the response of these saltwater fish to the near-zero gravity conditions in a shuttle orbiting above Earth's

atmosphere. By doing so, they hope to find out why astronauts suffer from something akin to motion sickness the first few days in space.

"The inner ear of these fish, which helps sense motion, is highly similar to that of humans and other mammals," Highstein said. "By studying toadfish, we can gain a very good sense of how astronauts respond to the absence of gravity." Highstein said these studies also may help explain the mechanism of motion sickness back on Earth.

The University researchers will study responses to the altered gravitational state by analyzing signals sent to the fishes' brains from gravity-sensing cells in otolith organs of

the inner ear. Lack of gravity is thought to alter signals coming from the inner ear, leading to nausea in what is known as space adaptation syndrome.

"You can't think, you can't move, you can't eat, you can't do anything but lie still," Highstein said.

Before the flight, Highstein and Mensinger will cut the toadfish nerve that detects gravity signals and place a detector called a wafer electrode assembly in the nerve's path. The nerve will grow through pores in the assembly and begin carrying signals again. Special electrodes, developed by David J. Anderson, Ph.D., professor of otorhinolaryngology and electrical engineering and computer

science at the University of Michigan, will pick up the new signals.

The Neurolab shuttle crew will monitor the recording device as the fish adapt to microgravity. And by sliding the fish tanks back and forth on special rails, they will expose the toadfish to linear acceleration equal to half the Earth's gravity. These experiments will permit Highstein and colleagues to detect signals sent from the inner ear to the brain as the fish adjust to changing gravity.

"Our work should yield fundamental information about how the gravity-sensing system works in normal and microgravity situations," Highstein said. "This may have an impact on future therapies for motion sickness."

Washington People

Hepner: training top-flight health administrators

Each semester, James O. Hepner, Ph.D., and Walter F. Ballinger, M.D., team teach a management course to graduate students in health care administration. But that isn't to say the two lead the course in unison. In fact, they approach issues quite differently and even vigorously disagree from time to time. And that's precisely the point to their pairing.

"He's a doctor, so he has a different perspective," Hepner, director of the School of Medicine's Health Administration Program, said of his partner.

"I'm the devil's advocate," Ballinger said.

As program director, Hepner strives to give students different, even conflicting views on management issues. Not only does he invite physicians to teach — Ballinger is former chief of surgery at Barnes-Jewish Hospital — but he encourages medical students to enroll in administration classes as well. About 15 percent of them now take electives in management with the medical school program.

"They'll all work together after graduation so it makes sense for them to start doing that in the classroom," Hepner said.

That blending of cultures is a hallmark of the program. Colleagues credit Hepner with building a program supportive of such a mix.

"He had the vision to create that kind of atmosphere," Ballinger said. "It's one of the reasons I came to teach here, out of respect for how he's built the program."

This June, Hepner, himself a former student of the program, will step down as director, a post he has held for 31 years. When he goes, he will leave behind one of the most lauded health administration programs in the country.

William A. Peck, M.D., executive vice chancellor for medical affairs and dean of the medical school, credits Hepner with building a remarkably strong program on many counts. Most noteworthy have been Hepner's continued selection of top-notch students and his strong relationship with alumni.

"That's always a mark of good stewardship," Peck said. "We have good reason to be proud of Jim's achievements."

Turning to full-time teaching

While he may be leaving as director, he won't be leaving the program. Hepner said he now looks forward to the rewards of full-time teaching.

"I wouldn't want to leave," he said. "This school has been so good to me for the last 31 years."

The program he has headed had its genesis in 1946, when the medical school developed its first curriculum to teach future hospital managers. The early program, which involved one year of courses and an internship, was known as hospital administration.

"That's what we did — prepared students to run hospitals," Hepner said.

Today's students graduate into a much broader arena. The program, now known as health administration, still prepares students to run hospitals. But it also teaches students to direct physicians' group practices, manage hospices, oversee home health care delivery systems and even work for pharmaceutical companies and health benefits programs in Fortune 500 companies.

The expansion is due to managed care, which Hepner calls the single biggest change in health care services during his 31-year tenure. When Hepner was a student in the program — he graduated in 1959 — doctors were motivated to order tests, schedule office visits and allow lengthy hospital stays.

"The more they did, the more they earned," he said.

But today's health care delivery systems work within an entirely different infrastructure. The economic incentive, Hepner said, has shifted 180 degrees. Now insurance companies pay health care providers a set annual fee for each patient. The leaner providers — those who limit expensive tests and long hospital stays — make more money.

"We used to teach students that hospitals measured success by how many beds were filled. Not anymore."

Now the goal is to move patients out of the hospital and into ambulatory care settings," he said.

The shift in focus means Hepner has taught during a fascinating, even revolutionary era in health care administration. Still, he worries about the change.

"It's all become very bottom line," he said. "I just hope we don't lose sight of why we're all here, which is to help sick people."

For Hepner, a dedication to helping people is paramount and critical to the program's success. Prospective students must believe in seeing "beyond the bottom line," he said. "Our students have values and the desire to serve others."

When choosing students, Hepner looks for clues that the applicant feels a sense of responsibility toward the community. Many of the program's students are natural

all social work, rather a balance between the two — a balance between doing well and doing good."

Hepner's interest in hospital administration has deep roots. In high school, he worked as an orderly for a Cedar Rapids, Iowa, hospital, earning 50 cents an hour. While he was there, an administrator encouraged him to consider hospital management as a career option. He revisited that idea while serving as an officer in the Marine Corps during the Korean War. He had enlisted after earning a bachelor's degree in history from the University of Iowa. During his three-year military stint, Hepner served as an infantry platoon leader in North Carolina where he met fellow Marine officers who were considering post-discharge careers in hospital administration. The idea stuck.

After he was discharged, Hepner researched various health administration programs but was sold on Washington University.

"I definitely liked it here best," he said. "The program is in the medical school, and that made a big difference then — and still does today."

Hepner went on to earn a Ph.D. from the University of Iowa and returned to Washington University to lead the master's in health administration program in 1967. Over the years, his professional expertise has reached far beyond the University. Hepner is a research grant reviewer for the U.S. Department of Health and Human Services and a consultant to the Air Force Surgeon General. In fact, he is the only civilian to have been awarded the Medical Service Corps' gold medal for excellence and leadership.

In another "first," Hepner was the first full-time academic to serve as board chairman of the American College of Healthcare Executives, a post normally held by health care administrators. The group presented him with one of its most distinguished honors, the Silver Medal Award of Excellence in Health Services Administration.

And when Mosby Year-Book recently developed a bi-monthly journal on health care management, the health publisher asked Hepner and Ballinger to serve as co-editors-in-chief. The two now share the helm of "Best Practices and Benchmarking in Healthcare: A Practical Journal for Client and Management Applications."

Building unique alliances with physicians

Building alliances with physicians has been a major component of Hepner's career and a strength of the program he's built. Many of the 68 accredited university graduate programs in the country are not housed in a medical school. To capitalize on the School of Medicine's uniqueness, Hepner developed the Capstone Program, which gives fourth-semester students practical experience solving real-life problems. BJC Health System administrators give teams of students actual problems and issues to solve. This semester, one team is analyzing what effects a nurses' union would have on the quality and cost of care for patients. Another is investigating different ways hospices operate throughout the country and how cost and care vary.

Hepner and Ballinger developed another course called the Physicians Executive Management Course for doctors interested in honing their leadership skills. What started as a one-day crash course has developed into a 10-session primer on building effective management skills. The program is tailored exclusively for BJC physicians and is so popular that Hepner is considering adding an advanced course as well.

Now that Hepner will return to full-time teaching, he may lead such a class, leaving the administrative duties of building courses to his successor.

So what does retirement hold after 31 years as director?

In addition to teaching, perhaps a little playtime, said Hepner, most likely with his two bulldogs, Chesty Puller — named after a famous Marine — and Minnie. Hepner also will relax with his wife, Lynn, a 1982 graduate of the program and vice president and general manager of Spectrum Emergency Care.

"I can't say it enough — this school has been so good to me," Hepner said. "I've been here 31 years, and I just never wanted to work anywhere else."

— Nancy Mays



James O. Hepner, Ph.D. (left), and Walter F. Ballinger, M.D., combine managers' and physicians' perspectives in their health care administration course at the School of Medicine.

leaders: Eagle Scouts, veterans, volunteers, captains of school teams. So it comes as no surprise that the program's alumni go on to become leaders in health care administration as well. In fact, almost 35 percent of the program's graduates are chief executive officers or presidents of health care facilities.

"It's a phenomenal network," said 1972 graduate Larry Mathis.

Mathis is former chief executive officer of the Meth-

"Our students see the field as not all business and not all social work, rather a balance between the two — a balance between doing well and doing good."

— James O. Hepner

odist Health Care System in Houston. He recently retired, meeting a longtime goal of leaving the daily workplace by age 55. Among other plans, he will busy himself serving on the search committee for Hepner's successor. He hopes the next director shares Hepner's dedication to selecting premiere students.

"He emphasizes selecting leaders," Mathis said. "It's self-reinforcing. Prospective students see the program's high-profile alumni and they say, 'I want to go there.'"

Hepner is proud that so many of the program's alumni are at the top of the field. But more than that, he's proud knowing so many of the field's top leaders are committed to serving.

"Our students see the field as not all business and not

Calendar

Visit Washington University's on-line calendar at
<http://cf6000.wustl.edu/calendar/events/v1.1>

April 16-25



Exhibitions

"Photography Thesis Exhibition." Works by grad. students. Opening reception April 17, 6-9 p.m. Exhibit runs through May 16. Mudd Hall.

"Powerful Grace Lies in Herbs and Plants: A Joint Exhibit on Herbal Medicine." Sponsored by Missouri Botanical Garden Library and Bernard Becker Medical Library. Through August. Seventh floor, Bernard Becker Medical Library, 660 S. Euclid. 362-4235.

"The Book Arts in St. Louis: 1898 to 1998." Through May 22. Special Collections, level five, Olin Library. 935-5495.



Films

Friday, April 17

7 and 9:30 p.m. Filmboard Feature Series. "L.A. Confidential." (Also April 18, same times, and April 19, 7 p.m.) Cost: \$3 first visit; \$2 subsequent visits. Room 100 Brown Hall. 935-5983.

Midnight. Filmboard Midnight Series. "Broadcast News." (Also April 18, same time, and April 19, 9:30 p.m.) Cost: \$3 first visit; \$2 subsequent visits. Room 100 Brown Hall. 935-5983.

Tuesday, April 21

7 and 9 p.m. Filmboard Foreign and Classic Series. "It Happened One Night." (Also April 22, same times.) Cost: \$3 first visit; \$2 subsequent visits. Room 100 Brown Hall. 935-5983.

Wednesday, April 22

6 p.m. Japanese Film Series. "Yojimbo" (1961). English subtitles. Room 219 Ridgley Hall. 935-5156.

Friday, April 24

7 and 9:30 p.m. Filmboard Feature Series. "Cinema Paradiso." (Also April 25, 7 and 9:30 p.m. and April 26, 7 p.m.) Cost: \$3 first visit; \$2 subsequent visits. Room 100 Brown Hall. 935-5983.

10 p.m. and midnight. Filmboard Midnight Series. "Ferris Bueller's Day Off." (Also April 25, midnight, and April 26, 9:30 p.m.) Cost: \$3 first visit; \$2 subsequent visits. Room 100 Brown Hall. 935-5983.



Lectures

Thursday, April 16

Noon. Genetics seminar. "Physical Mapping Projects — Large and Small: 1p—Critical Region to Whole Chromosomes." John D. McPherson, asst. prof. of genetics. Room 823 Genetics Library, McDonnell Medical Sciences Bldg. 362-7076.

4 p.m. Biology seminar. "Functional Integration, Constraint and the Evolution of Phenotypic Stability." Kurt Schwenk, ecology and evolutionary biology dept., U. of

Conn. Sponsored by the Graduate Program in Evolution and Population Biology. Room 322 Rebstock Hall. 935-4656.

4 p.m. Chemistry seminar. "The Dynamics of Organic Reactive Intermediates." Barry Carpenter, prof. of chemistry, Cornell U. Room 311 McMillen Lab. 935-6530.

4 p.m. Earth and planetary sciences colloquium. Speaker is Mark Simons, Calif. Inst. of Tech. Room 112 Wilson Hall. 935-5610.

4 p.m. Film/Media Program lecture. "Real Life in the World of Film and Television." Russell Schwartz, exec. v.p. for business and planning, HBO's Independent Productions. Room 325 Mallinckrodt Center. 935-5858.

4 p.m. Political science lecture and convocation. Seventh annual Eliot Memorial Lecture and Honors Convocation. Speaker is Jan Leighley, prof. of political science, Texas A & M, College Station. Room 200 Eliot Hall. 935-5852.

4:15 p.m. Philosophy colloquium. "Of Conspiracy Theories." Brian Keeley, McDonnell Post-doctoral Fellow. Room 110 January Hall. 935-6640.

4:30 p.m. Mathematics Roeper Colloquium. "Solution Equations and Differential Geometry." Chuu-Lian Terng, prof. of mathematics, Northeastern U., Boston. Room 199 Cupples I Hall. 935-6302.

Friday, April 17

9:15 a.m. Pediatric Grand Rounds. "Street Drugs: What's New ... What's Out There." Robert A. Wiebe, the Sarah M. and Charles E. Seay Distinguished Chair in Pediatric Medicine and prof. of pediatrics, U. of Texas Southwestern Medical Center, Dallas. Clopton Aud., 4950 Children's Place. 454-6006.

Noon. Cell biology and physiology seminar. "How Fertilization Specifies the Dorsal-ventral Axis in Xenopus Embryos." Randall T. Moon, pharmacology dept., U. of Wash. Room 426 McDonnell Medical Sciences Bldg. 362-6950.

Noon. Gallery of Art Friday Forum Luncheon Series. "Collecting Prints." Barbara Butts, curator of prints and drawings, The Saint Louis Art Museum. Cost: \$15. Gallery of Art. 935-4523.

3 p.m. East Asian studies lecture. Fifth annual Stanley Spector Lecture on East Asian History and Civilization. "The Cultural Foundation of Asian Nationalism." Lucien W. Pye, the Ford Professor of Political Science, emeritus, MIT. Room 110 January Hall. 935-4448.

4 p.m. Mathematics geometry colloquium. "Integrable Systems and Group Actions." Chuu-Lian Terng, prof. of mathematics, Northeastern U., Boston. Room 115 Cupples I Hall. 935-6302.

4 p.m. Music lecture. "Dvorák and the Other Panic of 1893." Michael Beckerman, prof. of musicology, U. of Calif.-Santa Barbara. Room 102 Music Classroom Bldg. 935-4841.

Monday, April 20

Noon. Brown Bag Seminar Series. Sponsored by the John M. Olin School of Business, the George Warren Brown School of Social Work, the Center for Social Development, the Department of Economics, the Graduate School of Arts and Sciences and the Committee on Social Thought and Analysis. "Trusting Fictive Kin." Jean Ensminger, assoc. prof. of anthropology. Room 300 Eliot Hall. 935-4918.

Noon. Molecular biology and pharmacology seminar. "Structure/function Relationship Studies of DNA-unwinding Proteins." Gabriel Waksman, asst. prof. of biochemistry and molecular biophysics. Pharmacology Library: Philip Needleman Library, Room 3907 South Bldg. 362-2725.

4 p.m. Biology seminar. Search Candidates for the Tyson Station Manager Position at WU Seminar Series. "The Maintenance of Spe-

cies Diversity in Temporary Ponds." Bill Reseratis, assoc. prof., Illinois Natural History Survey. Room 212 McDonnell Hall. 935-6706.

4 p.m. Chemistry seminar. "Recent Developments in Small Molecule Activation by Low Coordinate Transition Metal Complexes." Christopher Cummins, prof. of chemistry, MIT. Room 311 McMillen Lab. 935-6530.

7 p.m. School of Architecture Monday Night Lecture Series. "The Art, Architecture and History of the Guggenheim Museums: Bilbao and Berlin." (See story on page 6.)

Tuesday, April 21

8 a.m. Gastroenterology Grand Rounds. "Pathogenesis and Treatment of Gallstones." Sum Lee, chief of gastroenterology, VA Medical Center, Seattle, and prof. and chair of gastroenterology, U. of Wash. Wohl Hospital Bldg. Aud., 4960 Children's Place. 362-8951.

Noon. Gastroenterology research conference. "A Tale of Two Oposums and a Discussion of Cholesterol Metabolism." Sum Lee, chief of gastroenterology, VA Medical Center, and prof. and chair of gastroenterology, U. of Wash. Room 901 Clinical Sciences Research Bldg. 362-8951.

Noon. Molecular Microbiology and Microbial Pathogenesis Seminar Series. "Infectious Disease Drug Discovery." Dennis Schmatz, exec. dir., basic animal science research, Merck Research Labs., Rahway, N.J. Cori Aud., 4565 McKinley Ave. 362-8873.

4 p.m. Chemistry seminar. "Probing Structure and Chemistry of Complex Material with New Solid-State NMR Techniques." Karl Mueller, prof. of chemistry, Penn. State. Room 311 McMillen Lab. 935-6530.

6:15 p.m. Germanic languages and literatures/Committee on Comparative Literature lecture. "Nature as Artist: Monism and Aesthetics Around 1900." Georg Braungart, prof. of German literature, U. of Regensburg, Germany. Stix International House Living Room. 935-5106.

Wednesday, April 22

6:30 a.m. Anesthesiology Grand Rounds. "Evidence-based Anesthesiology?" Barry P. Markovitz, asst. prof. of anesthesiology and of pediatrics. Wohl Hospital Bldg. Aud. 362-6978.

8 a.m. Obstetrics and Gynecology Grand Rounds. "Ethical and Legal Aspects of Art Care." Rita Basuray, assoc. prof. of obstetrics and gynecology. Clopton Aud., 4950 Children's Place. 362-7139.

11 a.m. Assembly Series lecture. "Fire With Fire: The New Female Power and How it Will Change the 21st Century." (See story on page 5.)

Noon. Occupational therapy brown bag research seminar. "A Typology of Environmental Support for Persons with Disabilities." Susan S.L. Stark, instructor, occupational therapy. Room 1502, 4444 Forest Park Blvd. 286-1600.

1:30 Orthopaedic lecture. St. Louis Orthopaedic Society Distinguished Lecturer Series. "Cervical Spondylosis and Myelopathy: Treatment with Anterior Decompression and Fusion." Henry Bohlman, prof. of orthopaedics, Case Western U., Cleveland. Scarpellino Aud., first floor, Mallinckrodt Institute of Radiology, 510 S. Kingshighway Blvd. 747-2803.

4 p.m. Biochemistry and molecular biophysics seminar. "Mutagenesis of Factor VIIa, A Cofactor-regulated Serine Protease." Wolfram Ruf, assoc. prof. of immunology, Scripps Research Inst., LaJolla, Calif. Cori Aud., 4565 McKinley Ave. 362-0261.

4 p.m. Biology seminar. Search Candidates for the Tyson Station Manager Position at WU Seminar Series. "Upper Respiratory Tract Disease in Desert Tortoises: Impacts of Human Activities." Patrick

Lederle, Science Applications International Corp. Room 362 McDonnell Hall. 935-6706.

4 p.m. Physics lecture. "Confessions of an Unrepentant Reductionist: What the Laws of Physics Don't Tell Us." (See story on page 6.)

6 p.m. Orthopaedic lecture. St. Louis Orthopaedic Society Distinguished Lecturer Series. "Spinal Kyphosis: Diagnosis and Treatment." Henry Bohlman, prof. of orthopaedics, Case Western U., Cleveland. University Club Tower, Brentwood, Mo. 747-2803.

8 p.m. Writing Program colloquium. "Short Short, Prose Poem or Couldn't Finish?" Amy Hempel, Visiting Hurst Professor. Hurst Lounge, Duncker Hall. 935-7130.

Thursday, April 23

11:15 a.m. Mental Health Services Spring Seminar Series. Overview of NIH-funded project. "HIV Prevention and Life Options for Youth in Foster Care." Wendy Auslander, assoc. prof. of social work; Curtis McMillen, asst. prof. of social work; and doctoral students Diane Elze and Ron Thompson. Room 222 Goldfarb Hall. 935-7453.

Noon. Genetics seminar. "Progress Towards the Cloning of One Tumor Suppressor Gene Predisposing Women Towards the Development of Cervical Carcinoma." Daniela S. Gerhard, research asst. prof. of genetics and asst. prof. of psychiatry. Room 823 Genetics Library, McDonnell Medical Sciences Bldg. 362-7076.

4 p.m. Chemistry seminar. The 39th Joseph W. Kennedy Memorial Lecture. "Trapping Atoms and Other Neutral Particles with Light." Steven Chu, the Theodore and Frances Geballe Professor of Physics and Applied Physics and co-winner of 1997 Nobel Prize for physics, Stanford U. Room 458 Louderman Hall. 935-6530.

4 p.m. Earth and planetary sciences colloquium. "A Geochemical Investigation of Zircons from the Lyon Mountain Gneiss, Adirondack Mountains, New York State." John M. Hanchar, Environmental Research Div., Geochemical Processes, Argonne National Lab. Room 112 Wilson Hall. 935-5610.

4:15 p.m. Philosophy-Neuroscience-Psychology Program colloquium. "Knowledge-based Vision and Simple Visual Machines." Dave Cliff, MIT. Room 215 A and B, Psychology Bldg. 935-5119.

6:00 p.m. Arts and Sciences Century Club Series lecture. "Mars: Exploration and Life." Raymond E. Arvidson, chair of earth and planetary sciences. Room 162 McDonnell Hall. 935-8003.

8 p.m. School of Architecture Monday Night Lecture Series. The Fumihiko Maki Endowed Lecture. "The Capacity for Endlessness." Ben Van Berkel, architect, Van Berkel & Bos Architecture Bureau., Amsterdam. Steinberg Aud. 935-6200.

Friday, April 24

9:15 a.m. Pediatric Grand Rounds. The Ableson Lecture. "Gene Therapy for Hematopoietic Stem Cells." Robert Parkman, prof. of pediatrics and microbiology, USC Medical School; head, Div. of Research Immunology and Bone Marrow Transplantation, Children's Hospital, Los Angeles. Clopton Aud., 4950 Children's Place. 454-6006.

Noon. Cell biology and physiology seminar. "Intracellular Survival Strategies of *Histoplasma capsulatum*." William E. Goldman, assoc. prof. of molecular microbiology. Room 426 McDonnell Medical Sciences Bldg. 362-6950.

2 p.m. Chemistry seminar. The 39th Joseph W. Kennedy Memorial Lecture. "The Study of Polymer Dynamics and Biological Function at the Single Molecular Level." Steven Chu, the Theodore and Frances Geballe Professor of Physics and Applied Physics and

co-winner of 1997 Nobel Prize for physics, Stanford U. Room 458 Louderman Hall. 935-6530.

4 p.m. Music lectures. "A Newly Identified Source for ce qu'on Entend sur la Montagne." Paul Bertagnolli, grad. student, music dept. "Seeing Music: Visuality in the Friendship of Carl Friedrich Zelter and Johann Wolfgang von Goethe." Stephanie Campbell, grad. student, music dept. Room 102 Music Classroom Bldg. 935-4841.

4:30 p.m. Managed care symposium. "Future Directions in Managed Care: Academic and Industry Perspectives." (See story on page 8.)



Music

Thursday, April 16

5:30 p.m. WU Wind Ensemble concert. "Band Favorites." Dan Presgrave, dir. Brookings Quad. 935-4841.

8:30 p.m. WU Jazz Combo concert. Tietjens Rehearsal Hall. 935-4841.

Sunday, April 19

4 p.m. Student voice recital. David Cerven, baritone, and Henry Palkes, piano. Graham Chapel. 935-4841.

Tuesday, April 21

8:30 p.m. Student recital. Music of Bach, Schumann and Granados. Graham Chapel. 935-4841.



Performances

Friday, April 17

8 p.m. OVATIONS! Series performance. "Ubu Roi." Puppet-theater specialists Hystopolis Productions presents Alfred Jarry's 1888 absurdist spoof. (Also April 18, same time.) Cost: \$23. Edison Theatre. 935-6543.

Sunday, April 19

7 p.m. OVATIONS! Series performance. "Shakespeare As I Knew Her." (See story on page 5.)

Thursday, April 23

8 p.m. A.E. Hotchner Playwriting Competition performance. "Nebraska." (Also April 24 and 25, same time, and April 26, 2 p.m.) (See story on page 5.)

Saturday, April 25

7:30 p.m. Concert. The Carrie Newcomer Band. Sponsored by housing/residential life. Cost: \$10; \$7 for students (\$12 day of show.) Steinberg Hall. 935-5037.

8 p.m. OVATIONS! Series performance. Senegalese singer and guitarist Baaba Maal and his 12-piece band, Daande Lenol, joined by Griot guitarist Mansour Seck. Cost: \$23. Edison Theatre. 935-6543.



Miscellany

Thursday, April 16

3 p.m. Dedication of Isabella and Frank Wickenhauser Memorial

Library Fund. (See story on page 1.)

6-9 p.m. The 15th annual St. Louis Printmarket gala preview party. More than 25 dealers from throughout the country display prints and other works on paper. Cost for preview: \$50; \$35 for those younger than 35. (Printmarket continues April 17-19, 10 a.m.-5 p.m. Cost: \$5; \$2 for students.) Proceeds benefit the Gallery of Art. Upper and lower galleries, Gallery of Art. 361-3737.

7:30 p.m. Feminist reading group. Discussion of Audre Lorde's "Sister Outside" and "The Cancer Journals." Open to faculty and graduate students. 6150 McPherson. 935-5102.

Friday, April 17

Business, Law and Economics Center/Center in Political Economy conference. (Continues through April 19.) (See story on page 6.)

Saturday, April 18

10 a.m.-5 p.m. Bookarts Market. Book and paper arts, supplies and

demonstrations. Bixby Hall gallery. 935-4643.

11 a.m.-8 p.m. Thurtene Carnival. (Also April 19, same times.) (See story on page 6.)

Thursday, April 23

8 p.m. Writing program poetry reading. Readings by MFA candidates Heidi Lynn Nilsson, A.F. Thomas and Derek Webster. Hurst Lounge, Duncker Hall. 935-7130.

Friday, April 24

3:30 p.m. Architecture Student Awards Ceremony. Steinberg Aud. 935-4636.

Saturday, April 25

9 a.m. Saturday workshop. "Paste Papers." Make decorative papers. Cost: \$40. 935-4643.

2 p.m. Poetry reading. Poet Laureate Robert Pinsky's Favorite Poem Project. Midwest launch of project features 15-20 non-poets reading works by their favorite American writers. Sponsored by the Center for the Book in the Library of Congress and in Jefferson City, Mo. May Aud., Simon Hall. 935-7130.

Feminist author Naomi Wolf to speak

Feminist author Naomi Wolf will deliver the Women's Society Adele Chomeau Starbird Lecture, titled "Fire with Fire: The New Female Power and How it Will Change the 21st Century," at 11 a.m. Wednesday, April 22, as part of the Assembly Series. The lecture is free and open to the public and will take place in Graham Chapel.

Wolf is one of the best-known figures in modern feminism. Her first book, "The Beauty Myth: How Images of Beauty are Used Against Women," written while she was a Rhodes scholar at Oxford, sparked a great deal of discussion when it was released in 1991. The book explored the subtle ways in which modern culture's standards of beauty can damage women both emotionally and physically. Her latest book is "Promiscuities: The Secret Struggle for Womanhood," which takes a look at the subject of

sexual coming of age. Wolf has written numerous essays for publications including The New Republic, Glamour, Ms., Esquire, The Washington Post and The New York Times.

Wolf earned a bachelor's degree in English from Yale University in 1984. She then attended Oxford University's New College as a Rhodes scholar.

The Women's Society Adele Chomeau Starbird Lecture was established in 1988. It is an annual spring tribute to the late Adele Chomeau Starbird, Washington University's dean of women for 28 years.

For more information, call 935-5285.



Naomi Wolf



Seniors Kerry Mulvaney as Bethany and Sanjit de Silva as Harold star in Alan Griswold's "Nebraska," winner of the University's 1997 A.E. Hotchner Playwriting Competition, on stage at the A.E. Hotchner Studio Theatre April 23-26.

Graduate's original play on Edison stage

"Nebraska," an original one-act play by Washington University graduate Alan Griswold and winner of the University's 1997 A.E. Hotchner Playwriting Competition, will debut in the A.E. Hotchner Studio Theatre April 23-26.

The Performing Arts Department in Arts and Sciences will present Griswold's work at 8 p.m. April 23, 24 and 25 and at 2 p.m. April 26.

"Nebraska" follows two strangers, Harold and Bethany, through a series of encounters at an isolated train station in Kearney, Neb. Though they first meet by chance, over a period of weeks and months the couple returns to the station again and again, becoming more familiar

with one another and gradually revealing what drives them to such a desolate spot.

"They're looking for something they need — comfort, friendship, a diversion, maybe love," explained Andrea Urice, artist in residence, who directs the play. "Harold is privately and quietly dealing with a rather tragic past while Bethany, in many respects his polar opposite, is playful and gregarious and eager to have her world opened up by someone new."

The set design, by Melissa Mitchell, a graduate student in the School of Architecture, is a spare evocation of a train station platform. "We reduced the set to a few essential elements — a light pole, a bench, telephone wires receding into the distance," said Urice. "We wanted to create a sense of open space and perspective — a sense that the characters are meeting on this little island surrounded by a vast Nebraska prairie."

Griswold, a native of Knoxville, Tenn., graduated from the

University in 1996 with a bachelor of fine arts degree in sculpture from the School of Art and a bachelor's degree in English literature from the College of Arts and Sciences. He currently works at the Gersh Agency in Beverly Hills, Calif. "Nebraska" is his first play.

The annual A.E. Hotchner Playwriting Competition is open to all Washington University students and graduates of one year. Hotchner, a 1940 graduate of the University, is the author of many screenplays, novels and plays, including the 1966 memoir "Papa Hemingway," which recounts his long friendship with the famous writer. His recent historical novel "Louisiana Purchase," based on the founding of St. Louis, is currently published in paperback by St. Louis' Virginia Publishing Company.

Tickets are \$10 for the general public and \$7 for senior citizens and University faculty, staff and students. They are available at the Edison Theatre Box Office at 935-6543, and all MetroTix outlets, 534-1111. For more information, call 935-5858. — Liam Otten

Shakespearean actress Jane Lapotaire returns April 19 for one-woman show

Internationally renowned Shakespearean actress Jane Lapotaire, currently a visiting artist in the University's Performing Arts Department in Arts and Sciences, will present the U.S. debut of her acclaimed solo show "Shakespeare As I Knew Her" at 7 p.m. Sunday, April 19, at Edison Theatre.

"Shakespeare As I Knew Her" revisits Lapotaire's distinguished 30-year career through personal anecdotes, stories and songs — all recounted in the costumes and characters of some of Shakespeare's most notable women. Lapotaire conceived and wrote the show during a 1995 stint as artist in residence here. The show is dedicated to Henry I. Schvey, Ph.D., professor and chair of performing arts, and his wife, Patty.

Of French ancestry, Lapotaire was educated in England and trained at The Bristol Old Vic Theatre School. In 1967, she joined Laurence Olivier's National Theatre Company at the Old Vic and in the years since has starred in many Shakespeare productions there and elsewhere.

Other theater credits include "Misalliance" and "The Archbishop's Ceiling" with the Royal Shakespeare Company (RSC) and "L'Aide Memoire" with the Bi-Lingual Theatre. In 1990, Lapotaire played Joy

Davidman in "Shadowlands" in the West End, for which she won the Variety Club Award for best actress. She currently is starring as

Katherine in the RSC's "Henry VIII."

Lapotaire's film credits include "Anthony and Cleopatra," "Lady Jane," "Napolean and Josephine," "Surviving

Picasso" and, most recently, "Shooting Fish." She has made many television appearances as well.

Lapotaire's book, "Grace and Favour," was published by Macmillan in 1989.

The performance is sponsored by Edison Theatre's OVATIONS! Series, performing arts and the Helen Clanton Morrin Memorial Lecture Fund. Proceeds will benefit the University's Summer Program at Shakespeare's Globe, which offers students the opportunity to study acting and directing at the famous London theater.

Tickets are \$30, which includes priority seating and a post-performance reception, and \$18. Call for discounts. Tickets are available at the Edison Theatre Box Office, 935-6543, or through MetroTix, 534-1111. For more information, call 935-6543.



Jane Lapotaire

Sports

Compiled by Mike Wolf, asst. athletic director for media relations, and Kevin Bergquist, asst. director, sports information. For up-to-date news about Washington University's athletics program, access the Bears' Web site at rescomp.wustl.edu/~athletics/.

Men's tennis team places second

Falling by just two points to the host school, the men's tennis team placed second at the University of Illinois-Springfield Invitational this past weekend. The Bears captured titles at No. 3, 4, 5 and 6 singles. Freshman Jason Lawrence improved to 19-1 this season by winning the No. 4 singles title. Earlier in the week, the Bears scored a 6-1 home victory vs. Principia College. The squad gets a chance to avenge its tourney loss this weekend, facing Illinois-Springfield in a dual match.

Current Record: 15-4

This Week: 11 a.m. Sunday, April 19, at University of Illinois-Springfield.

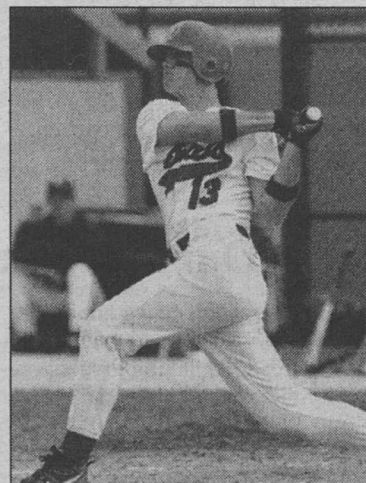
Women's tennis splits matches

The women's tennis team reached the 10-win plateau for the 16th consecutive season by splitting a pair of home matches during the weekend. The Bears lost to Hope College (Mich.) 7-2 Friday, April 9, before bouncing back to defeat University Athletic Association foe University of Chicago 6-3 Saturday. Freshman Nandini Chaturvedula split both of her matches at No. 2

singles and became the second player to reach 10 wins this season (10-7).

Current Record: 10-5

This Week: TBA Friday and Saturday, April 17 and 18, at Midwest Invitational Tournament, Madison, Wis.



Steve Steinbruegge

Baseball Bears win three of four games

Winning three of its four games last week, the Bears' baseball squad climbed five games over the .500 mark for the first time this season. The team swept a doubleheader against Maryville University (7-1 and 14-7) and then split a twinbill at

Greenville College (lost 4-2 and won 7-3). Sophomore Steve Steinbruegge paced the Bears in the four games, batting .429 (6 of 14) with a triple, a home run and five RBIs. The team plays three road games this weekend.

Current Record: 16-11

This Week: 6 p.m. Friday, April 17, at Fontbonne College, Sauget, Ill.; 1 p.m. Sunday, April 19, at Rose-Hulman Institute (2), Terre Haute, Ind.

Runners strong at home invitational

The track and field teams registered strong performances Saturday at the Washington University Invitational. The women rallied late to finish second to regional power University of Wisconsin-La Crosse, while the men's squad tied for ninth place out of 17 teams. Winners on the women's side were juniors Emily Richard (3,000 meters) and Eileen McAllister (1,500) and freshman Julie Riley (pole vault). Sophomore Tim Julien posted the top men's performance with a first-place showing in the 5,000 (14 minutes, 47.94 seconds).

This Week: 11 a.m. Saturday, April 18, at Millikin University Invitational, Decatur, Ill.



Actress Mary Wickes teams up with Alan Young (left) and Gordon Connell for this 1977 Muny production of "Meet Me in St. Louis." Wickes, an alumna who died in 1995, has left a \$2 million bequest to the University Libraries for a television, film and theater collection.

Bequest funds collection — from page 1

Alumni Citation. The University bestowed upon Wickes an honorary doctor of arts degree in 1969. She returned to her alma mater on several occasions to teach, and, as an artist in residence, she performed in the 1968 on-campus production of fellow University alumnus Tennessee Williams' play "The Glass Menagerie."

Best known as a comic actress, Wickes also played many dramatic roles. She described herself as "an actress who can play comedy," and once said: "This ability to be able to deliver comedy lines with perfect accuracy and with exquisite timing is of maximum importance, and it is inbred. You either have it or you don't, and when you have it, you

can play tragedy as well."

Among her film credits are several classics, including "The Man Who Came to Dinner," "White Christmas" and "The Trouble With Angels." She was a permanent member of nine television series, including "Make Room for Daddy." In recent years, in addition to her extensive television work, Wickes appeared in "Postcards From the Edge," "Little Women" and "Sister Act." Her last role, completed only weeks before her death, was the voice of a gargoyle in the animated feature film "The Hunchback of Notre Dame."

For more information on the dedication ceremony, call 935-5495. — Martha Everett

Guggenheim's Krens delivering architecture lecture April 20

Thomas Krens, director of the Solomon R. Guggenheim Foundation in New York, will lecture on "The Art, Architecture and History of the Guggenheim Museums: Bilbao and Berlin" at 7 p.m. Monday, April 20, in Graham Chapel.

Krens will deliver the Eugene J. Mackey Jr. Memorial Lecture, co-sponsored by the School of Architecture's Monday Night Lecture Series and the Visual Arts and Design Center, composed of the Department of Art History and Archaeology in Arts and Sciences, the Gallery of Art, the School of Architecture, the School of Art and the Art and Architecture Library.

Krens will discuss the mission of the Guggenheim Foundation, from its inception in 1937 to create a museum for Guggenheim's impressive collection of avant-garde paintings up to its recent international efforts.

An architectural feat in its own right, the Solomon R. Guggenheim Museum in New York City, which opened in 1959, was designed by Frank Lloyd Wright as the first of the foundation's five museums.

Krens was appointed director of the foundation in 1988 after serving as director of the Williams College Museum of Art in Williamstown, Mass., and a member of the Williams College art faculty. Since then, Krens has overseen a major restoration of the

New York museum and spearheaded the foundation's increasingly international focus, including exhibitions in more than 75 cities worldwide and two new museums abroad — the Deutsche Guggenheim Berlin, housed in the ground floor of the Deutsche Bank headquarters, and a museum in Bilbao, Spain, which has become a major focal point in the Basque region's redevelopment effort along Bilbao's industrial waterfront and nearby business districts.

For more information about the lecture, call 935-6200.

Missouri declares Thurtene Week as students prepare for carnival

Funnel cakes, facades and the Phi Delt movie. Throw in a Ferris wheel and fun and you've got the main ingredients for the unique Washington University recipe known as Thurtene Carnival.

This year's event, which continues the tradition of the nation's oldest and longest-running student-operated carnival, will be held from 11 a.m. to 8 p.m. Saturday and Sunday, April 18 and 19, on the campus parking lot at Millbrook and Skinker boulevards. There is no admission fee, although tickets will be sold for the rides. The theme for the event is "On Top of the World!"

The week leading up to the carnival (known to the participants as "Lot Week") has been declared "Thurtene Carnival Week" by the State of Missouri. It is during this week that the North Brookings Hall parking lot is transformed into a playground for the imagination of countless people in the St. Louis and surrounding areas. This year, it

is expected that more than 100,000 people will attend the carnival.

Popular traditions of Thurtene Carnival will continue, including the presence of nine facades, scenic walls from which students will perform skits; 14 major rides, including five kiddie rides; a spread of food ranging from ethnic edibles to chocolate-covered bananas; and more than 15 game booths.

The net proceeds generated by Thurtene Carnival will benefit Child Center of Our Lady, a behavioral health care organization that cares for young children who suffer from a variety of psychiatric disturbances, including depression, personality and behavioral disorders and attention deficit disorders.

More than 40 sororities, fraternities and student groups have purchased carnival lot spaces, where, on Monday, April 13, they began building the facades as well as the food and game booths.

Highlights of the carnival include a 15-minute fireworks show, best viewed near Brookings Hall outside of the parking lot at 8 p.m. Saturday, April 18; a visit by several members of the St. Louis Rams and the St. Louis Rams cheerleaders Sunday, April 19; and live broadcasts by radio personalities, who will have booths at the carnival both days.

As always, the Thurtene honorary will present awards for the best performance at a facade, the best food and the best game booth — as well as the coveted Burmeister Cup for best overall participation in the carnival.

Thurtene, which was founded in 1904, is the University's junior honorary. Members are chosen on the basis of outstanding leadership, character and participation in campus activities. The carnival itself has roots that stretch back to 1907.

For more information, call Max Liszt at 935-3014 or Jennifer Martz at 935-2799.

Economics conference set for April 17-19

Leading researchers in the burgeoning field of experimental economics will converge on Washington University Friday through Sunday, April 17-19, for a conference exploring how individual and group choices are affected by the dynamic processes of bargaining and learning.

One of the fastest growing branches of the social sciences, experimental economics is based on the notion that individual decisions, such as those to buy, sell or trade goods, are based on more than simple greed, and that these more subtle influences on decision-making can be studied through controlled experiments in the laboratory.

Do people bargain differently if the concept of fairness becomes involved? Do males and females have different perceptions of how to bargain? Do the institutions of various countries affect their ability to learn and implement more effective forms of economic

organization, thus leading some to prosper, others to fail?

These are among the issues to be discussed at the gathering, which is sponsored by the Business, Law and Economics Center at the John M. Olin School of Business and the Center in Political Economy in Arts and Sciences.

Scholars visiting campus to speak at the conference are James Andreoni, University of Wisconsin-Madison; Gary Bolton, Pennsylvania State University; Rachel Croson, Wharton School of Business, University of Pennsylvania; John Van Huyck, Texas A&M University; John Kagel, University of Pittsburgh; Kevin McCabe, University of Arizona; Rosemarie Nagel, Universitat Pompeu Fabra, Barcelona, Spain; and Charles R. Plott, California Polytechnic State University.

Washington University is well-represented at the conference, including a discussion led by Douglass C. North, Ph.D., the

University's Spencer T. Olin Professor in Arts and Sciences and co-recipient of the 1993 Nobel Memorial Prize in Economic Science.

Other University presenters are:

- William P. Bottom, Ph.D., professor of organizational behavior at the business school;
- James A. Holloway, coordinator of experimental computing at the business school;
- Scott McClurg, graduate student in Arts and Sciences;
- Gary J. Miller, Ph.D., professor of political science in Arts and Sciences;
- Ambar Rao, Ph.D., Fossett Distinguished Professor of Marketing at the business school; and
- Eyal Winter, Ph.D., associate professor of economics in Arts and Sciences.

Registration is required. For more information, contact Joanne Spitz at 935-4183 or via e-mail at spitz@mail.olin.wustl.edu.

Nobel laureate Leon N. Cooper to speak April 22

Leon N. Cooper, winner of the 1972 Nobel Prize in physics, will deliver Washington University's Eugene Feenberg Memorial Lecture at 4 p.m. Wednesday, April 22, in Room 201 Crow Hall. His talk, titled "Confessions of an Unrepentant Reductionist: What the Laws of Physics Don't Tell Us," is free and open to the public.

Cooper, the Thomas J. Watson Sr. Professor of Science at Brown University, will discuss his view of the meaning of reductionism and propose an answer to the question: To what extent can all of our experience be explained by 'laws' of physics?

As founder and director of

Brown University's Institute for Brain and Neural Systems, Cooper leads an interdisciplinary group of scientists in the study of brain function, paving the way for the design of the next generation of intelligent systems for use in pharmaceuticals, electronics, automobiles and communications. He discovered the phenomenon known as Cooper Pairing, which provides the foundation for understanding superconductivity. He also has made pivotal contributions to the theory of learning and memory storage in neural systems.

The Eugene Feenberg Memorial Lecture was established in honor of the late Washington University professor who retired as the Wayman Crow Professor of Physics in 1975 after teaching nearly 30 years in Arts and Sciences. A pioneer in the application of quantum mechanics to complex systems, Feenberg was noted for his contributions to nuclear theory, approximation methods and the theory of quantum fluids.

For more information on the lecture, call 935-6208.

Take Our Daughters to Work — from page 1

"Each year we've had a larger turnout with men and women from all over campus taking this opportunity to open the University's doors to these girls," Baker was one of the original organizers of this event on campus.

Always held the fourth Thursday in April, previous Take Our Daughters to Work Day events have attracted more than 16 million participants nationwide. Participation at the University was brought to campus in 1994 by the Women Administrators Brown Bag Lunch Group, an informal organization of non-academic women administrators that meets once a month. The College of Arts and Sciences is helping with any costs associated with this year's event.

This year's theme is "Imagine a

Day." The event will expose girls to positive role models and will help them learn about the opportunities open to women in various fields.

On-campus activities designed to cultivate the career interests of girls include talks by women professionals in the fields of health, theater, engineering, art and athletics. The girls can take a behind-the-scenes tour of Edison Theatre, attend short opera performances by University students, tour the earthquake and robotics labs at the School of Engineering and Applied Science and check out some unusual World Wide Web sites in the computer lab at Olin Library.

For more information and to register, contact Marilyn Chill at 935-5476. — Martha Everett

Campus Watch

The following incidents were reported to University Police from April 6-12. 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 <http://rescomp.wustl.edu/~wupd>.

April 8

9:28 a.m. — A food service employee reported that a cash bag containing \$323 had been stolen from the Umratskellar April 7.

5:56 p.m. — A student reported threatening behavior by an unknown male in the weight room at the Athletic Complex. Police were unable to locate the person.

April 11

12:31 p.m. — A student reported the theft of a backpack from the Athletic Complex. Total value of the contents was set at \$222.

University Police also responded to two additional reports of theft, two reports of vandalism, one report of trespassing and a minor auto accident.

For The Record

For The Record contains news about a wide variety of faculty, staff and student scholarly and professional activities.

Of note

David I. Gottlieb, Ph.D., professor of anatomy and neurobiology and associate professor of biochemistry and molecular biophysics, has received a \$17,000 award from the Johns Hopkins Center for Alternatives to Animal Testing for a project titled "ES-Derived Neurons and GLIA: A Novel Cell Line Model for CNS Testing."

Physics major **Brice C. Smith**, who graduated in fall 1997 from the School of Engineering and Applied Science, will receive the 1998 Senior Prize from the Department of Physics in Arts and Sciences at a ceremony following Commencement this May. The physics department presents the prize annually to the most outstanding graduating physics major. Sophomore **Patrick Underhill**, a physics and chemical engineering major in the engineering school, will receive the physics department's Varney Prize, which is given for outstanding work in introductory physics. The prize, given in memory of longtime physics professor Robert N. Varney, will

be presented during the annual Feenberg lecture Wednesday, April 22.

On assignment

Curtis J. Milhaupt, J.D., associate professor of law, is participating in a Korea unification project sponsored by the Korea Economic Research Institute. The two-year project, involving three interdisciplinary teams of scholars from South Korea, the United States and Germany, is designed to create a "blueprint for nation-building" applicable to a unified Korean peninsula. The project will draw on the German experience with unification and culminate in a book-length analysis of legal, economic and socio-political issues for use by Korean policy makers. Milhaupt is responsible for analyzing the privatization of North Korean state enterprises and its impact on corporate structure and governance in a unified Korea. The project began with an organizing conference in Munich. It will meet in U.S. and South Korean cities during the next 18 months.

Henry I. Schvey, Ph.D., professor and chair of the Performing Arts Department in Arts and Sciences, recently directed the New Jewish Theatre's inaugural production of "A Body of

Water." Schvey also had a short story titled "The Funeral" published in First Harvest, a collection of Jewish writing in St. Louis.

Chancellor **Mark S. Wrighton** has been appointed to a four-year term on the Commission on Institutions of Higher Education (CIHE) of the North Central Association of Colleges and Schools (NCA). The 100-year-old NCA is a not-for-profit, voluntary membership organization of elementary, secondary and post-secondary institutions devoted to the improvement of education through evaluation and accreditation. The CIHE accredits nearly 1,000 higher education institutions in a 19-state region, including Missouri. As a commissioner of the CIHE, Wrighton will be responsible for decisions on the accreditation of institutions, for the formulation of commission policies and for overseeing commission operations.

Speaking of

Darrell M. Berg, Ph.D., visiting associate professor of music, delivered a lecture titled "C.P.E. Bach and Anna Louisa Karsch" at the March conference "Carl Philipp Emanuel Bach's Sacred Music and the Circulation of his Works in East Europe in the 18th and 19th Centuries." This year, the

conference, held biennially in Frankfurt an der Oder, Germany, also included sessions in Sagan and Zielona Gora, Poland.

To press

The fifth edition of "Labor Agreement Negotiations" by **Ray Hilgert, D.B.A.**, professor of

management and industrial relations, recently was published by Dame Publications Inc. Based on materials from actual union-management negotiations, the book is the basis for a realistic negotiation simulation during which students or other participants develop and apply negotiating and conflict-resolution skills.



DAVID ALBER

Robot honors

Engineering undergraduate students **David Discher** and **Karen Reed** check the workings of their robot, which took "Most Sensationally Decorated" honors at the 1998 W.J. "Jerry" Sanders Creative Design Competition, held in March at the University of Illinois-Urbana. Thirty-four teams nationwide competed, including six teams from the University. Discher and Reed's robot took seventh place; the team of **Jae Marsh** and **Alan Baldwin** placed third.

Business school to honor five distinguished alumni

The John M. Olin School of Business will honor five alumni at its 12th annual Distinguished Alumni Awards dinner Thursday, April 23, at the Ritz-Carlton St. Louis, Clayton.

The event will begin with cocktails at 6 p.m., followed by dinner at 6:45 p.m. and the program at 7:45 p.m. Emceeing the awards presentation will be **Stuart I. Greenbaum, Ph.D.**, dean of the business school.

To be honored are **Carl Louis Alexander Beckers** and **Frank J. Bush Jr.**, who will each receive the Dean's Medal awarded to special friends whose dedication and service to the school have been exceptional, and **Joseph W. Glik**, **Sidney Guller** and **Louis G. Hutt Jr.**, who will receive Distinguished Alumni awards honoring business school alumni who have attained distinction in their careers.

Beckers, who received a bachelor's degree in business in 1928, provided pivotal leadership as president of the Olin Alumni Association from 1980 to 1982, helping galvanize the alumni community and providing a strong foundation for the business school's current success. In 1932, he began his professional career as a financial analyst with St. Louis Union Trust Co., now

NationsBank, and retired as vice president in 1972. During business trips to Japan, he developed an abiding interest in Pacific Rim countries, and for 25 years, he was honorary consul general in St. Louis for Japan. He established the St. Louis Society of Financial Analysts, and for 37 years, he was a lecturer and coordinator for the investments course at the Graduate School of Banking, a two-week summer course held at the University of Wisconsin-Madison. After retiring, he founded Beckers and Meyer Inc., which evaluates the stock value of privately held corporations. Active in that firm and many University activities, Beckers has chaired all of his class reunions.

Bush, who received a bachelor's degree in business in 1930, describes himself as a "born-again alumnus." He had maintained loose ties with the business school prior to his class' 50th reunion, but during that 1980 event, he decided to kick his involvement into high gear. He joined the Eliot Society, the Olin Alumni Association Board and the Alumni Board of Governors. In addition, he chairs the Washington University Association. He began his career in 1930 by working at Lawton-Byrne-Bruner Inc., a property and casualty insurance firm now part of

Marsh & McLennan Inc. He worked without pay for two months, as was common then, before becoming a paid salesman for the firm. He built a reputation for outstanding salesmanship, and he retired from the firm 49 years later as a vice president.

Glik, who received a bachelor's degree in business in 1950, has a heritage of success in retailing. His grandfather, father and mother pioneered Glik's stores, offering moderately priced clothing, in St. Louis and Madison, Ill. When Glik returned from the U.S. Navy in 1945, he attended the University, played on its football team and worked at the family store. In the early 1950s, he expanded the business into strip shopping centers, and today Glik's operates 56 stores in Missouri, Illinois, Indiana, Ohio and Michigan. Three of Glik's four children work in the family business, and, when he became the company's chief executive officer in 1991, he turned over most management responsibilities to his children. In 1993, he received the Small Business Award from Arthur Andersen LLP.

Guller, who received a bachelor's degree in business in 1947, has helped Essex Industries Inc. grow from a company that began by designing and building radio noise filters for jet planes

into 10 companies with annual sales of \$40 million. Upon graduation, he joined the family business, which initially focused on products such as precision valves, fittings, switches and fuel-delivery systems for military aircraft before successfully translating many products to additional markets. Now, for example, the company, headquartered in south St. Louis County, also supplies valves used in life-support systems in emergency vehicles and fuel systems used in race cars. Guller, who is chairman of the board, chief financial officer and treasurer of Essex, has maintained strong ties with the University.

Hutt received a bachelor's degree in business in 1976. After graduation, he became an auditor in the St. Louis office of the international accounting firm Ernst & Ernst (later Ernst & Whinney and now Ernst & Young)

and qualified as a certified professional accountant. He later moved to Baltimore, where he taught at Morgan State University as part of Ernst & Whinney's faculty loan program to predominantly African-American colleges. Hutt then obtained a law degree from the University of Maryland. He began his private law practice and with Charles Bennett, MBA '76, formed Bennett, Hutt & Co., an accounting firm in Columbia, Md., and Albuquerque, N.M. Hutt is managing partner of the firm, which focuses on closely held businesses and individual clients. He has been active in the African-American community, and he serves on the University's Board of Trustees and its National Advisory Board on the recruitment of African-American students.

For more information on the event, contact Sandra Jurgenson at 935-5179.

Medical school faculty members receive tenure

The following School of Medicine faculty members have been granted tenure via promotion or appointment during the current school year. The effective date for each is July 1, 1998, unless noted otherwise in parentheses.

Promotion with tenure

David P. Cistola, M.D., Ph.D., to associate professor of biochemistry and molecular biophysics

Farrokh Dehdashti, M.D., to associate professor of radiology

Lucian V. Del Priore, M.D., to associate professor of ophthalmology and visual sciences

Robert J. Gropler, M.D., to associate professor of radiology

Marin H. Kollef, M.D., to associate professor of medicine

David A. Leib, Ph.D., to associate professor of ophthalmology and visual sciences

Mark E. Lowe, M.D., Ph.D., to associate professor of pediatrics

Peter D. Lukasiewicz, Ph.D., to associate professor of ophthalmology and visual sciences

Steven B. Miller, M.D., to associate professor of medicine

Joseph W. St. Geme III, M.D., to associate professor of pediatrics

Herbert W. Virgin IV, M.D., Ph.D., to associate professor of pathology

Gabriel Waksman, Ph.D., to associate professor of biochemistry and molecular biophysics (effective March 6, 1998)

Susan R. Wenthe, Ph.D., to associate professor of cell biology and physiology (effective March 6, 1998)

David B. Wilson, M.D., Ph.D., to associate professor of pediatrics

Granting of tenure

Leonard Berg, M.D., as professor of neurology

Victoria J. Fraser, M.D., as associate professor of medicine (effective March 6, 1998)

Lawrence G. Lenke, M.D., as associate professor of orthopaedic surgery (effective March 6, 1998)

Martin B. Wax, M.D., as associate professor of ophthalmology and visual sciences

Appointment with tenure

Richard A. Chole, M.D., Ph.D., as Lindburg Professor and head of the Department of Otolaryngology (effective Feb. 1, 1998)

Timothy J. Eberlein, M.D., as Bixby Professor and head of the Department of Surgery (effective March 6, 1998)

Campus Authors

The following is a recent release available at the Campus Bookstore in Mallinckrodt Center on the Hilltop Campus or at the Washington University Medical Bookstore in the Olin Residence Hall. For more information, call 935-5500 (Hilltop Campus) or 362-3240 (School of Medicine).

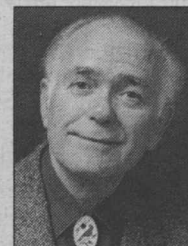
Family Matters, Tribal Affairs

(University of Arizona Press, 1998)

Carter Revard, Ph.D., professor emeritus of English in Arts and Sciences

Carter Revard was born in the Osage Indian Agency town of Pawhuska, Okla. One of seven children, he completed his first eight grades in a one-room country school, working as a janitor, farmhand and greyhound trainer through high school. He won a radio quiz scholarship to the University of Tulsa, was awarded a Rhodes Scholarship and, in 1952, was given his Osage name by his grandmother and the tribal elders.

How his family coped with the dizzying extremes of the Great Depression and the Osage Oil Boom and with small-town life in the Osage hills is the subject of "Family Matters, Tribal Affairs." It is about how Revard came to be a writer and a scholar, how his Osage roots have remained alive, about the alienation of being an Indian who "didn't look Indian" and about finding community, even far from home. It is also an exploration of how he and other American Indian writers are, with words, making places to live — in poems, novels and essays, as well as on reservations and in cities. Above all, "Family Matters, Tribal Affairs" is a book about identity, about an Osage son who grew up to find that the world is neither Indian nor white, but many colors in between.



Opportunities & personnel news

Hilltop Campus

Information regarding these and other positions may be obtained in the Office of Human Resources, Room 130, at West Campus. Job openings may be accessed via the World Wide Web at cf6000.wustl.edu/hr/home. If you are seeking employment opportunities and are not currently a member of the Washington University staff, you may call our information hotline at 935-9836. Staff members may call 935-5906.

Operations/Communications Assistant 980253. *Center for the Study of American Business.* Requirements: high school diploma, some college preferred; strong working knowledge of database management (proficiency in Access, Excel and Word software preferred); familiarity with PageMaker, Photoshop and computer scanning preferred; good analytical skills; good written and oral communication skills; ability to work effectively with faculty, administrators and others; excellent attention to detail.

Licensing Case Coordinator 980254. *Center for Technology Management.* Requirements: bachelor's degree, master's preferred; excellent computer skills (PC Windows platform); communications skills; organizational ability; willingness to work as part of a team; attention to detail.

Academic Secretary 980255. *Political Science.* Requirements: some college, degree preferred; ability to organize, set priorities and follow up on details; ability to work on several projects simultaneously; excellent interpersonal and computer skills; knowledge of University procedures preferred.

Administrative Aide 980257. *Engineering Student Services.* Requirements: high school diploma, some college preferred; working knowledge of PC (Windows, word processing and database programs preferred); typing skills (50 wpm); good communication skills; ability to work with public; service and detail oriented; ability to work in busy office. Responsibilities include inputting, setting up and maintaining computer and paper files of prospective and current students, alumni and companies for undergraduate admissions, dual degree and

career services; assisting career services with new job listings, master recruiting schedule distribution to students and alumni, corporate recruiter visits and compilation of materials for interviews; typing and filing correspondence and reports; assisting with major mailings.

Gyn Nurse Practitioner 980258. *Student Health Services.* Requirements: bachelor's degree; three to five years experience. Responsibilities include examining and treating patients in the Gynecology Clinic.

Earth and Planetary Sciences Library Assistant 980260. *Olin Library.* Requirements: bachelor's degree (preferably with concentration in earth sciences, geology or geography) or equivalent experience; library science courses and/or library work experience; good typing skills; experience with microcomputers or information technology preferred; proven ability to work effectively with faculty, students, staff and public; strong service orientation; experience working as part of a team; ability to work independently with minimum supervision, to analyze situations effectively, to use judgment appropriately and to organize work flow; strong verbal and written communication skills; flexibility and adaptability to various work schedules and changing environments.

Communications Technician I 980261. *Communications Services.* Requirements: high school education, some college preferred; training and/or experience in concepts of operation and maintenance of communications equipment; physical strength for strenuous work and heavy lifting; ability to detect and differentiate the telephone color code; willingness to work flexible hours and overtime; use of personal vehicle might be required (with mileage reimbursement). Position requires possessing and maintaining a valid driver's license throughout employment and carrying a pager 24 hours a day; seven days a week for emergencies.

Accountant 980262. *Billing and Collections.* Requirements: bachelor's degree in accounting or finance with minimum three years professional accounting experience; excellent interpersonal skills; good team skills; self-motivation; ability to meet deadlines; excellent written and verbal communication skills; knowledge of fund accounting and experience in Focus preferred.

Medical Campus

The following is a partial list of positions available at the School of Medicine. Employees interested should contact the medical school's Department of Human Resources at 362-7196 to request applications. External candidates may call 362-7195 for information regarding applicant procedures or may submit resumes to the Office of Human Resources, 4480 Clayton Ave., Campus Box 8002, St. Louis, MO 63110. Job openings also may be accessed via the World Wide Web at <http://medicine.wustl.edu/wumshr>.

Technician 981175. Requirements: bachelor's degree in chemistry or biology or three years experience in a biology research lab or related field; experience in molecular biology and/or immunohistochemistry preferred; ability to work from written protocols and follow instructions; manual dexterity; ability to work with other laboratory staff, unit staff and principal investigators. Responsibilities include conducting experiments using fluorescence microscopy to examine cells and tissues; performing minor surgery on small rodents; preparing solutions; placing orders for supplies; maintaining complete and organized records and reports. Flexible hours possible; 40 hours per week preferred but fewer could be negotiated.

User Support Manager 981200. Requirements: bachelor's degree or equivalent in computer science with five years related experience; supervisory and helpdesk experience; working knowledge of varied hardware and software and related LAN equipment. Responsibilities include supervising and coordinating activities of team that provides support to computer users; analyzing, designing, implementing and maintaining optimum configuration of computer systems; performing routine and emergency maintenance on applications; hiring, training, supervising and evaluating performance of user support personnel; keeping current on developing technologies and recommending upgrades.

Associate Systems Manager 981276. Requirements: high school diploma or equivalent.

lent, additional training and some college preferred; three to five years experience in information systems management; working knowledge of mainstream languages, databases, systems, operations and related applications. Responsibilities include installation, configuration and administration of all departmental personal computing systems;

assisting systems manager in maintaining system performance, system security, hardware/software utilities and capacity planning; providing assistance with system configuration proposals and service requirements; installing, configuring and troubleshooting PC and Macintosh software and peripherals.

Q&A

Addressing employee questions concerning the University community

Q: It's been a while since we've heard anything about the Research Support Services Assessment Project. Where does this project stand?

A: This project was launched in October 1997 by a specially created faculty steering committee. To evaluate our current research support services, the steering committee asked an in-house project team, with the assistance of a consulting group, to poll all faculty members and to conduct focus groups and personal interviews with a representative subset of the faculty. The goal was to gather detailed information about the services faculty members feel are crucial to supporting their efforts to apply for, win and

effectively manage research grants and contracts. The project team also gathered data on the business of research as well as analyzed work flow and process maps. The project team has completed the data gathering and now is synthesizing those data into a concise report that will be presented to the steering committee in late May.

Look for an announcement about the steering committee's final recommendations in a later edition of the Record.

— **Theodore J. Cicero, Ph.D.**
Vice Chancellor for Research

Questions that have broad appeal to the University community should be submitted to Betsy Rogers, Campus Box 1070. Questions will be answered by the appropriate administrators. Though employee questions will appear anonymously in the Record, please submit your full name, department and telephone number with your typed question. For information, call 935-6603.

Social work students cited for innovative field work projects — from page 1

candidates for the outstanding practicum awards, which recognize students whose practicum projects have demonstrated self-motivation, professional growth, teamwork, responsibility and a concern for client welfare.

The 1997-98 outstanding practicum winners by area of concentration are:

Health: Sophia Flynn Stanford, for work with critically ill patients in clinics operated by the U.S. Department of Veterans Affairs. Supervisors credit Stanford with

“tenacity and determination” and a “very high level of professional competence in working with very complicated situations.”

Mental Health: Tracy Bronik, for field work with a chemical dependency services clinic at Barnes-Jewish Hospital. Bronik developed an innovative treatment program for alcohol- and drug-dependent clients, some of whom also suffer from schizophrenia and other mental problems.

Children and Youth: Angel Yuen, for practicum projects

with the obstetrics and gynecology outpatient clinic at Barnes-Jewish Hospital and with New York Foundling, a New York City-based skilled nursing facility for children. Yuen carried out her responsibilities in a “self-motivated and highly professional manner” while exhibiting a high degree of “dedication to families and children,” noted one supervisor.

Gerontology: Mor Schwarz, for her work with senior citizens and the Boone County Council on Aging in Columbia, Mo. “Mor’s caring and accepting attitude is

valued by all of her clients,” wrote a supervisor at the council, which offers free assistance to older adults struggling to remain independent in their own homes. “She listens with her ears, mind and heart and hears what is being said by more than just words.”

Social and Economic Development: Sarah Hicks, for work as a social services assistant in the Indian Child Welfare program of the Bureau of Indian Affairs in Washington, D.C., and for two practicum projects working with low-income residents in the Forest Park Southeast neighborhood, where she won praise for developing new neighborhood programs, including a job fair for community residents.

Individualized Concentration: Cobi Weikel, for practicing the use of information management techniques to organize resource and referral systems for non-profit organizations. For the United Way of

Greater St. Louis, she developed a classification system and database for a nonprofit resource center to be used by nonprofit organizations across the region. She also worked with the National Children’s Cancer Society and the Alzheimer’s Association.

Maria Munguia-Wellman is the 1997-98 recipient of the **Kahn Award**, which is given annually to a graduating student who has provided exceptional volunteer services to the local community over and above field work normally required of all social work students. Munguia-Wellman earned the award for volunteer work with a wide range of community organizations, including a Hispanic youth group that she helped found two years ago. Munguia-Wellman also is involved with dozens of other local, regional and national nonprofit and community service organizations.

— **Gerry Everding**

Caribbean lizard study yields key findings — from page 1

In Puerto Rico’s Luquillo Forest, for instance, one anole species has extremely short legs and crawls slowly on narrow twigs; another has long legs and runs rapidly on the ground; a third lives in the grass. Moreover, species that live high in the trees tend to have big toepads, important for clinging, whereas ground-dwelling lizards have small toepads. These are extreme examples of the different types of lizards, known as habitat specialists.

The interesting thing is that Cuba, for example, has the same set of habitat specialists as Puerto Rico, yet none of them is the same species as its counterpart in Puerto Rico. The same is true on all four islands, for the most part.

Losos and his colleagues developed the family tree to test two theories on how the lizards evolved. One possibility is that each of these habitat specialists evolved only one time. For example, the twig specialist might have evolved on a single large island that then fragmented into the four islands that exist today, or it might have evolved on one island and then managed to cross the Caribbean to colonize the other islands. If this were the case, then each of the specialists would

have evolved only a single time. The other possibility is that each of the specialists has evolved repeatedly on each island.

The lizard family tree strongly suggests the second mechanism.

In Science, Losos and his colleagues report that the anole evolutionary tree shows the habitat specialists from the different islands are not closely related genetically, despite exact similarities in their physical traits.

“Our results are very clear-cut that similar communities on the different islands have evolved independently,” Losos said. “The same habitat specialists on different islands are not closely related, and that’s very interesting because it suggests that there is something about the environment on these islands that elicits similar evolutionary responses on each island. This is rare proof of a community convergence, in which each habitat specialist on the different islands is identical.”

The study is believed to be the first well-documented case that shows both communities and habitat specialists in the communities to be similar, a very difficult thing to find in nature. For instance, there are various parts of the world where the Mediterranean Climate occurs — South Africa, Chile, southern California and parts of Australia, as well as Mediterranean regions. Botanists studying plants have long searched to find plant communities with matching components and distribution patterns, but in most cases the plants and their communities evolved differently in the various regions, despite having the same warm, generally wet climate. The differences heavily outweigh the similarities.

“The lizard populations on the islands not only have very similar communities, but they are composed of identical habitat specialists, and that’s really unique,” said Losos. “The biggest surprise of our result is that it is opposite to a general trend in evolutionary biology in which evolution proceeding in different areas or times leads to very different results.”

Todd Jackman, Ph.D., a postdoctoral researcher, and Allan Larson, Ph.D., professor of biology, contributed to the study, along with Kevin de Queiroz, Ph.D., a curator at the National Museum of Natural History, and Lourdes Rodriguez-Shettino of the Institute of Ecology and Systematics, Havana.

— **Tony Fitzpatrick**

Managed care symposium planned

The current and future status of managed care will be highlighted in an April 24 symposium to be held at the School of Medicine in the Eric P. Newman Education Center, 320 S. Euclid Ave. William A. Peck, M.D., executive vice chancellor for medical affairs, dean of the medical school and symposium chair, and Vic Turvey, president and chief executive officer of United Healthcare of the Midwest Inc., will be the featured speakers at the event, which begins at 4:30 p.m.

Titled “Future Directions in Managed Care: Academic and Industry Perspectives,” the symposium began primarily as an educational program for medical students and evolved into a program for the entire University community, said Thomas H. Gallagher, M.D., instructor in medicine and the symposium’s organizer.

The symposium also will include a panel discussion and a reception that begins at 6:15 p.m. Panelists will include James P. Crane, M.D., associate vice chancellor for clinical affairs and chief executive officer of the Faculty Practice Plan at the medical school; Samuel R. Nussbaum, M.D., executive vice president of medical affairs and systems integration at BJC Health System; and Peter L. Slavin, M.D., president of Barnes-Jewish Hospital.

Gallagher said presenting a balanced picture of managed care is one of the main goals of the symposium. “There are lots of misconceptions about managed care,” he said. “We’re hoping to present managed care’s strengths and weaknesses objectively and academically.”

For more information, call 454-8638.