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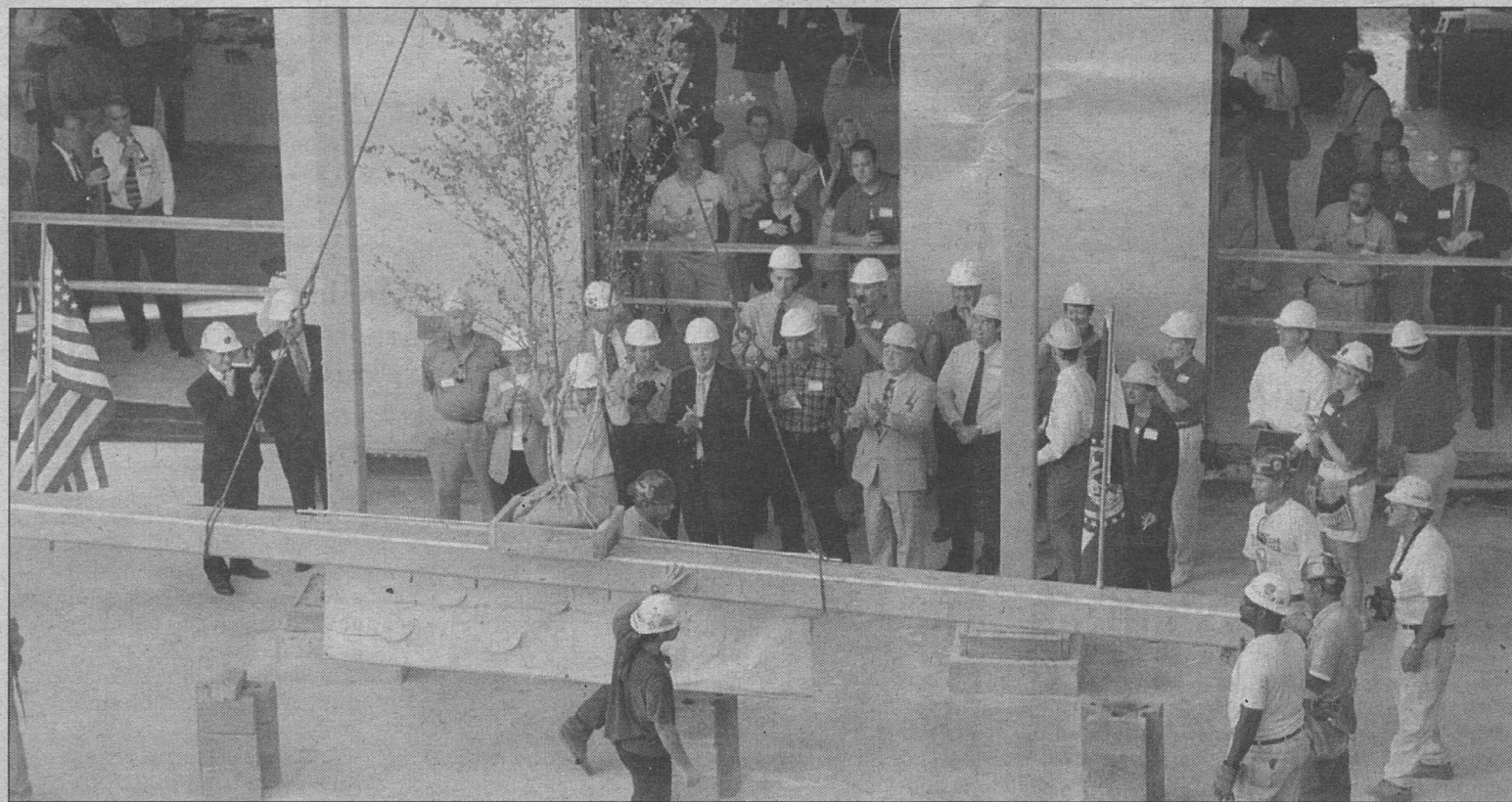
# Record

Sept. 22, 2000

Volume 25 No. 4



Washington University in St. Louis



**Beam me up** University officials and other well-wishers cheer the hoisting of the final steel beam for the five-story Charles F. Knight Executive Education Center at the John M. Olin School of Business Sept. 13. The \$50-million building will offer mid- through senior-level executives a facility with classrooms, study areas, lounges, dining, a fitness room and overnight lodging. The center, on the north side of the Hilltop Campus, is set for completion next spring.

## SBC gift \$2 million aids Knight Center at Olin School

By BARBARA REA

**T**he John M. Olin School of Business has received a \$2 million grant from SBC Foundation, according to Chancellor Mark S. Wrighton. The gift, to be distributed over 10 years, will support the construction of the Charles F. Knight Executive Education Center. Completion of the five-story building is expected in early 2001 at an estimated cost of \$50 million.

"Washington University would not enjoy its present stature without the kind of partnerships we have formed with companies such as Southwestern Bell Telephone and its parent company, SBC Communications," Wrighton said in acknowledging the gift. "We are grateful for the wonderful support from SBC Foundation, which will enhance our ability to provide high-quality education for executives in this region."

Executive education programs continue to grow at major business schools as an increasing number of middle- and upper-level managers embrace lifelong learning and return to the classroom.

"This gift will assist in the creation of a much-needed facility to expand Olin's executive education programs," said Stuart I. Greenbaum, Ph.D., dean of the business school. "The building will enable us to fulfill our commitment to career-long learning, and, through the executives we educate, we can contribute to the vitality of the entire business community."

The school intends to expand

See SBC gift, page 7

## Opportunity knocking Tyson's call to students, faculty

By TONY FITZPATRICK

**J**onathan B. Losos, Ph.D., associate professor of biology in Arts & Sciences and director of the University's Tyson Research Center, is issuing a challenge to Washington University students and faculty: Come out and study at Tyson. He is inviting not just scientists, but the whole arc of scholars at the University.

"How we use the Tyson Research Center can make us stand apart from all universities," Losos said. "It's a resource that very few universities have — a sizeable field station within a 25-

minute drive of campus. Most universities with field stations have them 100, 200 miles away, but Tyson is here on our doorstep. It's conceivable that students can come out and conduct field studies in the morning and be back for classes in the afternoon."

A number of new developments are likely to increase the pace of activities at Tyson substantially. This fall, John Parks, Ph.D., a newly hired post-doctoral researcher, will join the center. Parks will be teaching a course on ecology and sponsoring research projects there. The biology department is also in the process

of hiring a faculty member in the area of ecology.

Another addition is David Larson, who fills the newly created position of field station manager. Larson, who has a master's in biological sciences from California State Polytechnic University, Pomona, managed a similar site in California for 12 years. He brings to Tyson a wealth of experience and knowledge in areas as disparate as ornithology, fire management and air pollution studies.

Along with the new faces, Tyson recently announced the creation of the Sexton Research

Fund, named for Professor Emeritus Owen J. Sexton, Ph.D., Losos' immediate predecessor as Tyson director. Grants from the Sexton Fund will support undergraduate research projects at Tyson on the natural history of vertebrates, Sexton's research specialty.

"We are seeing more commitment from the University regarding Tyson," Losos said. "We'd like to see more from students and faculty. Our attitude is that we will do everything possible to facilitate the use of Tyson for both research and teaching."

The Tyson Research Center

See Tyson, page 6

## Chris Byrnes appointed to Skinner professorship

By TONY FITZPATRICK

**C**hristopher I. Byrnes, Ph.D., dean of the School of Engineering and Applied Science, was installed as the first Edward H. and Florence G. Skinner Professor in Systems Science and Mathematics Sept. 20 in a Lopata Hall Gallery ceremony.

Byrnes' field is systems science and control. Among his research interests are feedback design in automatic control, nonlinear dynamics and control, and estimation and filtering. He has applied his research over two decades in aerospace, electrical power systems, signal processing and speech synthesis, among other areas.

"It is fitting that Dean Byrnes receive this distinction in light of his dedication to his field and the school and University he represents," said Chancellor Mark S. Wrighton. "He is known far and wide for his research, teaching and leadership skills and the commit-

ment and enthusiasm he brings to each. I am especially impressed that the senior faculty of the Department of Systems Science and Mathematics recommended Dean Byrnes to me as the most deserving recipient of this new professorship in their department. Chris Byrnes will honor the Farrow family as the Skinner Professor."

The professorship was established by Florence Skinner Farrow in honor of her parents. Farrow's mother, Florence Garrell Schade Skinner, graduated from Washington University in 1902 with a degree in civil engineering. She was said to be the only woman civil engineer in St. Louis. She married Edward Skinner, whom she had met at the University, later the same year. Florence Skinner died in 1906 at the age of 24, following an illness after the birth of her daughter.

Farrow's father attended the University and received a medical

See Byrnes, page 6



**Sampling artists' fare at the art fair** Tracy Kodner, a senior in the School of Art, served as an intern with the annual St. Louis Art Fair earlier this month as part of its Artist Mentoring Program. Kodner shadowed Ohio ceramics artist Jenny Mendes, helping to unpack work and set up her booth; next year Kodner will have the opportunity to return with a booth of her own. The program is the brainchild of Ron Fondaw, professor of art and director of the ceramics major area, who also serves on the board of the St. Louis Art Fair.





**Honored** Chancellor Mark S. Wrighton (right), law school Dean Joel Seligman, J.D. (left), the Ethan A. H. Shepley University Professor, and John F. McDonnell, chairman of the University Board of Trustees, congratulate John Owen Haley, LL.B., LL.M. (center), and his wife Karin Haley on Haley's installation as the Wiley B. Rutledge Professor of Law Monday, Sept. 18. The chair is named in memory of Rutledge, shown in the portrait, who served as the law school's dean and a U.S. Supreme Court justice.

## Birthplace of the stars

### Dust gives glimpse of solar system's history

By BRIAN SCHNALL

Washington University researchers studying interplanetary dust particles (IDPs) have recently discovered deuterium/hydrogen (D/H) ratios in the particles reaching an unprecedented 50 times the terrestrial value. These observations indicate that cluster IDPs, or microscopic fragments of comets and asteroids, represent the most primitive solar system material available for laboratory analysis.

The dust particles, collected in the upper atmosphere by NASA aircraft, contain remnants of materials that existed during the formation of the solar system 4.5 billion years ago. By studying these complex particles, scientists hope to gain insight into the history — and the prehistory — of the solar system.

Scott Messenger, Ph.D., senior research scientist in physics at the University's McDonnell Center for Space Sciences, suggests that the high D/H ratios are due to the presence of material surviving from the molecular cloud that gave birth to our solar system. The high ratios result from a process called isotopic fractionation,

which takes place during chemical reactions at low temperatures, where the difference in mass between deuterium and hydrogen becomes important.

From the D/H ratios, Messenger infers that an environment with "extremely low temperatures must have been present during the formation of this material, and not many places in the universe have such conditions," he said. "This must take place in vast molecular clouds, light years across, the birthplace of stars."

Messenger's preliminary results appeared in the journal *Nature*, and he presented an update at the American Chemical Society's August annual meeting in Washington, D.C.

One of the goals for this work is to use these particles as probes of interstellar material — to study molecular cloud chemistry in the laboratory. Such materials must have survived the violent processes of solar system formation, and remained unaltered for billions of years on their parent body (comet or asteroid).

Determining how pristine this material is remains a more difficult question. But the isotopic differences provide an important

clue. "Isotopic evidence and understanding the chemical form of the deuterium-rich materials is crucial," Messenger said. "You have to know that before determining where things come from."

"If you find material that hasn't changed or been compromised isotopically in some way, you'd have material from all over the galaxy," he explained.

Unfortunately, the dust particles collected are on the order of nanograms in size, and determining the individual chemical composition of material that small still remains an unsolved challenge for modern technology. When complete chemical analysis becomes possible, scientists will be able to make inferences about the composition of interstellar clouds as well.

Currently, IDPs are the only source of cometary materials, but the Jet Propulsion Laboratory's Stardust spacecraft is now en route to collect material from comet Wild-2. The spacecraft will catch dust particles from the tail of the comet in January 2004 and parachute them in a re-entry capsule back to Earth in 2006.

## Famed scholar Huston Smith to speak

Huston Smith, widely regarded as one of the most eminent authorities on the history of religions, kicks off a series of three lectures sponsored by the Religious Studies Program in Arts & Sciences Oct. 2.

Smith, who is best known for his book "The World's Religions," will speak on "Spirituality in the New Millennium" at 11 a.m. in Graham Chapel. The lecture is free and open to the public. Smith will follow with a student lecture, titled "Huston Smith's Spiritual Journey," at 2:30 p.m. in the Women's Building Lounge.

"The World's Religions" was originally published in 1958 as "The Religions of Man," and remains one of the most widely used college textbooks on religion. It has been translated into 12 languages, selling over 2 million copies. Smith also has authored six other books on psychology, religion and philosophy — most recently one titled "Beyond the Post-modern Mind."

He has taught at Washington

University, the Massachusetts Institute of Technology, Syracuse University and the University of California, Berkeley. He has produced award-winning documentary films on Hinduism, Sufism and Tibetan Buddhism. In 1996 he was featured on Bill Moyers' five-part Public Broadcasting System special, "The Wisdom of Faith With Huston Smith."

The series will continue with an Oct. 31 lecture by Darielle Mason, the Stella Kramrisch Curator of Indian and Himalayan Art at the Philadelphia Museum of Art. Mason's talk, to be held at 1:30 p.m. in Room 118 Brown Hall, is co-sponsored by the Department of Art History and Archaeology in Arts & Sciences.

Mason will speak on "A Portion of Heaven," exploring the form and meaning of the great temples of India built between the 8th and 13th centuries. In Hinduism, the temple is the palace of God, inhabited by a heavenly retinue. The sculptures that cover the

temple, inside and out, work together with the building to compose a complex whole. Mason will reunite verbally the beautiful fragments seen in museums with the fascinating structures of which they were once an integral part.

The series will conclude Nov. 16 when J. Patout Burns presents the Edward G. Welton Lecture on Early Christianity. Burns, who taught at the University from 1990 to 1999 as the Thomas and Alberta White Professor of Christian Thought and professor of classics in Arts & Sciences, also chaired the University's Religious Studies Program from 1993 to 1999. Burns currently teaches at Vanderbilt University. He also has taught at Loyola University in Chicago and the University of Florida.

Burns' research focuses on Christianity in Roman Africa. Burns serves as co-editor of the *Journal of Early Christian Studies*.

For more information on the Smith lecture, call 935-5156. For information on the Mason and Burns lectures, call 935-5166.

## Looking ahead

### GWB celebrates past by moving into future

By ANN NICHOLSON

**F**raming Social Work Agendas for the Future" is the theme of a practice-oriented scholarly conference Oct. 6-7 to mark the George Warren Brown School of Social Work's 75th anniversary. The conference will take place in conjunction with the school's alumni banquet and other events commemorating its long battle for social justice.

"The George Warren Brown community has earned the right to celebrate with pride the accomplishments of its faculty, staff, students and alumni," said Dean Shanti Khinduka, Ph.D. "In its distinguished history, the school has contributed greatly to social work research, education and community service."

Dedicated to training outstanding practitioners and scholars, the school consistently places at the top of social work school rankings. But rather than dwelling on the past, it is celebrating its anniversary with a look ahead.

"It is important to realize that our world is changing at an amazingly fast pace," Khinduka observed. "If the school is to continue its leadership role, we cannot afford to rest on our laurels. We must look ahead and begin preparing for the issues that will shape social work in the next millennium."

In keeping with this theme, keynote speaker Kenneth Prewitt, director of the U.S. Census Bureau, will discuss "Census 2000: A New Picture of America." Prewitt will focus on the social implications of dramatic demographic shifts during a lecture at 3:30 p.m. Oct. 6. Peter H. Raven, Ph.D., the University's Engemann Professor of Botany and director of the Missouri Botanical Garden, will lecture on "The Social Consequences of Our Changing Environment" at 11:45 a.m. Oct. 7. Both keynote addresses will be in Brown Hall auditorium.

Other conference highlights are seven roundtable discussions and 24 panel discussions covering such issues as information technology and social work practice, productive aging, women's mental health, social work and spirituality, racial and cultural diversity in the new millennium, international social welfare trends, and neighborhood empowerment.

"A main focus of the conference will be how social work can more effectively involve communities and residents in every level of social work policy and

practice," said David L. Cronin, Ph.D., associate dean for administration and chair of the conference planning committee. "There's been a major shift away from simple problem-solving and toward programs that encourage long-term community development and capacity building, and those themes are strongly reflected in our conference offerings."

The conference will feature 119 practitioners and academics serving as session chairs and presenters, including numerous alumni, 24 social work faculty and six professional staff members. Two students will serve as master of ceremonies for the plenary session and alumni banquet.

The conference theme underscores the school's long-standing commitment to innovative research, education and community service projects, which will continue to guide the profession in responding to social challenges of the future.

Before the October conference, the school and its faculty hosted

several major academic symposia about research and policy issues. Topics included:

- expanding initiatives to base social work practice on empirical evidence;
- effects of welfare reform on American Indians;
- ways of expanding asset-building strategies for the poor; and
- impact of globalization on a nation-state's role in economic and social development.

Other anniversary events have included a film festival highlighting social issues in cinema and the ongoing "Advocates for Change: 75 Years of Journalism and Social Work" exhibit of 76 St. Louis Post-Dispatch editorial cartoons on social policy issues.

In more than two decades as a social work dean, Khinduka has witnessed dramatic changes in the school, the profession and the world. Preparation for change will continue to be essential, he said.

"Social work practice will need to be more evidence-based, more linked to specific positive outcomes in the community," he said. "Rather than simply alleviating short-term suffering, we must focus our efforts on helping people learn to help themselves, on building the internal capabilities and capacities of the individuals, families and communities that we serve."

The conference and banquet are open to registered participants. Sessions begin at 8:30 a.m. Oct. 6 and run through 4:30 p.m. Oct. 7. For more information on conference schedules and reservation fees, call Diane Broste at 935-4780 or visit the school's Web site ([www.gwbweb.wustl.edu](http://www.gwbweb.wustl.edu)).

## Record

Washington University community news

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Washington University in St. Louis



## Medical School Update

### Valve replacement benefits elderly

By GILA RECKESS

School of Medicine researchers have found that patients age 80 and older benefit from aortic valve replacement. They reported their findings in the Sept. 19 issue of the surgical supplement of *Circulation*.

Many people of that age develop problems with their aortic valve, the "door" to the blood vessel that transports blood away from the heart. As a result, they are prone to fatal complications such as congestive heart failure, or sudden death.

Surgical replacement of the aortic valve is a relatively common procedure for younger patients. Physicians hesitate to recommend it for patients over 80, however. According to Thoralf M. Sundt III, M.D., many cardiologists fear that elderly individuals either will not survive surgery or that the trauma of surgery will degrade the patient's quality of life.

Sundt is first author of the *Circulation* paper and an associate professor of surgery.

This concern is valid, he said, because surgery is more risky for the elderly. But his study suggests that the benefits might outweigh the risks.

He and his colleagues examined data from all 133 patients age 80 and older who had their aortic valves replaced at the medical school between Jan. 1, 1993, and April 31, 1998. The oldest patient was 91. The researchers contacted most of these patients between July 1, 1998, and Nov. 1, 1999, for questions about recovery and quality of life.

Eleven percent of the patients had died within 30 days of the operation, 80 percent had survived for one year, and 55 percent had survived for at least five years. Quality-of-life

scores were roughly the same as those estimated for the general population age 75 and older. Patients who previously had suffered a stroke and patients with chronic obstructive pulmonary disease fared less well than the others.

"Functional outcome after aortic valve replacement in patients more than 80 years old is excellent, the operative risk is acceptable, and the late survival rate is good," the authors concluded.

Quality of life is key for this elderly population, Sundt said. "They don't expect to live forever. But they don't want to be short of breath while climbing stairs or working in the garden," he said. He believes this study provides evidence that aortic valve replacement can significantly improve the lives of these elderly people.

"Although the risks and costs are higher, these people do benefit," he said. Costs are higher

because very elderly people often spend longer in the hospital than younger patients undergoing aortic valve replacement.

The researchers now are collecting quality-of-life information from elderly patients both before and after surgery.

However, Sundt believes the current publication provides sufficient evidence that the procedure should be offered to patients, regardless of age. "I would like to see all 80-year-olds offered this surgery as a possibility. Then they can make informed decisions," he said.

Sundt also is involved in developing a new Aortic Center at the medical school. The center will focus on thoracic diseases and will serve as a resource for patients in the Midwest to help ensure adequate medical attention and follow-up. For more information, contact Cindy Camillo at 362-8008.



Sundt: Benefits outweigh risks

**"I would like to see all 80-year-olds offered this surgery as a possibility. Then they can make informed decisions."**

THORALF M. SUNDT

### Building brings programs together



The \$20 million Pediatric Research Building, at the corner of Children's Place and Euclid Avenue, provides six floors of pediatric research laboratories.

Amid much fanfare, the new McDonnell Pediatric Research Building was dedicated Sept. 13 during an afternoon program at the Eric P. Newman Education Center.

"This facility will help us capitalize on our research strengths and stimulate the application of modern basic science and technology to improve our understanding of clinical problems in children," said Alan L. Schwartz, M.D., Ph.D., the Harriet B. Spoehrer Professor and head of the Department of Pediatrics and pediatrician-in-chief at St. Louis Children's Hospital. The program was followed by tours of the new \$20 million facility.

The building consolidates pediatric research activities into one building at Washington University Medical Center. The School of Medicine and St. Louis Children's Hospital have worked together on medical research and pediatric health care for more than eight decades.

Until now, pediatric research at the medical center has been conducted in five separate sites. The 10-story, 226,000-square-foot building, at the corner of Children's Place and Euclid Avenue, provides six floors of pediatric research laboratories for new programs and the expansion of existing ones. The building is designed to provide investigators opportunities for creative interdisciplinary research by allowing clinicians and clinical investigators to work side by side with basic scientists.

The first floor houses the Washington University School of Medicine Bookstore and Cafe, and other floors house medical school research.

### Paying tribute Service honors Memory and Aging volunteers

By GILA RECKESS

On Sunday, Sept. 17, the Memory and Aging Project held a memorial service to honor those who donated their brains for autopsy and other

participants in the project. Faculty, students, participants and family members joined at the Salem-in-Ladue United Methodist Church for an emotional tribute to deceased loved ones and the research they helped advance.

Alzheimer's disease affects an estimated 4 million people in the United States, with roughly 39,000 diagnosed cases in the St. Louis area. There is no known cure for this disease, and post-mortem examination is the only way to diagnose patients with 100 percent certainty.

Founded in 1979, the St. Louis Memory and Aging Project is now part of the Alzheimer's Disease Research Center (ADRC). The center conducts long-term research on all forms of dementia, including Alzheimer's disease, and follows both patients and healthy volunteers until death. Many arrange to donate their brains to the center for autopsy.

According to John C. Morris, M.D., the importance of this memorial service is twofold. "We would like to underscore our appreciation of this gift and acknowledge the immense value of the gift of the brain for research study," said Morris, the Harvey A. and Dorismae Hacker Friedman Professor of Neurology and co-director of the ADRC.

Terri Hosto, clinical social worker and co-coordinator of the service, said volunteers are initially attracted to the center because of its clinical and research excellence. "The memorial service helps them see

how they contribute to that expert knowledge," she said.

As the only reliable form of diagnosis, autopsy results confirm or contradict clinical evaluations. This validation allows researchers to improve their understanding of current treatments and helps guide future efforts toward prevention strategies.

The results also provide family members with definitive information about their loved one's medical history and often help them feel a sense of closure. For Charlotte Shelburne, a speaker at Sunday's service whose husband and mother-in-law both participated in the Memory and Aging Project, autopsy results gave her peace of mind. "It helped to really know for sure what was wrong and that it couldn't have been fixed," she said.

But the main sentiment at the memorial service was gratitude.

During the service, family members expressed their thanks to the ADRC team for their support and medical care, and faculty members and students from the School of Medicine shared their personal experiences with the deceased. Arie Perry, M.D., assistant professor of pathology, also gave two vocal performances.

"These folks are motivated because they want to help others," said Daniel W. McKeel Jr., M.D., associate professor of pathology. "In this day and age, that sort of spirit is truly special. The very minimal thing we can do is say 'thanks.'"

### Creative strategy catches hypertension early

By DAVID LINZEE

Health-care professionals have found a novel way to warn men who are unaware they have hypertension: checking blood pressure in obstetricians' waiting rooms.

Hypertension prematurely ages arteries and can lead to strokes, heart attacks and kidney failure, often without warning. "Recent surveys indicate that 50 million people in this country have hypertension, but only 12.5 million are being adequately treated," said Steven B. Miller, M.D., senior author of a paper in the September issue of *American Journal of Hypertension*. Miller is an associate professor of medicine at

at the School of Medicine.

Women of childbearing age frequently are screened for hypertension during routine gynecological checkups and prenatal care. But men in that age group often see no reason to visit a physician. They often accompany pregnant women, however. "So we went to obstetricians' offices and asked the men in the waiting rooms if we could take their blood pressure," explained Daniel R. Martin, research instructor of medicine and first author of the paper.

In four obstetricians' offices, the researchers screened 191 men ranging in age from 15 to 69. Most (79 percent) of the men were between 20 and 39. Forty of the 191 men (21 percent) had elevated

blood pressure.

But only two of the 40 (5 percent) and one man whose blood pressure was normal were aware of a history of the condition. That awareness level is much lower than in previous screening studies. Miller and colleagues believe the difference might be explained by the fact that all their subjects were men and most were young. Therefore, these men were unlikely to have made a recent visit to a physician.

Hypertension is twice as common among men as among women between 18 and 39 years. But young men generally don't seek medical care unless for acute conditions, when high blood pressure is likely to be dismissed as situational, Miller said. All too often, a man doesn't find out about his hypertension until he has had it for decades. By then, it could have seriously damaged his organs.

If detected early, hypertension can be treated effectively. And measuring blood pressure is a simple, quick and inexpensive procedure. "Health-care professionals just need to keep looking for innovative opportunities to screen people," Miller said. "Otherwise, these men could go for years without getting treatment."

### Euclid becomes Ovid Online Oct. 1

The Bernard Becker Medical Library is changing the electronic tool used for searching and retrieving biomedical journal literature. The switch from Euclid to Ovid Online will start Oct. 1. Among the first to be affected are researchers and clinicians who have standing search strategies, such as SDI-Auto Alerts, that notify them via e-mail of new

journal articles in their fields. Strategies will be carried over into the new system but changes made during October, such as adding or deleting an author name to a strategy, will not be saved.

The transition will be completed by Nov. 1. An article about Ovid Online, the new search engine, will appear in the Oct. 27 Record.



# University Events

## 'The Host Is Toast' • Amphibians • Spirituality • Urbanism • Woman to Woman

"University Events" lists a portion of the activities taking place at Washington University Sept. 22-Oct. 4. Visit the Web for expanded calendars for the School of Medicine (medschool.wustl.edu/events/) and the Hilltop Campus (ef6000.wustl.edu/calendar/events/).

### Exhibitions

**"Eleanor Antin: A Retrospective."** Through Nov. 12. Gallery of Art. 935-4523.

### Film

#### Monday, Sept. 25

**6 p.m. Chinese Film Series.** "The Savage Land." Room 219 Ridgley Hall. 935-5156.

#### Tuesday, Sept. 26

**6 p.m. Near Eastern Film Series.** "Noa at Seventeen." Room 219 Ridgley Hall. 935-5156.

#### Wednesday, Sept. 27

**7 p.m. Eleanor Antin Film Series.** "The Last Night of Rasputin" and "From the Archives of Modern Art." Gallery of Art. 935-5490.

#### Monday, Oct. 2

**6 p.m. Japanese Film Series.** "The Family Game." Room 219 Ridgley Hall. 935-5156.

#### Tuesday, Oct. 3

**6 p.m. Near Eastern Film Series.** "The Destiny." (English subtitles.) Room 219 Ridgley Hall. 935-5156.

#### Wednesday, Oct. 4

**7 p.m. Eleanor Antin Film Series.** "Music Lessons." Gallery of Art. 935-5490.

### Lectures

#### Friday, Sept. 22

**9:15 a.m. Pediatric Grand Rounds.** "Emergency Department Asthma Management: Back to the Future." Dee Hodge III, assoc. prof. of pediatrics and assoc. dir. of clinical affairs for emergency. Clifton Aud., 4950 Children's Place. 454-6006.

**Noon. Cell biology and physiology seminar.** "Lysyl Oxidases in Matrix Development: Characterization of the mLO-1 and mLO-2 'Knockout' Mice." Ian Kerst Hornstra, asst. prof. of dermatology. Room 426 McDonnell Medical Sciences Bldg. 362-2254.

**Noon-1 p.m. Gastroenterology research conference.** "Pathobiology of Neutrophil-epithelial Interactions." James Madara, the William Patterson Timmie Prof. and chair of pathology and laboratory medicine, Emory U. School of Medicine. Room 901 Clinical Sciences Research Bldg. 362-8951.

**2 p.m. Molecular genetics thesis defense.** "Characterization of Dipeptidyl Peptidase IV (DPP-IV) as an Inhibitor of Melanoma Invasion." Charit Pethiyagoda, graduate student. Room 3907 South Bldg. 362-2763.

**4 p.m. Anatomy and neurobiology seminar.** "Preclinical Alzheimer's Disease." Joseph L. Price, prof. of anatomy and neurobiology. Room 928 McDonnell Medical Sciences Bldg. 362-7043.

**4 p.m. Hematology seminar.** "The Mannose 6-Phosphate 'Uncovering Enzyme' Resides in the Trans-Golgi Network." Rosalind H. Kornfeld, prof. of medicine and of biochemistry and molecular biophysics. Room 8841 Clinical Sciences Research Bldg. 362-8801.

**4 p.m. Music dept. lecture.** "Mahler's First Symphony: Some Musicological Issues." Paul Banks, prof. of music, Royal College of Music, London. Room 102 Music Classrooms Bldg. 935-4841.

#### Monday, Sept. 25

**Noon-1 p.m. Molecular biology and pharmacology seminar.** "Molecular Models of Vertebrate Limb Evolution." Jeremy Gibson-Brown, asst. prof. of

## 'Literary St. Louis' debuts — guide to St. Louis letters

By LIAM OTTEN

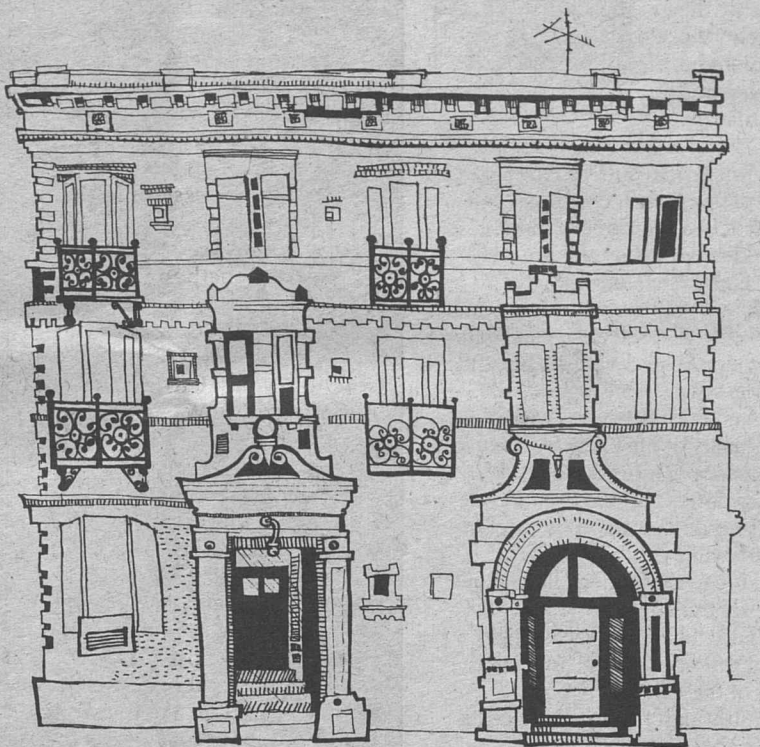
St. Louis is awash in literary history. Kate Chopin and T.S. Eliot were born here; West Point classmates Ulysses S. Grant and William T. Sherman — dedicated memoirists both — were posted at Jefferson Barracks; Tennessee Williams graduated from University City High School and took playwriting classes at Washington University.

And while Mark Twain's career as a riverboat pilot is familiar territory, perhaps less widely known is Theodore Dreiser's stint as drama critic for the St. Louis Globe-Democrat. Or the Shaw neighborhood apartment where "Joy of Cooking" author Irma Rombauer began to entertain. Or the courthouse steps where the bankrupted Evening Dispatch newspaper was auctioned for a mere \$2,500 to a young, would-be publisher named Joseph Pulitzer.

These stories and more can be found in "Literary St. Louis," the most definitive guidebook yet published on St. Louis' surprisingly rich literary heritage. The lavishly illustrated volume, compiled by the International Writers Center (IWC) in Arts & Sciences, profiles more than 50 authors who have lived and worked in the region, ranging from the world-renowned to the famous-in-their-day to the fascinatingly obscure.

The book also provides a chronology of noteworthy literary happenings that stretches from the return of the Lewis and Clark expedition in 1806 to the death of native son and Beat-era author William S. Burroughs just two years ago.

"Literary St. Louis" is edited by author and essayist William H. Gass, Ph.D., director of the IWC



The Glass Menagerie Apartments, 4633 Westminster Place, was the first of many residences that Tennessee Williams' family occupied after moving to St. Louis in 1918. This drawing, by recent School of Art alumna Emily Pyle, accompanies the chapter on Williams in the International Writers Center's guidebook "Literary St. Louis," published this month by the Missouri Historical Society Press.

and the David May Distinguished University Professor Emeritus in the Humanities, and Lorin Cuoco, the IWC's associate director.

"We've been gathering material for this project since the Writers Center was founded in 1990," Cuoco said. "The criteria were simple: writers had to be deceased and had to have spent enough time in St. Louis to have the city give meaning to their work."

The book is organized by geographic region, containing chapters on "Downtown," "Midtown," "The Central West

End," "University City and Clayton" and "The Outer Limits." Also included are maps and descriptions of both existing and lost sites of historic interest.

"Working on this book has been wonderful but also sad," Cuoco noted, explaining that more than one notable structure has been torn down in the last year alone. "It's amazing how quickly these places can become parking lots if people aren't paying attention."

The volume includes 17 original illustrations as well as

more than 100 photographs culled from the archives of the University, the Missouri Historical Society and, in some cases, from the collections of surviving relatives.

"We tried to hunt down unique yet representative images," Cuoco explained, noting the example of Martha Gellhorn, a newspaper correspondent during the Spanish Civil War, who is shown in a 1926 John Burroughs School graduation portrait. (Gellhorn also was one of three St. Louis women to marry Ernest Hemingway.) Media theorist Marshall McLuhan is pictured descending the steps of St. Louis' New Cathedral in a 1939 wedding photo.

The production of "Literary St. Louis" was a cooperative venture among faculty, staff and alumni from across campus. Ken Botnick, associate professor of graphic design in the School of Art and director of the Nancy Spirtas Krantzberg Studio for the Illustrated Book, designed the volume. Illustrations are by School of Art alumna Emily Pyle (BFA '99), Michelle Komie (BA, BFA '97), program coordinator for the IWC, served as curator of photos.

In addition, several Washington University students and alumni made significant contributions to the text. These include Komie, Matt Bar (AB '00) and Derek Webster (MFA '98) as well as seniors Todd Borlik, Max Eisenstein and Chris Lawton and junior Meg Hoester.

The paperback volume retails for \$19.95. It will be published in late September by the Missouri Historical Society Press and will be available at most local bookstores. For more information or to place advance orders, call the book's distributor, the University of Missouri Press, at 1-800-828-1894.

biology. Room 3907 South Bldg. 362-2725.

**4 p.m. Biology seminar.** "The Host Is Toast: The Neuroethology of Acoustic Parasitism in Insects." Ron Hoy, neurobiology and behavior dept., Cornell U., Ithaca, N.Y. Room 322 Rebstock Hall. 935-6860.



**4 p.m. Immunology Research Seminar Series.** "Regulation of Lymphocyte Function by Signaling Mechanisms." Andrew Chan, assoc. prof. of medicine and pathology, Eric P. Newman Education Center. 362-2763.

**4 p.m. Physics seminar.** "Electronic and Thermoelectric Properties of Bandgap Intermetallic Phases." S. Joseph Poon, physics dept., U. of Virginia. Room 241 Compton Hall (coffee 3:45 p.m.). 935-6276.

**5:30 p.m. Radiology lecture.** Eighth Annual G. Leland Melson Lecture. "Ultrasound Evaluation for Ectopic Pregnancy." Barbara Hertzberg, prof. of radiology and assoc. prof. of obstetrics and gynecology, Duke U. Medical Center, Durham, N.C. Scarpellino Aud., first floor, 510 S. Kingshighway Blvd. 362-2866.

#### Tuesday, Sept. 26

**Noon. Molecular Microbiology and Microbial Pathogenesis Seminar Series.** "Metalloproteinases in Epithelial Defense." William C. Parks, prof. of pediatrics and assoc. prof. of medicine and of cell biology and physiology. Cori Aud., 4565 McKinley Ave. 362-7059.

**4 p.m. Pain Center seminar.** "Functional Maturation of Newly Formed CNS Synapses." Guosong Liu, asst. prof. of brain and cognitive science and biology, Center for Learning and Memory, MIT. Room 5550 Clinical Sciences Research Bldg. 362-8560.

#### Wednesday, Sept. 27

**6:30 a.m. Orthopaedic surgery lecture.** "The Use of Fresh Osteochondral

Allografts for Post-traumatic Knee Defects." Alan Gross, chief of orthopaedic surgery and prof. of surgery, Mt. Sinai Hosp. and the U. of Toronto. Scarpellino Aud., first floor, 510 S. Kingshighway Blvd. 747-2562.

**8 a.m. Obstetrics and Gynecology Grand Rounds.** "Refugee Journeys: Considerations for Health Care Providers Serving New Refugee Women in St. Louis." Barbara Bogomolov, nurse, Refugee Health Services. Clifton Aud., 4950 Children's Place. 362-1016.

**11 a.m. Assembly Series.** Benjamin E. Youngdahl Lecture. Mike Peters, Pulitzer Prize-winning political and comic strip cartoonist. Graham Chapel. 935-5285.

**3:45 p.m. Physics colloquium.** "Moving Mirrors, Thermodynamic Paradoxes and Black Holes." Adam Helfer, assoc. prof. of mathematics, U. of Mo., Columbia. Room 204 Crow Hall (coffee 3:30 p.m., Room 241 Compton Hall). 935-6276.

**4 p.m. Biochemistry and molecular biophysics seminar.** "Protein Folding — As Simple as Possible (But No Simpler)." George Rose, prof. of biophysics and biophysical chemistry, Johns Hopkins U., Baltimore, Md. Erlanger Aud., McDonnell Medical Sciences Bldg. 362-0261.

**5:15 p.m. Mothers and Babies Research Center conference lecture.** "The Sulfated Carbohydrates on LH Are Critical for Reproduction." Jacques U. Baenziger, prof. of pathology and of cell biology and physiology. Room 36, third floor south, St. Louis Children's Hosp. 747-0739.

#### Thursday, Sept. 28

**11 a.m.-noon. Pulmonary and Critical Care Medicine Grand Rounds.** "Injury in the Era of Genomics." J. Perren Cobb, assoc. prof. of surgery. East Pavilion Aud., Barnes-Jewish Hosp. Bldg. 362-6904.

**Noon-1 p.m. Genetics seminar.** "The Road to the Human and Mouse Genomes: Four-wheel Drive Recommended." John D. McPherson, asst. prof. of genetics. Room 823 McDonnell Medical Sciences Bldg. 362-7072.

**2:30 p.m. Mechanical engineering seminar.** "The Science and Art of Designing With Composites." Alex Rubin, technical fellow, Boeing Corp. Room 100 Cupples II Hall. 935-7096.

**4 p.m. Assembly Series.** Thomas Hall Memorial Lecture. "Host-pathogen Biology and the Global Decline of Amphibians." James P. Collins, prof. and chair of biology, Ariz. State U. Room 215 Rebstock Hall. 935-5285.

**4 p.m. Chemistry seminar.** "Dendrimer-encapsulated Nanoparticles: Synthesis, Characterization and Applications to Catalysis." Richard M. Crooks, prof. of chemistry, Texas A&M U., College Station. Room 311 McMillen Lab (coffee 3:40 p.m.). 935-6530.

#### Friday, Sept. 29

**9:15 a.m. Pediatric Grand Rounds.** Annual Philip R. Dodge Lecture. "Scrambling, Doubling and Disabling the Human Brain: Genes That Regulate the Development of the Cerebral Cortex." Christopher A. Walsh, prof. of neurology, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston. Clifton Aud., 4950 Children's Place. 454-6006.

**Noon. Cell biology and physiology seminar.** "Osteoclasts, Integrins and Osteoporosis." Steven L. Teitelbaum, the William and Roswell Messing Prof. of pathology. Room 426 McDonnell Medical Sciences Bldg. 362-6950.

#### Monday, Oct. 2

**11 a.m. Religious studies and Asian and Near Eastern Languages and Literatures lecture.** "Spirituality in the New Millennium." Huston Smith, author. Graham Chapel. 935-5156.

**4 p.m. Immunology Research Seminar Series.** "Cellular Interactive Proteins

Influencing Retrovirus Pathogenesis." Lee Ratner, prof. of medicine, molecular microbiology and pathology. Eric P. Newman Education Center. 362-2763.



**7 p.m. Architecture Monday Night Lecture Series.** "CIAM Discourse on Urbanism, 1928-1960." Eric Mumford, asst. prof. of architecture. Steinberg Hall Aud. (reception 6:30 p.m., Givens Hall). 935-6293.

#### Tuesday, Oct. 3

**Noon. Molecular Microbiology and Microbial Pathogenesis Seminar Series.** "The *Listeria monocytogens* Hemolysin: The Intersection of Bacterial Pathogenesis and Cell-mediated Immunity." Daniel Portnoy, prof. of biochemistry and molecular biology, U. of Calif., Berkeley. Cori Aud., 4565 McKinley Ave. 362-7059.

**12:10-12:55 p.m. Physical therapy research seminar.** "Relationships Between Spasticity and Strength in Subjects With Spastic Diplegia Cerebral Palsy." Sandy A. Ross, senior physical therapist, BJC Human Performance Lab. Classroom B110, 4444 Forest Park Blvd. 286-1400.

#### Wednesday, Oct. 4

**11 a.m. Assembly Series.** Olin Conference. "Woman to Woman: Women's Relationships as Friends and at Work." Ruthellen Josselson, author and psychologist. Graham Chapel. 935-5285. See story on page 5.

**Noon-1 p.m. Genetics seminar.** "Whole Genome Assemblies of the *Drosophila* and Human Genomes." Gene Myers, Celera Genomics, Rockville, Md. Cori Aud., 4565 McKinley Ave. 362-7072.

**4 p.m. Biochemistry and molecular biophysics seminar.** "Protein Polymerization in the Round: Theoretical and Experimental Investigation of Virus Capsid Self-assembly." Adam Zlotnick, asst. prof.





# Author Ruthellen Josselson keynoting Olin Conference

Ruthellen Josselson, author and psychologist, will deliver the keynote address for the University's annual Olin Conference, titled "Woman to Woman: Women's Relationships as Friends and At Work." The keynote address, part of the Assembly Series, will take place at 11 a.m. Oct. 4 in Graham Chapel. The lecture is free and open to the public.

Josselson is the author of "Revising Herself: The Story of Women's Identity From College to Midlife," a longitudinal study of women's growth based on intensive interviews, and "The Space Between Us: Exploring the Dimensions of Human Relationships," a phenomenological study of how people connect with one another over a lifetime.

Josselson's most recent book, written with Terri Apter, is "Best Friends: The Pleasures and Perils of Girls' and Women's Friend-



## Assembly Series

**Who** Ruthellen Josselson

**Where** Graham Chapel

**When** 11 a.m. Oct. 4

**Admission** Free and open to the public

ships," exploring the unique characteristics of female interaction and its implications for relationships.

Josselson earned a doctoral degree in clinical psychology from the University of Michigan in 1972. She has taught psychology at The Hebrew University of Jerusalem, Harvard University and Towson State University in Maryland. Josselson is currently a member of the faculty of The Fielding Institute, Santa Barbara, Calif. She is the recipient of the Henry A. Murray Award from the American Psychological Association and a Fulbright Fellowship.

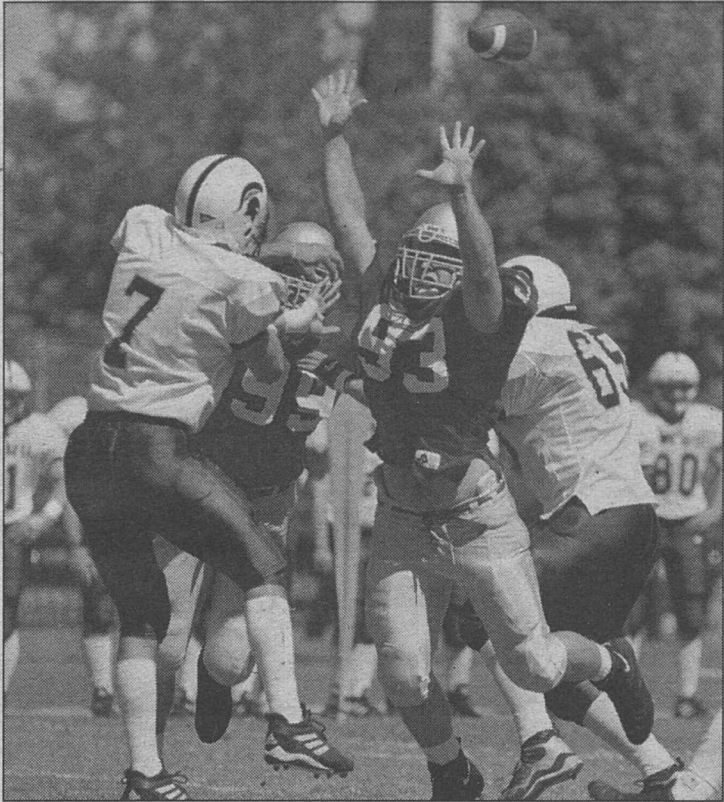
For more information, visit the Assembly Series Web page (<http://wupa.wustl.edu/assembly>) or call 935-5285.

## Football team wins 100th for Kindbom

Head coach Larry Kindbom picked up career win No. 100 as the Bears posted their second home shutout of the season with a 37-0 University Athletic Association victory over Case Western Reserve University (CWRU) Saturday, Sept. 16, at Francis Field. The Bear defense picked off Spartan quarterback Tom Kauffman (7) into an errant pass in the Bears' 37-0 whitewash of the Spartans Saturday, Sept. 16, at Francis Field. The victory raised the Bears' record to 2-1 and gave head coach Larry Kindbom his 100th collegiate win. Kindbom is 72-41 since coming to Washington University from Kenyon College in Ohio.

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## Sports Section



Putting the pressure on Bear junior Jason Steinmeyer (93) hurries Case Western Reserve University quarterback Tom Kauffman (7) into an errant pass in the Bears' 37-0 whitewash of the Spartans Saturday, Sept. 16, at Francis Field. The victory raised the Bears' record to 2-1 and gave head coach Larry Kindbom his 100th collegiate win. Kindbom is 72-41 since coming to Washington University from Kenyon College in Ohio.

## Offense explodes for men's team

The Bears played their usual stellar defense, limiting Wisconsin-Platteville to just three shots and one goal Friday, Sept. 15, but this match featured the explosive offense they had been lacking in the first four contests of the season as the Bears won, 7-1. Tied 1-1 as late as 10 minutes into the second stanza, WU scored six goals in the final 33 minutes of the contest. Freshman Steve Bujarski scored off a pass from senior captain Ian Klaus to break the tie. Bujarski's goal opened the floodgates for the Bears, as the team took off from there, adding five more goals to bury the visiting Pioneers.

## 2-2 in volleyball

The Bears were impressive in the first match each day of the WU National Invitational Sept. 15 and 16. Unfortunately, follow-up matches resulted in a 2-2 record and a third-place finish. WU quickly swept St. Francis in the opener Friday, 15-7, 15-8, 15-11. The nightcap versus No. 1 ranked Central College didn't go as well, as the Bears hit just .115 as a team and dropped to the defending national champions, 3-0 (9-15, 9-15, 2-15). In the third match of the

weekend, the Bears ran over No. 15 Ohio Northern University. WU hit an amazing .518 as a team, led by freshman Amy Brand's .893 hitting percentage with 25 kills. The Bears finished out the weekend on a poor note, dropping a four-game match versus University of Wisconsin-River Falls. The Bears, who dropped the first game but put it together in the second to hit .684, hit just .138 and .149 in games three and four to fall to No. 5 UW-River Falls.

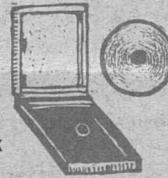
## Runners at stampede

The women's cross country team took an impressive second-place finish at the Missouri Southern Stampede last weekend, while the men wrapped up a solid seventh place finish out of 17 teams. For the women, freshman Emily Lahowetz continued to shine in her freshman season, taking top Bear honors with an eighth place finish and a time of 22 minutes, 50.20 seconds over the 6,000 meter course, 1,000 meters more than the women's usual run. Junior Beth Peterson and senior Susan Chou teamed up for 10th and 11th place, just six seconds apart.

## Music

### Saturday, Sept. 23

8 p.m. CD release party. "The Age of Possibility." Carrie Newcomer. Cost: \$12 in advance; \$14 at door. Sponsored by Residential Life. Duck Room, Blueberry Hill, 6504 Delmar Blvd., University City. 935-7576.



### Sunday, Sept. 24

4 p.m. Concert. The Intercollegiate Concert Band, WU Symphony Orchestra and WU Jazz Band perform. Brookings Quadrangle. 935-4841.

### Thursday, Sept. 28

8:30 p.m. Holmes Jazz Series. Reggie Thomas Duo. Holmes Lounge, Ridgley Hall. 935-4841.

### Sunday, Oct. 1

4 p.m. Friends of Music recital. Music for the classical guitar. Goh Kurosawa, guitarist. Alumni House, 6510 Wallace Circle. 935-5581.

## On stage

### Friday, Sept. 22

8 p.m. OVATIONS! Series. "Rome & Jewels." Rennie Harris PUREMOVEMENT. (Also Sept. 23, same time, and Sept. 24, 2 p.m.) Cost: \$25. Edison Theatre. 935-6543.

## Sports

### Sunday, Sept. 24

Noon. Women's soccer vs. Cornell College, Iowa. Francis Field. 935-5220.

### Sunday, Oct. 1

11 a.m. Women's soccer vs. Carnegie Mellon U., Pittsburgh, Pa. Francis Field. 935-5220.



1:30 p.m. Men's soccer vs. Carnegie Mellon U., Pittsburgh, Pa. Francis Field. 935-5220.

## Worship

### Friday, Sept. 22

11:15 a.m. Catholic Mass. Catholic Student Center. 6352 Forsyth Blvd. 935-9191.

### Friday, Sept. 29

11:15 a.m. Catholic Mass. Catholic Student Center. 6352 Forsyth Blvd. 935-9191.

### Wednesday, Oct. 4

10 p.m. Catholic Mass. Sponsored by Catholic Student Center. Park House Conference Room, South 40. 935-9191.

## And more...

### Saturday, Sept. 23

8 a.m. Physical Therapy Steven J. Rose Symposium. "Exercise Training for Patients With Selected Chronic Conditions." Three distinguished lecturers. Cost: \$60 (includes breakfast and lunch). Room B112, 4444 Forest Park Blvd. To register, call 286-1404.

9 a.m. "Strength for Caring" workshop. Provides support and education for spouses, family members and friends of cancer patients. Co-sponsored by the Alvin J. Siteman Cancer Center and WU School of Medicine. Our Lady of the Snows Shrine, Belleville, Ill. To register, call 286-1900.

### Monday, Oct. 2

4:30 p.m. The Siteman Cancer Center bereavement support program. For family and loved ones of cancer patients who have died in the past three months to two years. Allen Berger, staff chaplain in spiritual care, Siteman Cancer Center, and Tiffany Tibbs, psychological asst. at Siteman Cancer Center. (Continues Mondays through Nov. 20.) Registration required; call 286-1900.

6:30 p.m. University College short course. "Current Trends in Neighborhood Development." Donald J. Owens, dir., Community Schools, Rockwood School Dist. (Continues Oct. 9, 16 and 23.) Cost: \$80. Room 112 Eads Hall. 935-6759.

### Tuesday, Oct. 3

6:30 p.m. University College short course. "Understanding Plant Biotechnology: The Science and Controversy." Garland E. Allen, prof. of biology; Tuan-Hua David Ho, prof. of biology; and Eric Richards, assoc. prof. of biology. (Continues Oct. 10, 17 and 24.) Cost: \$80. Room 210 Eads Hall. 935-6759.



### Wednesday, Oct. 4

2 p.m. University College short course. "Elections 2000." Repps Hudson, political editor and business writer, St. Louis Post-Dispatch. (Continues Oct. 11, 18 and 25.) Cost: \$80. Room 30 January Hall. 935-6759.

## Poet Thom Gunn giving reading, colloquium

BY LIAM OTTEN

Thom Gunn, author of more than 30 volumes of poetry and essays, will be in residence for three weeks in October as the Visiting Hurst Professor in the Department of English in Arts & Sciences. During his stay, Gunn will conduct two events for the Creative Writing Program Reading Series — a reading Oct. 5 and a colloquium on the craft of poetry Oct. 12.

Both events are free and open to the public and take place at 8 p.m. in Hurst Lounge, Room 201 Duncker Hall.

Born in Britain in 1929 and raised in wartime London, Gunn served two years in the British Army and received a degree in English from Cambridge University. His first volume of poetry, "Fighting Terms," was published in 1954.

"That same year marked the turning point of my life — for it was then that I crossed the ocean and moved, permanently as it

turned out, to California," Gunn recalled. "I came as a graduate student to Stanford and later started teaching at the University of California at Berkeley, from which I retired in 1999. I have lived in San Francisco since 1961. It is thus for good reason that I call myself an Anglo-American poet."

According to fellow poet Carl Phillips, director of the Creative Writing Program and associate professor of English, "Thom Gunn's work fuses elegy and epigram, confession and social commentary, elegance and risk. Brash, witty, wise — all at once — Gunn has long been a poet whose range of form and of sheer vision is all too rare in contemporary poetry."

Gunn is the author of the celebrated volume "The Man



## Poetry Events

**Who** Thom Gunn

**Where** Room 201 Duncker Hall

**When** 8 p.m. Oct. 5 and 12

**Admission** Free and open to the public

With Night Sweats" (1993), which centers on both the homeless and people with AIDS. His most recent collection is "Boss Cupid" (2000), and his "Collected Poems" was published in 1994. Other volumes include "The Passages of Joy" (1982), "Jack Straw's Castle" (1976) and "Shelf Life" (1993), a book of essays. Among his many awards are a Lila Acheson Wallace/Reader's Digest Award and a MacArthur Fellowship.

A book signing will follow each reading, and copies of Gunn's works will be available for purchase. For more information, call 935-7130.



## Arts in Transit workshop to unveil MetroLink's new art opportunities

**"M**aking Connections," a half-day workshop aimed at demystifying the public art process, will take place at Steinberg Hall Auditorium from 10 a.m. to 2 p.m. Saturday, Sept. 23. The event is sponsored by Arts in Transit, a division of Bi-State Development Agency, and by the schools of Art and Architecture.

"Making Connections" will feature presentations by several local public artists and arts administrators and also will mark the unveiling of six new temporary public art opportunities along the Cross County MetroLink Extension, some of which are reserved exclusively for

emerging artists.

Speakers include Sarah Smith, director of Arts in Transit; Bob Hansman, associate professor of architecture; and W. Patrick Schuchard, the E. Desmond Lee Professor for Community Collaboration in the art school. Furthermore, a series of small group sessions will address such practical issues as developing budgets, setting timelines and engaging the community.

Cost is \$10, which includes lunch and workshop materials. Seating is limited. To RSVP or obtain further information, call the Arts in Transit offices at (314) 982-1413 or email ait@bsda.org.

## Tyson

### Director challenges faculty and staff

— from page 1

comprises some 2,000 picturesque acres of oak-hickory forest and Missouri prairie. It was conveyed to the University in 1963 by the U.S. government, which had used it primarily for munitions testing and storage during World War II and the Korean conflict.

Located just 20 miles from the St. Louis city limits off Interstate 44, Tyson is tucked away in the hills to the north of the highway. It is the core of a 7,500-acre ecological island between metro St. Louis and the sprawling southwestern suburban development stretching out to Six Flags St. Louis and beyond. The other 5,500 acres of greenspace are within neighboring state parks.

There are literally hundreds of species of flora and fauna in the Tyson domain. Scores of bird species maintain residence there, or, like the traveling songbirds, stop by during the spring and fall on their migratory treks. Foxes, coyotes, deer, turkeys, lizards, snakes, skinks, newts and frogs abound. Species range from 12 kinds of salamanders, 15 frogs and toads, 10 turtles, eight lizards, four skinks, two vipers and 17 snakes. Prairie plants, such as wildflowers and tall grasses, thrive in the grassy areas.

Sexton called Tyson "an opportunity knocking," and Losos hopes to make the knock even louder.

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mining village called Mincke Village and has an interesting Native American history, should appeal to a greater diversity of scholars.

"We feel that there is a lot to offer the University in Tyson's 2,000 acres, and we're enthused that we're going to make a more extensive use of it," Losos said. "Tyson provides a beautiful scenic and natural setting and has a long, rich history dating back to the Native Americans. Moreover, in our land-management decision-making process, we often have to negotiate with multiple government agencies, which often have conflicting demands. As such, Tyson presents study opportunities in fields as disparate as education, history, political science, English and the fine arts."

## Campus Watch

The following incidents were reported to University Police **Sept. 13-19**. Readers with information that could assist in investigating these incidents are urged to call **935-5555**. This release is provided as a public service to promote safety awareness and is available on the University Police Web site at [rescomp.wustl.edu/~wupd](http://rescomp.wustl.edu/~wupd).

### Sept. 14

9:54 a.m. — A staff member reported the theft of a computer monitor from Cupples II Hall. The loss is set at \$500.

### Sept. 15

8:07 p.m. — Two students were arrested for possession of marijuana.

### Sept. 17

12:23 a.m. — A student was

verbally harassed and then struck in the face as he walked through the Forsyth Boulevard underpass. He declined medical treatment.

University Police also responded to six additional reports of theft, two additional reports of assault, three reports of vandalism, two reports of attempted theft, and one report each of recovered property, auto accident, peace disturbance, public indecency and verbal threats.



**Getting involved** Activity was, indeed, the watchword at the Student Activity Fair, held Sept. 13 on the Olin Library sidewalk. The event was a matchmaking opportunity designed to give student groups an opportunity to recruit new members. Labeled an "overwhelming success" by Steve Malter, coordinator for programming and all-campus events, the fair featured more than 160 booths.

## Byrnes

### New chair set up in systems science

— from page 1

degree from Saint Louis University in 1904. He became a prominent physician in the Kansas City area. He was a founder of the Kansas City Southwest Clinical Society in 1923 and was a leader in several national radiological associations. He died in 1953.

Farrow was born in St. Louis and received a scholarship to the University. She earned a bachelor's in English with highest honors in 1926, followed by a master's in English a year later.

Farrow has been a generous benefactor of the arts and higher education, including Washington University and the engineering school. Many students attend the University on Florence Skinner Farrow endowed scholarships, and, in

addition to the Skinner professorship in systems science and mathematics, there also is a Joseph H. and Florence Farrow professorship in biomedical engineering.

In 1997, Farrow received the Dean's Medal, recognizing her outstanding support and lasting impact on the school. Farrow died Feb. 23, 1999, at the age of 93.

Byrnes was appointed dean of the engineering school July 1, 1991, and oversees 1,100 undergraduate students, 750 graduate students and a faculty of 85. He joined the faculty as professor of systems and control and chair of the Department of Systems Science and Mathematics in 1989.

Byrnes is a native of New York City. He received a bachelor's degree in mathematics from Manhattan College in 1971, and master's and doctoral degrees, also in mathematics, from the University of Massachusetts in 1973 and 1975, respectively. He began his academic career as

an instructor of mathematics at the University of Utah in 1975. He joined the Harvard University faculty in 1978 as an assistant professor with a joint appointment in the Department of Mathematics and the Division of Applied Science. He was promoted in 1983 to associate professor on the Gordon McKay Endowment in the Division of Applied Science.

He has also taught at Arizona State University and has held visiting appointments at institutions in Europe, Japan and the former Soviet Union, as well as in the United States.

A recipient of many honors, Byrnes was appointed honorary doctor of technology by Sweden's Royal Institute of Technology in 1998. Byrnes serves on the board of directors of several corporations and is chairman of the board of the Center for Emerging Technologies in St. Louis.

Byrnes and his wife, Catherine Morris Byrnes, have three children, Kathleen, Alison and Christopher Jr.

## Employment

Use the World Wide Web to obtain complete job descriptions. Go to <https://hr.wustl.edu/> (Hilltop) or <http://medicine.wustl.edu/wumshr> (Medical).

### Hilltop Campus

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

**Mechanic (bargaining unit employee)** 990271

**Director of Development/Executive Faculty Liaison** 990280

**Mechanic (bargaining unit employee)** 990342

**Science/Engineering Librarian** 990364

**Chemistry/Earth Sciences Libraries Assistant** 000099

**Sr. Prospect Researcher** 000212

**Lab Technician III** 000241

**Department Secretary** 000251

**Associate Director of Capital Projects** 000253

**Research Technician** 000256

**Administrative Assistant** 000278

**Sr. Research Assistant/Jr. Research Associate** 000297

**Department Secretary** 000323

**Research Assistant** 000341

**Facilities Administrative Coordinator** 000351

**Associate Director of Parent Programs** 000352

**Administrative Assistant** 000356

**Lab Technician III** 000363

**General Services Assistant** 000377

**Government Grants Specialist** 000382

**School Accountant** 010002

**Proposal/Profile Senior Specialist** 010012

**Word Processing Operator** 010013

**Department Secretary** 010016

**Retention and Academic Adviser** 010017

**Special Collections Assistant** 010019

**LAN Engineer** 010020

**Director of Communications** 010022

**Research Assistant** 010023

**Manager, Business Development** 010026

**Administrative Secretary** 010031

**Administrative Secretary** 010032

**Instructional Technology Specialist** 010033

**Facility and Services Coordinator** 010035

**Academic and Financial Analyst** 010038

**Administrative Assistant and Alternate Workflow Coordinator** 010039

**Data Entry Assistant (part time)** 010040

**Service Center Team Leader** 010042

**Cataloging Assistant** 010044

**Associate Director of Development** 010045

**Faculty Assistant** 010047

**Associate Director, Information Systems** 010049

**Library Technical Assistant** 010050

**Data Manager and Analyst** 010051

**Licensing Case Coordinator** 010052

**Assistant Graphic Designer** 010054

**Administrative Assistant and Alternate Workflow Coordinator** 010055

**Control Specialist** 010056

**Administrative Assistant** 010057

**Media Adviser** 010060

**Research Technician** 010061

**Director of Community Relations** 010062

**Coordinator for Greek Facilities** 010063

**Departmental Business Manager** 010064

**Financial Analyst** 010066

**Lab Technician** 010067

**Senior Regional Director of Major Gifts** 010068

**Director of Admissions and Marketing** 010069

**Departmental Secretary** 010070

**Administrative Assistant** 010071

**Mechanic (bargaining unit employee)** 010072-

**010073**

**News Writer/Assistant Record Editor** 010074

**Licensing Case Coordinator** 010075

**MBA Records Assistant** 010076

**Genetics Research Technician** 010077

**Lab Technician** 010078

**Seismic Data Analyst** 010079

**Coordinator: Protocol** 010452

**Secretary/Receptionist** 010081

**Campus Visit Coordinator** 010083

**Project Accountant** 010087

**Circulation Assistant** 010088

**Custodian, Lewis Center** 010089

### Medical Campus

This is a partial list of positions at the School of Medicine. Employees: Contact the medical school's Office of Human Resources at 362-7196. External candidates: Submit resumes to the Office of Human Resources, 4480 Clayton Ave., Campus Box 8002, St. Louis, MO 63110, or call 362-7196.

**Systems Manager** 010267

**Associate Systems Manager** 010447

**Coordinator: Protocol** 010452



## Notables

### Introducing new faculty members

The following are among the new faculty members on the Hilltop Campus. Others will be introduced periodically in this space.

**Douglas Chalker**, Ph.D., joins the Department of Biology in Arts & Sciences as assistant professor. He received a bachelor's degree in biology in 1986 from the University of California, Riverside, and a doctorate in 1992 from the University of California, Irvine's Department of Microbiology and Molecular Genetics. His research interests are in the study of DNA rearrangement and the understanding of non-Mendelian inheritance providing insights into biological questions related to chromosome structure. He has received a number of honors for his work, including recognition from the National Institute of General Medical Sciences, the National Research Service Award, a post-doctoral fellowship at the Fred Hutchinson Cancer Research Center in Seattle (1993-96); the University of California Statewide Biotechnology Research and Education Program Fellowship at the University of California, Irvine (1990-1991); and the National Institutes of Health Training Grant, Department of Microbiology and Molecular Genetics, University of California, Irvine (1987-1990).

**Lingchei Letty Chen**, Ph.D., joins the Department of Asian and Near Eastern Languages and Literatures in Arts & Sciences as assistant professor. She received a bachelor's degree in English and American literature in 1984 from Tamkang University in Taiwan, a master's degree in English literature from Old Dominion University in Norfolk, Va., a second master's in modern Chinese literature in 1993 from Columbia University, and a doctorate in comparative literature and modern Chinese literature in May 2000, also from Columbia University. Her research is in the area of modern and contemporary literature of mainland China, Taiwan and Hong Kong, and she has a particular interest in postmodern and postcolonial theory. She is co-founder of the Research Group for Taiwanese History and Culture, and has served as the coordinator for the research group's annual international conferences on the history and culture of Taiwan, which have been held since its founding in 1995.

**Matthew C. Erlin** joins the Department of Germanic Languages and Literatures in Arts & Sciences as assistant professor. He received a bachelor's degree in international relations in 1990 from Stanford University and a master's degree in German in 1994 from the University of California, Berkeley, where he is currently a Ph.D. candidate. His research interests include German literature, literary and intellectual history of the Enlightenment, early Romanticism, urban culture, philosophies of history, critical theory and pedagogy. His grants and awards include Phi Beta Kappa and a University of California, Berkeley, Humanities Research Grant.

### McCartney named associate vice chancellor for research administration

Denise A. McCartney has been named associate vice chancellor for research administration. When she assumes the newly created position Oct. 1, McCartney will be responsible for administrative and support activities related to sponsored research at both the Medical and Hilltop campuses.

The position was created in response to rapid changes in research during the last several years. More discoveries are being made, more patents granted and more funds are available from more sources. In fiscal year 2000, researchers at Washington University received



**McCartney:** 'Bright, energetic, thoughtful'

1,651 grants totaling an estimated \$364 million. By comparison, in fiscal year 1999, awards totaled \$334.2 million. Increasing emphasis on interdisciplinary approaches has opened a wealth of opportunities to the University. At the same time, regulatory agencies are monitoring research institutions more strictly.

These activities have challenged the existing administrative support system. McCartney will build on efforts identified during the Research Support Services Assessment Project (RSSAP) and enhance research administration responsiveness to principal investigators' needs in such areas as applying for grants, managing funding, assisting with information technology support and ensuring compliance.

McCartney will report directly to Theodore J. Cicero, Ph.D., vice chancellor for research. A search committee composed of faculty and research administrators from both campuses conducted a national search to find the best candidate for the position.

In her former position as assistant dean for management services at the medical school, McCartney gained broad

knowledge of research administration. For the past two years, she also worked on the RSSAP, which determined how the system could be improved.

"Denise's leadership in that project gave her a unique understanding of the problems and opportunities we face regarding research administration at both campuses," Cicero said. "Working with Denise, I have come to know her as a bright, energetic and thoughtful person. Therefore, it was not surprising to me that she emerged from the national search as the strongest candidate for this important position."

While serving as assistant dean for management services, McCartney was responsible for the Gifts, Grants and Contracts Office, managing all phases of the medical school's grant administration. She also oversaw the Human Resources Office, which provides faculty appointments, employee relations, recruitment, compensation, payroll and benefit services. She designed and implemented a new process to manage conflict-of-interest issues, and launched the Performance Improvement Office, which monitors the costs of purchased goods.

McCartney also developed a decision model for faculty retirement. She created the Management Council, which helps resolve administrative issues, and chaired the Professional Development Committee, which established management development programs. She also modified and implemented internal procedures used in tenure decisions.

Before coming to the medical school in 1993, McCartney was administrative director of rehabilitation at Barnes Hospital. She also worked as a laboratory manager at the hospital and as a technical supervisor of its blood bank. She holds a bachelor's degree in medical technology and a master's degree in business administration from the University of Missouri-Columbia.

### Of note

The Alvin J. Siteman Cancer Center at Barnes-Jewish Hospital and the School of Medicine has been recognized for its outstanding efforts in breast cancer prevention by the National Surgical Adjuvant Breast and Bowel Project (NSABP). The award was presented recently at the NSABP's annual meeting in New Orleans to **Colleen Kilbourne-Glynn**, research coordinator for Siteman's participation in a national clinical trial of two drugs that might prevent breast cancer. The Alvin J. Siteman Cancer Center's participation in the Study of Tamoxifen and Raloxifene trial is led by **Joanne E. Mortimer**, M.D., clinical director of the medical school's Division of Oncology. ...

**Robert Brendza**, Ph.D., of the Department of Neurology; **Seema Dalal**, Ph.D., and **Richard Stewart**, Ph.D., both of the Department of Cell Biology; and **Jingsong Xu**, Ph.D., of the Department of Pediatrics, are the recipients of this year's W.M. Keck Awards. Each year the Division of Biology and Biomedical Sciences selects four outstanding scientists in biomedical research with less than two years of postdoctoral research experience and awards each a fellowship for \$15,000 for partial stipend support. ...

**Ron K. Cytron**, Ph.D., associate professor of computer science, has been elected for a two-year term as chair of the Association for Computing Machinery's Special Interest Group on Programming Languages (SIGPLAN). Cytron's duties will include overseeing

conferences and interacting with the SIGPLAN board and other special interest groups. ...

**Ralph G. Dacey Jr.**, M.D., the Edith R. and Henry G. Schwartz Professor and head of neurological surgery at the School of Medicine, has been named secretary of the American Board of Neurological Surgery. The board is responsible for devising the curriculum for neurosurgeons in training and certifying those neurosurgeons who meet its requirements. It has 14 directors, each serving for six years. Dacey became a director in 1999. Dacey's clinical research centers on better ways to diagnose and treat brain aneurysms and arteriovenous malformations. These weak spots and tangles in blood vessels can rupture, causing sudden death. Dacey also is testing an experimental system that uses a magnetic field to guide instruments through the brain and other parts of the body. He performed the world's first magnetic brain surgery in December 1998. ...

**Gruia-Catalin Roman**, Ph.D., chair of computer science in the School of Engineering and Applied Science, has received a \$30,000 IBM Partnership Award. The award is renewable by IBM annually for up to three years. Roman also was recognized in a recent issue of Emerson Electric Co.'s Innovations magazine. An article described how Emerson's Software Center of Excellence Director Bill Trosky sought Roman's help as a consultant and coach in implementing object-oriented analysis. Roman is a nationally known expert in the area.

## Campus Authors

Eric Mumford, assistant professor of architecture

### The CIAM Discourse on Urbanism, 1928-1960

(MIT Press, 2000)

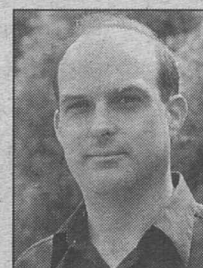
**Eric Mumford** recently published the first book-length study of CIAM (Congrès Internationaux d'Architecture Moderne), the avant-garde group of architects that, in the mid-20th century, included such figures as Le Corbusier, Walter Gropius and Richard Neutra. His book, titled "The CIAM Discourse on Urbanism, 1928-1960," examines the group's official doctrines and pronouncements advocating the creation of a more socially engaged architecture and focuses on the development and promotion of its influential concept of the "Functional City," which would come to impact the practice of architecture around the world. Mumford also traces the relationship between those official positions and the changing circumstances of, and sometimes contentious relationships between, the group's members.

A passage from the book (Chapter 1, pp. 53-54):

"Rehabilitation, however economically justifiable, was clearly not on the housing agenda at CIAM 3 [Brussels, 1930], and the attitude in favor of a new urban pattern, whether or not it included high-rise building, was evident in the accompanying exhibition, also

called Rationelle Bebauungsweisen [Rational Site Planning], which consisted of fifty-six site plans on aluminum boards with accompanying information. The names and locations of the projects were given, but the architects' names were not listed. The uniform scale and manner of presentation gave the collection a unified appearance. Like specimens under a microscope, the fifty-six plans in the

exhibition were intended to be seen as samples of urban organisms. Their uniform presentation, indifferent to issues of local cultural context and architectural convention, enhanced the notion, already widespread in planning circles, that the 'industrial city' was a uniformly chaotic phenomenon susceptible to scientific improvement through the proper interventions from above. To this idea CIAM added its distinctive advocacy of certain formal strategies intended to maximize green space and to eliminate the traditional corridor street. Despite disagreements over the most appropriate building heights or issues of centralization versus decentralization, it was clear that CIAM rejected all previous forms of urbanism, which it could only see as evolutionary stages leading toward its new methods."



## Obituaries

### George C.W. Meyer Sr., retired machinist

George C.W. Meyer Sr., a retired machinist for the School of Medicine, died Friday, Sept. 8, 2000, in Columbia, Ill. He was 75.

Meyer joined the University in 1965 as a machinist in the medical school's facilities

department. He was named shop superintendent in 1972. He retired in 1987 after 22 years of service.

Memorials may be made to St. Paul United Church of Christ in Columbia, Ill., or to the American Legion endowment fund.

## SBC gift

### Executive education programs supported

— from page 1

its custom programs, which use innovative techniques and content designed specifically for client companies. The school also plans to begin offering open-enrollment programs, addressing a range of topics and open to executives of any company. Typical programs vary in length from two days to three weeks.

In addition to these professional development programs,

the business school offers three degree programs for executives — executive master of business administration, executive master of business administration in manufacturing and operations, and executive master of business administration in health services management, designed in collaboration with the School of Medicine.

This gift supports the Campaign for Washington University, a current initiative to raise \$1 billion in gift support to continue to enhance the University and bring greater benefit to the St. Louis region. The campaign, due to conclude in mid-2004, has raised \$885.9 million to date.



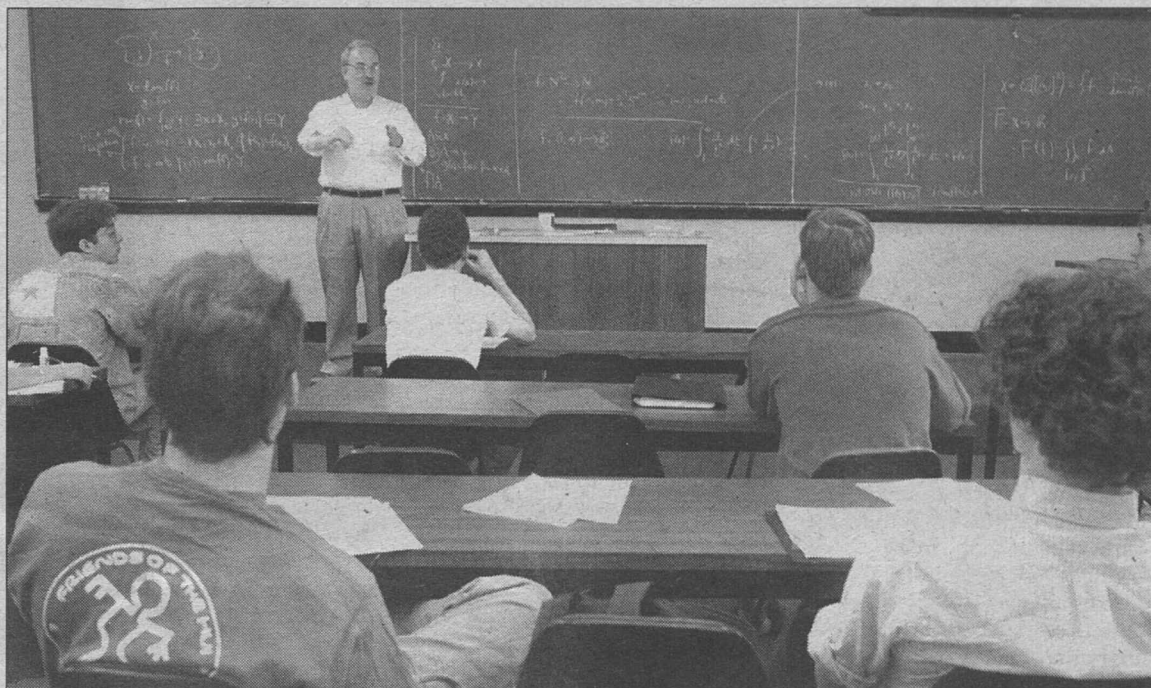
# Washington People

**T**opology: *n.* 1. the study of the properties of geometrical configurations unaltered when subjected to one-to-one transformation continuous in both directions.

Ronald Freiwald, Ph.D., professor of mathematics, specializes in topology and set theory. He explains topology thusly:

"Take a washer, or donut," he said. "The fact that it has a hole in the middle is a property that you never lose when a homeomorphism [the one-to-one transformation] is applied. The hole stays despite the other changes. Topology is one of five or six basic branches of mathematics. Of course, it gets more abstract and goes off in different directions from this simple description."

The non-mathematician might think that Freiwald himself is a bit of a study in topology. A faculty member for 30 years, Freiwald



With the mysteries of math spread out behind him, Freiwald teaches students in Math 417 — Introduction to Typology and Modern Analysis.

## Math professor is study in topology

Transformed, yet still the same, Ronald Freiwald, Ph.D., is pillar of department

BY TONY FITZPATRICK

remains much the same stalwart scholar and teacher that he was in 1970 freshly arrived from the University of Rochester, where he got his Ph.D. Yet over his three decades at Washington University, Freiwald has been transformed many times — and no doubt constantly pulled in at least two directions.

Freiwald has been a researcher and a pillar of the mathematics department in Arts & Sciences who teaches some of the most challenging and innovative courses offered to undergraduates. He's been very active advising mathematics students and molding the departmental curriculum. Three times he's been awarded the Arts & Sciences Faculty Teaching Award from the Council of Students of Arts & Sciences, and in 1997 Missouri Gov. Mel Carnahan presented him with the Governor's Award for Excellence in Teaching. In 1992, he received a Distinguished Faculty Award from the University's Alumni Board of Governors at Founders Day ceremonies.

### Administrator as well

While maintaining this active profile, Freiwald was transformed from popular teacher to successful administrator for five years, 1985-1990, when he ran the Arts & Sciences Summer School program. In 1989, he added a further role — acting dean of University College — to his administrative duties for a year. He had been University College

coordinator in mathematics from 1973 to 1985.

"Summer School was a fun job because it was like running a mini-university on your own," he said.

"After five years, I knew someone in almost every academic department. I felt I had a much stronger integration into the campus and certainly a much stronger network of people. For 10 years, I've drawn on them for many different things.

"And from the beginning," he added, "I learned that I like running things where I can get my hands dirty."

Today, Freiwald's hands are still smudged, if you will, plunged into much of the topsoil of the mathematics department. He currently serves as chair of the department's undergraduate committee, which plans and implements the entire undergraduate mathematics program. He also serves on a number of boards and committees and is freshman adviser, a position he's held almost continually since 1991 and many other times previously.

"I do an awful lot of stuff that is behind the scenes," he explained, from course listing to teaching assistants' assignments and student advising. For instance, Freiwald has put a lot of time into making the department's undergraduate Web page more informative and user-friendly. He thinks it is one of the factors contributing to the rising number of mathematics majors at the University over the past few years, now numbering about 100.

"We have more declared mathematics majors than we've had in the last 10 years, and that's gratifying to all of us in the department," Freiwald said in his Cupples I office, surrounded by an array of feline images ranging from house cats to lions.

Shortly after his stint as Summer School director, Freiwald made another key contribution to his University — and department — when he designed "Calculus II With Computing," which, in the fall of 1992, became the first calculus course here allied with a computer laboratory.

"The course has become very popular and fills up every fall," Freiwald said. "I really enjoy teaching it because students who take it like the subject matter and are good at it."

Freiwald has taught that class or traditional calculus nearly every fall in recent years and Topology 417-418 roughly every other year. He describes the latter as a "gateway" course for serious mathematics students.

"It's a basic tool for all sorts of advanced mathematics, and it draws our best undergraduate majors, as well as occasional students from other departments," he said.

Thirty years of mathematics education provides Freiwald with a keen perspective on students and education trends. Calculators with graphing capabilities are getting powerful enough now to be considered hand-held computers, and their use is very common in calculus classes.

"Many mathematicians see the graphing calculator as a mixed blessing, but I think that if the technology is used creatively by the instructor, and neither the instructor nor students abuse it, the calculator can be a tremendous learning tool," he said. "It can produce visualizations and highly accurate approximations to solutions that would have been far too tedious to do in the old days, by hand. Sometimes I tell students to think of calculus as an additional tool for turning such approximations into exact answers."

Likewise, Freiwald sees little difference in the caliber of topflight mathematics majors in 2000 compared with those of 1970. But he notes one of the biggest changes in college mathematics today is that more

house where Freiwald grew up.

At Washington and Jefferson College in Washington, Pa., Freiwald seriously considered German or philosophy as his major, but stuck with mathematics when he began to think of becoming a college professor. At the University of Rochester, he was supported throughout his graduate program by a Danforth Foundation fellowship and thoroughly enjoyed the annual conference of fellows from around the country that brought together "a wonderful cross-fertilization of people doing things remote from what I was doing," he said.

For three summers in graduate school, Freiwald taught high school students with college potential at the College of the Virgin Islands through a popular federal program called

Project Upward Bound. In the summer of 1969, he was head of the Mathematics Program.

"Project Upward Bound was my first exposure to teaching, and it was an affirmation that I could be an

effective teacher because I enjoyed what I did so much," he said. "The experience and the locale were wonderful — I loved being by the ocean."

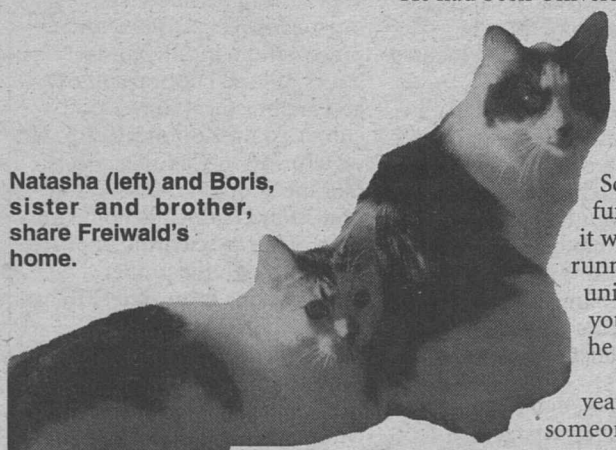
The lack of an ocean in eastern Missouri is about all that Freiwald can find fault with here at the University, where he begins his 31st academic year this fall.

### "Wonderfully diverse"

"Washington University is a wonderfully diverse place with an incredible amount of interesting activity that makes it very enjoyable," he said. Clearly, the feeling is mutual among his students and colleagues.

"Ron's efforts on behalf of our students have been a major force in shaping their undergraduate education," said Edward S. Macias, Ph.D., executive vice chancellor and dean of Arts & Sciences. "His work as a major adviser in the Department of Mathematics, along with his contributions as a member of the Commission on the Curriculum for Arts & Sciences, are just a few of the many ways he has worked to make sure that our students have the best possible experience here."

"He has also been honored with virtually every teaching award that Washington University has to offer," Macias added. "He is a splendid Arts & Sciences faculty member and University citizen."



Natasha (left) and Boris, sister and brother, share Freiwald's home.

### Ronald Freiwald, Ph.D.

Hometown Elizabeth, Pa.

Education B.A., Washington and Jefferson College, Washington, Pa.; Ph.D., University of Rochester, New York

Avocations Reading, volunteer work, gourmet cooking