The addition of South 40 House (background) and Umrath House halls open on South 40 gives the South 40 an entirely new, urban feel, as experienced by but also facilities and programs that vital that we provide students with than developing a strong sense of the success of our undergraduates probably noticed a different look to Medical News: WUSTL

Margaret Bush Wilson, trustee emerita, civil rights attorney, dies at 90

Margaret Bush Wilson, WUSTL trustee emerita, prominent civil rights attorney in the 1960s and the first woman of color to chair the board of directors of the National Association for the Advancement of Colored People (NAACP), died Tuesday, Aug. 11, after a short illness. She was 90.

Wilson, the second woman of color admitted to practice law in Missouri; served on WUSTL’s Board of Trustees from 1978 until her death and was a charter member of the Arts & Sciences National Council. She was an active member of both, serving on the honorary degree committee for the Board of Trustees. Wilson was a longtime civil rights activist and attorney. She was also closely involved with the NAACP serving nine terms as chair of its board of directors. She also served as U.S. attorney for the legal division of the rural electrification administration of the U.S. Department of Agriculture and assistant attorney general of Missouri. "We feel so very fortunate for Margaret Bush Wilson's many contributions to Washington University," Chancellor Mark S. Wrighton said. "She has an exemplary life story, and the world is a better place because of her work, unwavering commitment to social justice and equality. Margaret will be deeply missed by those of us who have benefited from her friendship.

Itch-specific neurons identified in mice

By Jim Dryden

Historically, many scientists have regarded itching as just a less intense version of pain. They have spent decades searching for itch-specific nerve cells to explain how the brain perceives itch differently from pain, but none have been found.

Now School of Medicine researchers have discovered that those itch-specific neurons do exist in mice, and their studies suggest that itch and pain signals are transmitted along different pathways in the spinal cord.

Reporting in the Aug. 6 issue of Science Express, the advance online publication of the journal Science, the researchers say they can knock out an animal's itch response without affecting its ability to sense and attempt to avoid pain. "This finding has very important therapeutic implications," said principal investigator Zhi-Feng Chen, Ph.D., associate professor of anesthesiology, of psychiatry and of developmental biology. "We've shown that particular neurons are critical for the itching sensation but not for pain, which means those cells may contain several itch-specific receptors or signaling molecules that can be explored or identified as targets for future treatment or management of chronic itching," Chen said.

The new finding follows research by Chen and his team in 2007 that identified the first itch gene — grating-releasing peptide receptor (GRPR) — in the spinal cord. They also showed that when mice were exposed to things that make them itchy those without a GRPR gene scratched less than their normal littermates. Chen's team also found GRPR in a group of spinal-cord cells called lamina I neurons that relay both itch and pain sensations to the brain.

But the identification of an itch receptor in spinal-cord neurons didn't mean those neurons were itch-specific because it was possible that they

Yellow Ribbon Program has immediate impact on campus

By Melody Walker

"Veterans make awesome MBA students," said Kevin Kiley, senior associate director of MBA admissions at Olin Business School. He should know. Kiley actively recruits vets to consider Olin's graduate business programs. As of Aug. 1, the new Post-9/11 G.I. Bill offers additional matching tuition benefits under its Yellow Ribbon Program.

The hope is that the new G.I. bill and its education benefits will attract even more veteran candidates to consider Washington University.

All WUSTL undergraduate programs and graduate programs except the George Warren Brown School of Social Work and the School of Medicine are helping fund tuition costs for veterans qualified for the Yellow Ribbon Program. "This is truly a terrific partnership," said Evan Boudiles.
**Live@EDU selected for student e-mail pilot program**

After several months seeking student and staff input, Washington University selected Microsoft Live@EDU to provide e-mail service for student e-mail accounts to a pilot group of students during the fall 2009 semester.

Live@EDU is a step toward offering students e-mail and web services that are an improvement over the University’s current approach, said Dr. Orstadt, associate vice chancellor for information services and technology.

Live@EDU provides e-mail accounts to all undergraduate and graduate students in support of University directories, making it easier to find WUSTL e-mail addresses. The toolset is based on Microsoft technology that helps to link Live@EDU with other WUSTL e-mail services.

Live@EDU was selected for the pilot study in May after evaluation of several Web-based solutions and technology staff to better focus on unique communication and collaboration needs, said Dr. Ortstadt.

"Microsoft Live@EDU solution offers several advantages with excellent features," Ortstadt said. "It is built on Microsoft’s enterprise collaboration platform and provides features for greater integration with other WUSTL systems.

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Share Our Stuff drive during move-out a success

Share Our Stuff, the drive to reduce waste and share with people in need goods typically thrown away during campus and off campus move-out, was an effective way for WUSTL students to help the St. Louis community while being environmentally conscious, said Matt Malten, assistant vice chancellor for sustainability.

"Overall, a tremendous amount of clothing, food, school supplies and small appliances were donated to Operation Food Search, ultimately helping families live throughout the University community and the St. Louis area," Malten said.

"Operation Food Search distributed items to community agencies, including Independent Transition Living Program, a program to help teens moving out of the foster-care system; and Agape SDA, a nearby food pantry.

"While Chen's earlier work found that pain and itch are regulated through different molecular pathways, this study suggests they also are regulated through different molecular pathways. That, said Chen, could have important implications for treating itch because the neurons with GPR53 may contain more itch-specific genes.

**Veterans**

Number of veterans enrolled up nearly 100 percent from Page 1

Olin MBA student Todd Stephens (in baseball cap) participates in a team-building exercise for all new Olin MBA students at Shaw Park in Clayton earlier this month. Stephens is among the first of new WUSTL students to benefit from the Post-9/11 G.I. Bill.

"Share Our Stuff" was held at the end of the spring semester and is organized by Tass Kappa Epsilon fraternity, the Office of Sustainability and Sharing With a Purpose (SNAP), a nonprofit organization partnered through the Student Entrepreneurial Program.

For more information, visit sustain.wustl.edu/sos.
When estrogen-lowering drugs no longer control metastatic breast cancer, the opposite strategy might work. Raising estrogen levels often stops disease progression in some patients with metastatic breast cancer no longer responding to estrogen treatment, according to research conducted at the School of Medicine and collaborative institutions. Results were reported in the Aug. 19 issue of the Journal of the American Medical Association.

"Not only did estrogen treat- ment halt disease progression, in some patients metastatic tumors became sensitized and again responded to anti-estrogen treatments. The women in the study had all experienced a relapse while on estrogen therapy for their disease was progressing," said lead author Matthew J. Ellis, M.D., Ph.D., professor of medicine in the Division of Oncology. "So we were faced with an intriguing problem: how to reverse this progression in many patients and was much better tolerated than aromatase inhibitors."

About 40,000 women die of metastatic breast cancer each year, and estrogen therapy could potentially improve care for these thousands of patients, Ellis said. Furthermore, he said the therapy costs less than a dollar a day.

Sixty-six postmenopausal women with hormone-sensitive breast tumors who had spread beyond the breast participated in the study. Participants were originally diagnosed with estrogen receptor positive (ER+) tumors and estrogen stimulated tumor growth. Seventy-five per-

cent of breast cancer cases are ER+. Participants had received antiestrogen inhibition that severely lowers estrogen levels, but their metastatic tumors had later reappeared or resumed growing.

The study compared a high 30-milligram daily dose of estrogen to a low 6-milligram daily dose and evaluated how well the treatments controlled the women's metastatic cancer and how the treatments affected their quality of life.

In both high- and low-dose groups about 30 percent of participants experienced a slight benefit - their tumors either shrank or stopped growing. Researchers were surprised that they could predict which patients would have this positive response. They conducted standard position emission tomography (PET) scans before estrogen treatment and 24 hours later. If metastatic tumors flared, or showed more brightness, in the PET scan after estrogen was started, they were much more likely to be affected by estrogen therapy. In 80 percent of women with PET flare reactions, tumors responded to estrogen therapy, and in 87 percent of women with PET flat tumors, tumors did not respond to estrogen.

The participants indicated whether they had adverse reac- tions to estrogen during the study, such as headaches, bloating, breast tenderness, fluid retention, nausea and fatigue, which might have a positive response. Patients who had the high estrogen dose had more severe side effects.

"The older women in the study, were, the fewer estrogen-related symptoms they had," said Ellis, an oncologist with the St. Louis Breast Cancer Center. "But overall, we demonstrated clearly that the low dose was better tolerated than the high dose and was just as effective for controlling metastatic disease."

In the 30 percent of partici- pants who responded to estrogen, tumors often began to grow again after a period of months or years. But in a third of these recurring cases, the researchers showed that the women's tumors had become re-sensitized to anti-estrogen therapy. Patients who continued this high estrogen response had not stopped growing when the pa-

ients went back to their original aromatase inhibitor treatment.

Moley named Crane Professor in Obstetrics and Gynecology

By Diane Dike Williams

Kelle H. Moley, M.D., a world- renowned reproductive biolo-

gist, has been named the first James P. Crane Professor in Obstetrics and Gynecology. The professorship is named in honor of James P. Crane, M.D., associate vice chancellor for clini-
cal affairs, who has a long list of accomplished achievements since joining the Washington University faculty in 1985.

He spearheaded the development of the Washington University Physicians Network, the largest independent physicians' association in the St. Louis area, and organized and now directs the Fertility Practice Plan (FPP), the fifth- largest academic medical group in the United States. He also led the effort for the Campus Initiative for Vision for the Medical Center that included building the Center for Advanced Medicine to house 14 multidiscip-

inary clinical centers.

Additionally, Crane estab-

lished and directed the Reproductive Endocrinology and Infertility Education program in Missouri and helped start the state's first in vitro fertiliz-

ation (IVF) program, leading to the birth of Missouri's first IVF baby in 1985.

"Jim is a tremendous asset to Washington University. He has a remarkable talent for bringing together people with diverse skills and agendas for a common purpose," said Charles M. DeSarno, M.D., the Harvey A. and Dorismae C. Morris, M.D., the Harvey A. and Dorismae Hacker Friedman Professor of Neurology and director of the Alzheimer's Disease Research Center; and Nichole Semenkovic, son of City Semen-

kovic, M.D., the Herbert S. Gasser Professor and chief of the Division of Endocrinology. Metabolism & Lipid Research, and Janice Semenkovic, M.D., associate professor of radiology. At the ceremony, first-year students are presented with a white coat, a symbol of a lifetime commitment to the medical profession, and take an oath that they write during orientation.

Another pro team looks to WUSTL Physicians

By Jim Deversion

Washington University Orthopedics provided medical care for players on the new Women's Professional Soccer team, Saint Louis Athletica. The team just completed its first sea-

son, which ended last week with a first-round playoff loss.

St. Louis also hosts the league's All-Star game Aug. 30.

The orthopedics group also cares for the St. Louis Blues, the St. Louis Rams and other sports teams.

Robert H. Brophy, M.D., assistant professor of ortho-
thopedic surgery, is the orthopedic chief physician at Stanford University and a former soccer player, is head team physician for the Athletica.

"Female soccer players are at an elevated risk specifically for injuries to the anterior cruciate ligament, or ACL, in the knee, so in working with the Athletica, we will be looking to emphasize injury prevention."

Robert H. Brophy

"Soccer players are obviously at an elevated risk specifically for injuries to the anterior cruciate ligament, or ACL, in the knee, so in working with the Athletica, we will be looking to emphasize injury prevention. When injuries do occur, we want to get players back to peak performance as soon as possible," said Brophy, who also trained to his collegiate experience at Stanford.

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Assembly Series begins with a comic touch by alumnus Ramis

BY BARBARA REA

The fall 2009 Assembly Series will start off on a light note with comic filmmaker and Washington University alumnus, Harold Ramis. This series continues through mid-November covering topics on entrepreneurship, equal rights, in-town rights, governance and the environment.

Ramis, who earned his bachelor's degree in Arts & Sciences in 1966, took off and is now one of the most memorable performers by Bill Murray and will be "pointing out how Ramis' unique perspective on our culture and its institutions have kept his films funny for 25 years. They attack 'the smugness of institutional life... with an impish good will that is unmistakably American" apparent in such films as "Animal House," which trashes fraternity systems, "Caddyshack," which targets country clubs and "Stripes," which decries the Vietnam War.

Then there are the "tongue-in-cheek" satirical portrayals of some of the most memorable figures by Bill Murray and Ramis. "As Americans!... That means that our forefathers were kicked out of every dead end of the world!"

Ramis' films have the unmistakable imprint of improvisation, picked up during his stint in Chicago's Second City improv troupe, where he cut his comedic teeth alongside friends, Murray and John Belushi.

Murray featured Murray in six movies, including what most critics consider his masterpiece, "Groundhog Day." Several films followed, including "Multiplication," "Almost Heroes," "Analyze This," "Analyze That," "Smart Stays His Family" and "Stripes.

These works, in turn, have influenced and inspired a new generation of comedic talent ranging from Judd Apatow to Rob Peter and Andy Samberg.

Since graduation, Ramis has stayed in touch with WUSTL and periodically visits the campus. He served two terms on the Board of Trustees from 1997-2005. He received a Distinguished Alumnus Award in 1988 and an honorary doctor of arts in 1993.

His latest comedy, "Year One," stars John Cusack and Michael Keaton and has been compared to a Bob Hope and Bing Crosby road movie. And there is good news for fans: "Ghostbusters III" is in the works.

The rest of the Assembly Series schedule for the fall:

Julie Otsuka
7 p.m., Sept. 15, Graham Chapel
Otsuka is the author of the novel "The Road Home," winner of the 2006 National Book Critics Circle Award, and "When the Party Was Over," a collection of short fiction. She is the winner of a Whiting Writers Award, a Guggenheim Fellowship and a Hodder fellowship at Princeton University. She is a founding editor at the literary magazine Bark.

Ramis will speak on "Creative Leadership," bringing his perspective on education and business.

Football
Saturday, Aug. 29
5:15 p.m. Volleyball vs. Webster U. Bears Classic. Athletic Complex. 935-4705.
7 p.m. Football vs. Greenville College. Francis Field. 935-4705.
7:30 p.m. Volleyball vs. Greenville College. Bears Classic. Athletic Complex. 935-4705.
8:45 p.m. Men's and Women's Cross Country. Central Park. 935-4705.
10:30 p.m. Volleyball vs. Millikin U. Bears Classic. Athletic Complex. 935-4705.
11:30 p.m. Volleyball vs. Millikin U. Bears Classic. Athletic Complex. 935-4705.
7:30 p.m. Football vs. Greenville College. Francis Field. 935-4705.
And More
Thursday, Aug. 27
7:30 p.m. Performing Arts Dept. Auditions. For the 2009-2010 performance season. Also 7:30 p.m. in the Mallinckrodt Ctr., Rm. 312, 935-5658.
Saturday, Aug. 29
The Pullman Foundation for the Arts Awards and Luncheon. Honoring Metropolitan Opera and New York City Ballet performers. At the Pullman Foundation Pavilion. The Pullman Foundation Pavilion. 3716 Washington Blvd. 754-1800.
Friday, Aug. 28
7:30 p.m. Volleyball vs. Webster U. Bears Classic. Athletic Complex. 935-4705.
7:30 p.m. Volleyball vs. Millikin U. Bears Classic. Athletic Complex. 935-4705.
Saturday, Sept. 5
9 a.m. Women's and Men's Cross Country. Central Park. 935-4705.
10:30 a.m. Men's and Women's Cross Country. Central Park. 935-4705.
Diversity and Inclusion Grants available

The Coordinating Council for Diversity Initiatives (CCDI) is accepting grant applications for initiatives that improve the campus environment for women and members of underrepresented minority groups who are on faculty or staff at WUSTL.

The Diversity and Inclusion Grants support programs that foster teamwork among faculty and leaders for programs that promote diversity and inclusion at the University. The grants will be administered by the CCDI.

"Strengthening Washington University through diversity is an effort that requires the full engagement of the campus community," said Leah Merritield, special assistant to the Chancellor for diversity initiatives.

The Coordinating Council for Diversity Initiatives is inviting proposals that the Diversity and Inclusion Grants will provide faculty and administrators with opportunities to engage in programmatic initiatives designed to help the University be an even better place to work, said Merritield.

Examples of possible proposals include recruitment efforts to bring diverse candidates to campus; development and/or review of diversity-related curricula; mentoring programs; and professional development funds to attend diversity recruitment meetings. Successful proposals will be collaborative, demonstrate tangible results and include departmental or school-funded support (monetary or other).

All funding is one-time only. Awards will range in size from $5,000 to $30,000.

The deadline for submission is Oct. 15. Decisions will be announced by the end of November. For more information and to apply, visit diversity.wustl.edu.

South 40

from Page 1

the contractor is St. Louis-based Clayco Inc. The buildings are designed to be Leadership in Energy and Environmental Design (LEED) Silver certified, labeled and be energy efficient.

The loading dock near the history Library at 935-7741.

"I am interested in permanently living in South 40 House."

The Bears were picked "as a 'home away from home' but also facilities and programmatic resources necessary to enhance educational instruction," said Bubel.

The volleyball team will begin its season ranked No. 5 in the American Volleyball Coaches Association (AVCA) top 25 poll.

Head coach Rich Luennemann led WUSTL to a 32-7 overall record last season, earning the University Athletic Association (UAA) Division III regional finalists. The Bears counted 19 letter winners and started their season with five victories. WUSTL opens the season Tuesday, Sept. 1, against Harris-Stowe State University.

Women's soccer ranked No. 8

The women's soccer team is ranked No. 8 in the NCAA Division II preseason poll.

Head coach Jim Conlon led the Bears to a 15-4-2 overall record and a third-straight University Athletic Association (UAA) championship in his first season. The Bears also qualified for the NCAA tournament, the first at WUSTL, and advanced to the NCAA sectional round.

The Bears return 18 letter winners and five starters from last year's team, which posted a seventh-straight winning season. WUSTL takes on the NCAAs sectional opener at 5:30 p.m. Tuesday, Sept. 5, against the University of Missouri at St. Louis at the Missouri Athletic Club.

Men's swimming and diving coach

Athletics director John Schael announced on Aug. 27 that Knapp assistant men's and women's swimming and diving coach. Knapp spent the past three seasons as Southern Methodist University at Georgetown, Texas, and the last year as the interim head coach. This fall, Knapp joins Southern Collegiate Athletic Conference Women's Coach of the Year honors.

immigrant memory service Sept. 13

A memorial service for Lynn Emergent, associate director of intramurals and club sports and former women's tennis coach, has been set for 2 p.m. Sept. 13 at Graham Chapel. In memory of Emergent, who passed away July 24 from injuries sustained in a car accident that also claimed the life of her New York & New Jersey Intertown from 30 years of coaching the women's tennis team, and her continued working in the intramural office. Emergent spent a total of 37 years at WUSTL.

Sports

Volleyball ranked No. 5 by AVCA

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Football picked second in conference

The Bears picked second in the 2009 University Athletic Association (UAA) football coaches poll.

Carey Southern Reserve University will start the 2009 season as the favorite to defend its UAA championship. Eighteen UAA programs picked WUSTL was the coach's pick to finish second. WUSTL opens the 2009 season at 7 p.m. Sept. 5 at home against Greenville College.

Kaupp assistant swimming, diving coach

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Be careful when teaching with Hollywood films

By Gerry Everding

Students who learn history by watching historically based blockbuster movies may be doomed to repeat the historical mistakes portrayed within them, suggests a new study.

The study, published in August in the online edition of Psychological Science, suggests that showing popular history movies in a classroom can be as double-edged sword when it comes to helping students retain factual information and associated texts.

"We found that when information in the film directly contradicted the text, people often falsely re-called the misinformation portrayed in the film, sometimes as much as 20 percent of the time," said Butler, whose research focuses on how new psychology movies can be applied to enhance educational practices, said teachers can guard against the adverse impact of movies that play with historical fact, such as a general admission may not be sufficient.

"Double-edged effect occurred even when people were reminded taken by Parker depicting women, men and children from various viewpoints and poses. Parker's creative process can be seen through the juxtaposition of the photos with his artwork.

Parker was born in St. Louis and studied art at the University from 1923-28. He moved to New York City in 1935 and illustrated for such magazines as Cosmopolitan, Good Housekeeping, The Saturday Evening Post, Sports Illustrated and Vogue.

For more information, call the Modern Graphic History Library at 935-7741.

'Guilty Exposure' displays Parker's creative process

In Library's new exhibition -- "Double Exposure: Al Parker's Illustrations from Model to Magazine" -- explores the art-making process of Al Parker, harking back to the "Mad Men" days of magazine illustration.

The exhibition, from the collection of the Modern Graphic History Library, is on display in Ohio Library's Galgo Reading Room and Grand Staircase Lobby through Sept. 25.

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South 40

from Page 1

the contractor is St. Louis-based Clayco Inc. The buildings are designed to be Leadership in Energy and Environmental Design (LEED) Silver certified, making them the first LEED-designed residence buildings on the South 40. The Village East student apartment building, located at the northwest end of the Danforth Campus, received a LEED Silver rating from the U.S. Green Building Council in July.

The LEED rating system is a third-party certification program and a nationally accepted benchmark for the design, construction and operation of environmentally friendly buildings.

All equipment in South 40 House dining facilities, including stoves, hoods and refrigerators, will have the Energy Star label and be energy efficient.

Food waste will be sent to a pulper, similar to a compostor. The loading dock near the kitchen will be covered by a "green roof," which will include a lawn, landscaping, sidewalks and a recreation area.

The World Center was demolished in June to make way for South 40 House, a building with a new identity. The World name will be recognized in the new building.

"World Center was primarily a dining facility," Carroll said.

"When we decided it was time to upgrade the South 40 dining facilities, we agreed to give the building a name that reflects its new identity not only as a dining facility but also as a residence hall," South 40 House.

"It is our hope that a donor will be interested in permanently naming this building, which would of course bear their name," Carroll said.

A funding effort is under way to secure resources needed for the project. Construction.

South 40 House will include a bakery, deli, grill and area for international food, tacos and a kosher station. The second phase will add a Mongolian grill, Indian food and a pizza oven.

University Hall will house 99 freshman students and three resident advisors (RAs). Three RAs and 126 upperclassmen will live in South 40 House.

"We plan to build a new residential college, along with Rubelmann House.

Rich Luennemann and his team will begin the season ranked No. 5 nationally.
Corner Building at Delmar and Skinker opens

By Jessica Daues

Washington University's newly renovated Corner Building on Skinker and Delmar boulevards opened Aug. 14. The building is located on the eastern side of the Loop area in the City of St. Louis and contains apartments and spaces for retail shops.

"The University City and St. Louis Loop district just north of the Danforth Campus already is a desired location for faculty, staff and students to live and enjoy leisure activities," said G. Todd Webb, executive vice chancellor for advancement.

"Through the Corner Building — along with North Campus, the 360 Music Center and others — Washington University is pleased to contribute to the ongoing redevelopment of the Loop into one of the nation's most attractive areas for living, working and playing," Webb said.

WUSTL began remodeling and renovating the 24,000 square foot, approximately 70-year-old Codina Courtyard building housing 16 two-bedroom and one-bedroom units for graduate students, faculty and staff on its second and third floors. The building, located a few blocks west of the new Missouri Hilton, is excited to offer yet another option for graduate and faculty workers who wish to live near campus and also be close to all the excitement and activity the Loop area has to offer," said Mary Campbell, assistant vice chancellor for real estate.

The University also renovated the building's street-level retail space and added several waiting spots for the roof to both sustainability and aesthetic reasons.

"The University wanted to create an architecturally interesting feature for the building that would add to the ambience of the Loop area," said Michael Benoit, project manager in the Office of Facilities Planning and Management. "The turbines also help to reduce the building's overall electricity draw from the community's power grid."

The wind turbines will generate electricity per year.

Campus Watch

The following incidents were reported to University Police Aug. 12-Aug. 23. Readers who have information concerning these or other crimes are urged to call 335-5055.

Aug. 13
9:00 p.m. — A bicycle was reported stolen from outside Red Ball Hall.

Aug. 21
12:26 p.m. — A bicycle was reported stolen from outside the Psychology Building.

Aug. 22
2:22 p.m. — A bicycle was reported stolen from outside the Psychology Building.

Aug. 23
11:54 a.m.-6:59 p.m. — Three bicycles were reported stolen from outside Hitterman House and from outside Mudd House.

Additionally, University Police responded to seven reports of a person acting suspicious, two reports of a broken window, one accidental injury for fire and stairs and one report of reproposing.

Wilson

and was counseled.

Wilson was also a member of the advisory board for the American Studies Program in Arts & Sciences. The Margaret Bush Wilson Professorship in Arts & Sciences — held by John Bygh, Ph.D., director of the African & American Studies Program and professor of English, History and Arts & Sciences — recognizes her outstanding contributions to the University of St. Louis and Washington University to St. Louis.

"Margaret Bush Wilson was one of the most exceptional people I have ever met," Bygh said. "Few Americans will ever leave a more meaningful legacy of the importance of found wisdom, kindness, generosity, compassion and visionary leadership. Her contributions to St. Louis, America, the NAACP and the world are profound.

"She made me feel like a long-standing member of her family and I will sorely miss her friendliness and sage advice," Bygh said.

Wilson was born in St. Louis Jan. 30, 1919, and graduated with honors from Sumner High School in St. Louis. She earned a bachelor's degree in economics, cum laude, from Talladega College and a bachelor of law degree from Lincoln University School of Law (now merged with the University of Missouri School of Law).

During her junior year in college in 1938, Wilson was selected as a Juliette Derricott fellow. As a fellow, Wilson spent six months in India at Vava Marriot College, where she met her husband, Nehum, Brahminculev and Meher Gandhi. She was particularly close to Meher.

When she managed a St. Louis law firm, now Wilson & Associates, for more than 40 years in addition to practicing law in St. Louis, she was admitted to practice before the U.S. Supreme Court and was a member of the Missouri Bar. In 1954, Wilson received the Distinguished Lawyer Award from the Bar Association of Metropolitan St. Louis.

Wilson also served as legal counsel, St. Louis County Council, Office on Poverty, assistant, Community Service and Continuing Education Programs, Title I, Higher Education Act of 1965 in the Missouri Department of Community Affairs; acting general superintendent and deputy director of St. Louis Model City Agency; assistant director, St. Louis

Rainforest Alliance. The clinic fellowship, which is part of the law school’s pre-law fellowships program, is designed to train talented law graduates for a career in public health teaching, including in clinical education. Clinical fellows will benefit from direct association with the schools longstanding and nationally recognized Clinical Education Program.

Editor's note: The safest place to lock a bike is from its frame to a secure structure, like a bike rack, Dr. Glenn said. Bikes locked to short poles can be lifted and carried away. Immature trees can be snapped or be lifted and carried away. Bike racks are installed at numerous locations around campus, including Washington University, in St. Louis, Mo., Glenn said. The University constantly evaluates where additional racks should be installed. For more information about keeping bikes secure on campus, contact Glenn at mark.glenn@wustl.edu or 335-5055.

Tips for keeping bikes secure

By Jessica Daues

Bicycles are the transportation of choice on campus for many WUSTL students, faculty and staff. But keeping those bikes secure on and off campus will help ensure a bike doesn’t fall into the wrong hands, said WUSTL Police Sergeant Mark Glenn.

"The safest place to lock a bike is from its frame to a secure structure, like a bike rack," Glenn said. Bike racks to short poles can be lifted and carried away. Immature trees can be snapped or be lifted away.

Tires locked to short poles can be lifted and carried away. Immature trees can be snapped or be lifted away.

"The safest place to lock a bike is from its frame to a secure structure, like a bike rack," Glenn said. Bike racks to short poles can be lifted and carried away. Immature trees can be snapped or be lifted away.

"Many bikes that are stolen, there either was no lock or an inferior-made cable lock," Glenn said. "Using a steel U-lock-style lock prevents people from pulling the lock apart."

What a bike is locked to is just as important as the lock itself, Glenn said. The safest place to lock a bike is from its frame to a secure structure, like a bike rack. Bikes locked to short poles can be lifted and carried away. Immature trees can be snapped or be lifted away. Bike racks to short poles can be lifted and carried away. Immature trees can be snapped or be lifted away.

For more information about keeping bikes secure on campus, contact Glenn at mark.glenn@wustl.edu or 335-5055.
Kouvelis named head of executive education at Olin

By MELODY WALKER

Ahendra Gupta, Ph.D., dean and the Geraldine L. and Robert L. Virgil Professor of Accounting and Management at Washington University in St. Louis, has named Panos Kouvelis, 48, head of the Center for Executive Education and Conference Management, to the newly created position of senior associate dean and director of executive programs at Olin.

The new position is part of a strategic re-structuring of Olin's executive education to close a gap between its traditional and integrated approach to graduate business education.

In his new role, Kouvelis will be responsible for managing and developing the full range of executive education programs, including MBA programs in St. Louis and Shanghai; the Olin Partners' Program; executive seminars; custom executive programs; and the instrumentation of the Center for Executive Education and Conference Management.

Kouvelis has an active teaching and research member of the Olin faculty for 12 years. He also is the director of Olin's Management Information Systems MBA programs in St. Louis and Shanghai; the Olin Partners' Program; executive seminars; custom executive programs; and the instrumentation of the Center for Executive Education and Conference Management.

Kouvelis, 48, was born in Lamia, Greece and majored in mechanical engineering at the National Technical University of Athens. He earned a dual MBA and industrial engineering degree from the University of Southern California and earned a doctorate at Stanford University.

He taught at the University of Texas at Austin and the Fuqua School at Duke University before joining the Olin faculty in 1999.

The recipient of numerous awards for teaching, research, and service, Kouvelis has published three books and more than 80 papers in academic journals. He also serves in editorial positions at several leading management and operations publications. Kouvelis is instrumental in designing a new master's degree in supply chain management and a new MBA, both of which will launch at Olin this fall.

Steven P. Miller, Ph.D., adjunct instructor of history in Arts & Sciences, has received a two-year, $750,369 grant from the National Science Foundation for research titled "Mechanical Changes in the Developing Brain." Miller, professor of psychology and neuroscience in Arts & Sciences, has received a one-year, $5,000,000 grant from the Office of Naval Research for research titled "RAPID: Computing Architectures and Parallel Processing." Miller said, "I have long been interested in the development of the brain and how differences in circuit development contribute to differences in human behavior."
Elson's lab is a center of collaboration and invention

Elliot L. Elson

Education: B.S., biochemistry, Harvard University, Ph.D., biochemistry, Stanford University
Title: The Alumni Endowed Professor of Biochemistry and Molecular Biophysics, professor of physics in Arts & Sciences and of biomedical engineering
Family: Wife, Frances Tietov, who is principal harpist at the Saint Louis Symphony Orchestra; sons Louis Woodworth, 30, a graduate of the University of Miami in philosophy, and Julian Elson, 25, a graduate of the University of Chicago in economics. Both sons live in St. Louis.

Book: Consultant with Hong Chen, Ph.D., of the University of Washington, of an upcoming book "Introduction to Fluorescence Correlation Spectroscopy"

The Elson family (from left): son Julian Elson; Elliot Elson; wife Frances Tietov; friend Suzanne McSwain; and son Louis (Louie) Woodworth. Behind them is a painting by Tietov's father, George Cohen, titled "Rockets and Rockettes."

Curiosity is his compass

Elson's shapes of cells.

"Elliot is the consummate scientist, using experimental observation and intellectual curiosity as his compass in the laboratory, with unusual insight and dogma," says Tom Ellenberger, D.V.M., Ph.D., the Winkoff Professor and head of the Department of Biochemistry and Molecular Biology.

"For many years, Elliot has focused on understanding how cells and tissues are organized as physical entities," Ellenberger says. "One could say that he is an old-school nanomaterials scientist, drawing together the frontiers of biology that can be constructed into a systematic engineering principles for life itself."

Getting into science

Elson grew up in St. Louis and earned a bachelor's degree in biochemistry from Harvard University. He says he was headed for a career in medicine. His father, a cardiologist, hoped his son would follow in his footsteps.

"I had huge stacks of medical school application on my desk," Elson says. "But I realized I really wanted to do scientific research. So somewhat to my father's dismay, I didn't go to medical school."

Elson's undergraduate adviser, renowned biochemist John T. Edsall, Ph.D., said that for his graduate work, Elson should apply to Arthur Kornberg, M.D., head of microbiology at Washington University.

Elson went to see the eminent scientist, meeting him in a lab in the West Building. Kornberg was in the midst of an experiment and continued pipetting samples while he interviewed Elson.

"When I had such distractions, the exchange went well, and Elson was accepted into the department. It was 1959, the year Kornberg won a Nobel Prize in Physiology or Medicine for his work on DNA biochemistry."

It was also the year Kornberg moved to Stanford University to become the biochemistry department head. Elson went, too, and there he got a less-than-illuminating introduction into cutting-edge science.

"My first job was unpacking the boxes they had moved from New York," Elson says.

Advancing on FCS

At Stanford, Elson delved into the physical chemistry of DNA, James Watson, Ph.D., and Francis Crick, Ph.D., had only recently proposed the double-helical structure of DNA, and biochemists were rapidly analyzing how the molecule behaved in living cells.

The DNA helix has to unwind so genes can be decoded. Elson worked out a theory for DNA unwinding while a postdoc at the University of California, San Diego.

Finishing his postdoctoral stint, Elson moved to Cornell University as an assistant professor of chemistry in 1968. There he decided to test his theory by looking at the double helix in a state in which short sections spontaneously twist and untwist: that led to the development of FCS.

"With FCS, you pass a narrow laser beam through a mixture that contains a few fluorescent molecules," Elson says. Elson made use of fluorescent molecules that could enter the DNA double helix when the bonds between strands were loosened.

"When a molecule enters the beam, it fluoresces, or emits a burst of light, which you can use to determine how fast molecules diffuse under specific conditions," says Elson. "The great advantage of FCS is that you can apply it in very small systems, including living cells."

Elson and his colleagues never solved how to measure DNA unwinding, but FCS took on a life of its own. "I thought that questions it was designed to answer.

Pattern of invention

"They build what they need from scratch, even to the point of salvaging parts from a Dumpster," says Carl Frieden, Ph.D., professor of biochemistry and molecular biophysics. "It has been a privilege to have my lab next to his and to be able to call on his expertise at any time."

"If someone occasionally sought and respected, his approach to science led him to his expertise."

The ingenuity of his co-work- ers is responsible for many of the inventions in his lab, Elson says. Current members include Tony Pryce, Ph.D., senior scientist, and William McCaughan, staff scientist, who created the cell indentor.

Genin says that Elliot maintains an open-door policy that benefits many at the University.

"Nearly every person in the engineering school who is doing bioengineering is a user and user equipment," Genin says. "Our late colleague George Zahalak re- membered that Elliot was the perfect collaborator. He has had the ability to listen, the intellect to understand, the fluency to explain it forward to what's next on the horizon: "It's a given," he says, "you'll never run out of things to discover."