Quatrano named interim dean of Arts & Sciences

**BY TONY FITZMAURICE**

Ralph S. Quatrano, Ph.D., the Spencer T. Olin Professor and chair of the Department of Biology in Arts & Sciences, has been named interim dean of the faculty of Arts & Sciences, effective July 1, 2008, according to Chancellor Mark S. Wrighton.

He succeeds Executive Vice Chancellor Edward S. Macias, Ph.D., dean of Arts & Sciences and the Barth and David Thomas Distinguished Professor in Arts & Sciences. Macias will relinquish his duty as Arts & Sciences dean June 30 and become provost Jan. 1, 2009, following a six-month sabbatical.

Quatrano will serve as interim dean of Arts & Sciences until a regular-term dean is appointed. Plans are under way to begin a comprehensive search for the next dean.

**Platypus genome holds clues to mammalian evolution**

**BY CAROLINE ARABAN**

The duck-billed platypus, part bird, part reptile, part mammal — and the genome to prove it. An international consortium of scientists, led by the School of Medicine, has decoded the genome of the platypus, showing that the animal's complex mix of features is reflected in its DNA. As an analysis of the genome, published in the journal Nature, can help scientists piece together a more complete picture of the evolution of all mammals, including humans.

The platypus, classified as a mammal because it produces milk and is covered in fur, also possesses features of reptiles, birds and their common ancestors, along with some curious attributes of its own. One of only two mammals that lays eggs, the platypus also sports a duck-like bill that holds a sophisticated electroreceptive system used to forage for food underwater. Males possess hind leg spurs that can deliver pain-inducing venom to its foes, much like the thorns of a cactus. They also will allow scientists to examine seed development and how cells acquire polarity. More recently, it has used the zoos' physiome tool to study the mechanism of drought tolerance and took a leadership role in a consortium of more than 100 international researchers and the Joint Genome Institute of the Department of Energy to sequence and annotate the mouse genome. This latter effort culminated in a major publication earlier this year in the journal Science, with Quatrano as corresponding author.

Since 1970, Quatrano has been a visiting professor or investigator at the institutions, including the University of Naples, Cambridge University, and the University of Leeds, as well as Stanford University and the University of Washington. He has given invited seminars at institutions worldwide and has published more than 160 research papers. He has won teaching awards at the undergraduate and graduate levels.

**University endowment provides for future while funding present**

**BY STEVE GIVENS**

During the 2003-04 academic year, Washington University celebrated its sesquicentennial — 150 years of providing higher education to St. Louis, the nation and the world. It was quite a milestone, but 150 years is a mere fraction of the ages of some of the great universities of the world. Harvard is heading toward 400; Oxford is more than 800. The late Clark Kerr, president of the University of California, once said that only 46 entities have survived continuously since the Middle Ages, and 50 of these are universities.

"Universities exist in perpetuity," Chancellor Mark S. Wrighton said. "They do not come and go like businesses and other institutions often do. As such, universities take a long view of how they operate and persist over decades and centuries."

It is also toward the future of an organization with such a lifespan, universities must be managed with an eye toward balancing the current requirements of scholars and students with the needs of those who will walk the same pathways and hallways hundreds of years in the future. To do that, it is essential that a university endowments provide a fund (actually a great number of funds) created by gifts that can never be spent. From these funds, only the earnings can be used to support the work of the institution and its faculty and students.

"The endowment plays a critical role in supporting research that has a benefit for America and the world," Wrighton said. "Medical discoveries, exploration of ancient cultures, nanoscience, alternative energy, much-needed research and classroom facilities are all directly or indirectly supported by endowment income, as many of the endowed professorships that make it possible to attract and retain the talented faculty who carry out this work."

At Washington University, the endowment provides the fourth-largest revenue stream, accounting for 10 percent to 12 percent of annual income in a typical year. See Quatrano, Page 6

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Arts & Sciences presents alumni awards, Dean's Medal

By SHILA NEUMAN

The Olin Business School honored three alumni who exemplify David Thomas Distinguished Alumni Award criteria. The award recognizes those who have achieved distinction in their professional careers and have demonstrated service to their communities and to the University.

Andrew M. Bursky (A.B. '79, B.S. '79) established the May Neit Scholarship and a Presidential Scholarship with a $1 million gift and was elected a WUSTL fellow in 1997. He left with three degrees: one in chemical engineering, one in biology from Harvard University, Bursky co-founded BioMed Technologies, Inc. which became one of the nation's largest privately owned businesses within 10 years, according to Forbes magazine. Today, following numerous successful ventures, he is a founding and managing partner of Atlas Holdings LLC.

A member of the University’s Board of Directors, he resides in New York Regional Cabinet, Bursky and his wife, Michele, have four children (A.B. '79, B.S. '79 in French), established the May Neit Scholarship and a Presidential Scholarship with a $1 million gift and was elected a WUSTL fellow in 1997. He left with three degrees: one in chemical engineering, one in biology from Harvard University, Bursky co-founded BioMed Technologies, Inc. which became one of the nation's largest privately owned businesses within 10 years, according to Forbes magazine. Today, following numerous successful ventures, he is a founding and managing partner of Atlas Holdings LLC.

Sherman A. James (Ph.D. '77), a member of the University’s Board of Directors, is dean of the School of Medicine at Washington University in St. Louis. He chairs the Responsive Governance Council and is a frequent speaker on topics related to healthcare. After earning an MBA from the University of Chicago, he served as captain in the Army during the Vietnam War. He later became a professor at Washington University and has held leadership roles in the Association of American Medical Colleges. He is a member of the University’s Board of Directors, and he is the recipient of the university’s highest honor, the University Award.

The Board of Trustees re-elected David W. Kemper, Jr. (B.S. '81, M.B.A. '81) to the board of directors of Commerce Bancshares, Inc., the holding company of Commerce Bank, to which he has been elected since 1983. He is chairman of the board of directors of Commerce Bancshares and president and CEO of Commerce Bank.

Monsanto Co. has named Carl A.天宝 (B.A. '02, M.B.A. '03, M.B.A. '03) to the board of directors. He is a member of the board of directors of The Bank of Nova Scotia and is a member of the board of directors of St. Louis Federal Reserve Bank.

The Trustee’s Career Award (A.B. '75, M.A. '75) is presented to 10 prominent business executives and educators. The award recognizes the practical impact of the faculty’s academic research, was established last fall by Richard J. Olson, ex-utive in residence and former dean of the School of Business and college of Arts and Sciences.

Heron Mitchell, retired chairman and CEO of Ralston Purina, where he served as chairman for 20 years, is the recipient of the Alumni Award. Mitchell, who served as executive vice president of the company’s board of directors, retired in 2013.

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The realities of rural and international health care became clear to groups of first- and second-year School of Medicine students last March during a spring break trip this year. Instead of getting discouraged, these students found a possible career path and future opportunities.

Seven first-year students traveled to a Navajo reservation in Arizona, and 13 second-year students traveled to the Choluteca region in southern Honduras in late March and early April on trips sponsored by the Forum for International Health (FIHTM), a student group that works to expose the medical community firsthand to international health concerns. The trips were funded by the School of Medicine and its alumni.

At the Navajo reservation, the first-year students talked with kindergarteners through high-school students about nutrition, diabetes, substance abuse and health care. Logan McKenna, a first-year student, said the trip to the Navajo reservation drove home some of the challenges of rural health care. "It's a lot of areas in the country where it is really hard to get doctors to work," he said. "But I learned that even if you don't want to go into international health care, you can do a great service in rural areas. Before the United States, before I never considered rural health care."

"We've been following these children for several years," said principal investigator Joan Luby, M.D., associate professor of child psychiatry and director of the Early Emotional Development Program. "It's important to find age-specific ways to diagnose depression and other disruptive disorders."

"I felt that the trip was a success," said first-year student Katrina Belden. "I learned internationally about how to work with children and toothpaste to distribute. Some of the children who had traveled internationally before, many were unsure about what they might encounter on the trips. Minoring an intellectual knowledge of the need is different from seeing it with your own eyes and experiencing it," she added.

"I had a connection to the people there. I had a connection to the kids and to the community," Belden said. "I wasn't surprised by how well I could communicate and interact with the people there. I had a connection with the kids, which was very meaningful for me." Jacqueline Anderson, a second-year student, said the trip was a good introduction to future short-term trips. "Even though we had to deal with a lot of frustrations, like lacking certain equipment or supplies, we realized that it would be so rare for us when we are doctors to take the time that we have to make a huge impact, even if it's for a few weeks," Anderson said.

Deepika Rao, a second-year student, said the trip was very powerful. "I've never gone into international or rural health. I think if we really look up clinics in a rural community without any idea why it's really important," she said. Rao added, "I also made a much clearer problems with what I'll go abroad," she said.

Aging impact's on ability to drive focus of conference

By Michael C. Pirey

Ensuring that the elderly have access to transportation while preventing age-related driving impairments will be the focus of the 10th annual Friedman Conference on Aging, "Are We Licensed for Life: Transportation and Driving Issues in an Aging Society?"

The conference, sponsored by the Harvey A. Friedman Center for Aging, will be held Tuesday, May 13, at the Eric P. Newman Education Center at the School of Medicine. The conference is free and open to the public, although lunch must be purchased in advance; registration is required. Friedman2008@wustl.edu. The conference is sponsored by the Barnes-Jewish Hospital Foundation. The surge of baby boomers now entering their 60s means more drivers on the road could one day be impeded by dementia or other cognitive or physical impairments linked to aging, and said Carr, M.D., associate professor of medicine and of neurology and a conference speaker.

"Society has an obligation to maintain the safety of elderly drivers and nurses that they should share the road with," said Carr. "We are aware of the right to drive or it is voluntarily surrendered, we also have an obligation to find ways to give those seniors access to the mobility they need to continue to live happy and productive lives."

"The keynote speaker for this year's conference will be Katherine Freuden, president and executive director of the Independent Transportation Network of America. The organization supports the creation of nonprofit, community-based networks that provide transportation services to seniors no longer able to drive, enabling them to stay in touch with family and friends and continue to be active members of their community," she said. "Other speakers and their topics include: Richard Marottoli, M.D., medical director of the Dorothy Adler Geriatric Assessment Center at Yale-New Haven Hospital in Connecticut, will speak on ways to improve driving skills in older adults; Brian Ott, M.D., director of the Alzheimer's Disease and Related Disorders Center at Rhode Island Hospital, will discuss the challenges of evaluating driving skills in older adults; and Linda Hunt, Ph.D., of the School of Occupational Therapy at the University of Connecticut, will discuss the validation of new tools to detect functional declines that elevate crash risk for older drivers; John C. Morris, M.D., of the Division of Highway Safety, will discuss transportation and regional policies for older adults; and Thomas Meuser, Ph.D., director of the Drive Research Center at the University of Missouri, will discuss the state of Missouri's effort to identify drivers impaired by alcohol.

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**University Events**

_Aging Society • Malaria Infection_

**Monday, May 12**

_University of Illinois Cancer Center_. "Wnt and Cell Adhesion Molecules: How Do They Do It?" 3 p.m. Healey Memorial Library, 2-330.

**Monday, May 13**

_University of Missouri_. "How To Be a Better Scientist." 5 p.m. Life Sciences I, Room 205. Free Refreshments.

**Monday, May 16**

_11 a.m.-4 p.m. Molecular Microbiology & Microbial Pathogenesis Seminar Series_. "What Are Bacteria Cooking For?" 3 p.m. Life Sciences III, Room 106.

**Monday, May 19**

_12:30 p.m. Memorial Center Seminar_. "How Do Neurons Talk to Each Other?" 1:30 p.m. Mallinckrodt Student Center, Room 216.

**Tuesday, May 20**

_4 p.m. Neuroscience Seminar Series_. "How Does the Brain Make Us Remember?" 5:30 p.m. Medical Science Building, Room 304.

**Wednesday, May 21**

_2 p.m. Immunology Seminar_. "How Does the Immune System Respond to Bacteria?" 3 p.m. Medical Science Building, Room 304.

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_Staff Day 2008 offers an array of activities_

**Monday, May 12**

_for lunch, and tea times start at 12:15 p.m._

-Ball On the Lawn: The Softball Field. The opening pitch is 1 p.m. Either sign up with a team or by yourself, and get assigned to an open spot by a friendly volunteer.

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**Tuesday, May 13**

-As a part of the upcoming celebration for the Danforth Campus (located west of campus), the University of Missouri--St. Louis (UMSL) will host a special event on Monday, May 12, from 11 a.m. to 1 p.m. in the Student Union, located west of campus. The event will feature a variety of activities designed to celebrate the success of the Danforth Campus and its impact on the University.

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**Wednesday, May 14**

-At 11 a.m., the School of Medicine will host a special event to recognize the achievements of the Danforth Campus. The event will feature a keynote address by Dean Eric R. Campbell and a networking reception.

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**Friday, May 16**

-At 7 p.m., the School of Business will host a special event to recognize the achievements of the Danforth Campus. The event will feature a keynote address by Dean Eric R. Campbell and a networking reception.

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**Saturday, May 17**

-At 9 a.m., the School of Engineering will host a special event to recognize the achievements of the Danforth Campus. The event will feature a keynote address by Dean Eric R. Campbell and a networking reception.

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**Sunday, May 18**

-At 2 p.m., the School of Health Sciences will host a special event to recognize the achievements of the Danforth Campus. The event will feature a keynote address by Dean Eric R. Campbell and a networking reception.

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**Monday, May 19**

-At 11 a.m., the School of Arts and Sciences will host a special event to recognize the achievements of the Danforth Campus. The event will feature a keynote address by Dean Eric R. Campbell and a networking reception.

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**Tuesday, May 20**

-At 9 a.m., the School of Law will host a special event to recognize the achievements of the Danforth Campus. The event will feature a keynote address by Dean Eric R. Campbell and a networking reception.

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**Wednesday, May 21**

-At 11 a.m., the School of Business will host a special event to recognize the achievements of the Danforth Campus. The event will feature a keynote address by Dean Eric R. Campbell and a networking reception.

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**Thursday, May 22**

-At 11 a.m., the School of Engineering will host a special event to recognize the achievements of the Danforth Campus. The event will feature a keynote address by Dean Eric R. Campbell and a networking reception.

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**Friday, May 23**

-At 11 a.m., the School of Health Sciences will host a special event to recognize the achievements of the Danforth Campus. The event will feature a keynote address by Dean Eric R. Campbell and a networking reception.

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**Saturday, May 24**

-At 11 a.m., the School of Arts and Sciences will host a special event to recognize the achievements of the Danforth Campus. The event will feature a keynote address by Dean Eric R. Campbell and a networking reception.

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**Sunday, May 25**

-At 11 a.m., the School of Business will host a special event to recognize the achievements of the Danforth Campus. The event will feature a keynote address by Dean Eric R. Campbell and a networking reception.

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**Monday, May 26**

-At 11 a.m., the School of Engineering will host a special event to recognize the achievements of the Danforth Campus. The event will feature a keynote address by Dean Eric R. Campbell and a networking reception.

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**Tuesday, May 27**

-At 11 a.m., the School of Health Sciences will host a special event to recognize the achievements of the Danforth Campus. The event will feature a keynote address by Dean Eric R. Campbell and a networking reception.

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**Wednesday, May 28**

-At 11 a.m., the School of Arts and Sciences will host a special event to recognize the achievements of the Danforth Campus. The event will feature a keynote address by Dean Eric R. Campbell and a networking reception.

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**Thursday, May 29**

-At 11 a.m., the School of Business will host a special event to recognize the achievements of the Danforth Campus. The event will feature a keynote address by Dean Eric R. Campbell and a networking reception.

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**Friday, May 30**

-At 11 a.m., the School of Engineering will host a special event to recognize the achievements of the Danforth Campus. The event will feature a keynote address by Dean Eric R. Campbell and a networking reception.
Men’s tennis advances to quarterfinals

The top-seeded team advanced to the quarterfinals of the 2008 NCAA Division III Men’s Tennis Championship with a 6-0 victory over the University of California-Santa Cruz, 5-1, May 4 at the Tao Tennis Center.

Last year, the Bears lost to eventual national champion University of California-Santa Cruz. WUSTL (18-4, 12-0) took on sixth-ranked California-Albion University May 13 in the quarterfinals held at Bates College in Lewiston, Maine.

Softball snags DePauw’s 37-game winning streak

The No. 16 softball team ended No. 1 DePauw’s 37-game winning streak — the second longest in Division III history — with a 1-0 victory in game 3 of a doubleheader May 3.

In Game 1, DePauw rallied with a run in the seventh and then capped the four-run lead with three runs in the ninth. Freshman Claire Voria allowed just two hits and struck out one in Game 2, while senior pitcher Sandy Givens allowed all record to 20-5. Voria walked six and Givens walked 10 in the DePauw run rule.

Coming off the bottom of the fourth, sophomore Ally Berenger and senior Amy Varrato led the Bears to a 6-4 victory. Senior Lindsay Cavarra then delivered the game-winning hit as she doubled to left field, scoring Berenger for the Bears’ second run of the game.

WUSTL dropped two games in a doubleheader at Minnesota Baptist University May 1. The Bears led both games heading into the late innings but were unable to hold on for win.

Baseball has 10th straight winning season

The Bears had their 10th straight winning season May 5, 7 and 9 with a 4-3 victory over Plattsburgh in the first round; WUSTL defeated Grinnell College, 5-1, May 3.

This marks the fifth time in the last six years the Bears have advanced to the NCAA tournament.

The top-seeded tennis team faced Grinnell College, 5-1, May 3. The Bears defeated second-seeded WUSTL to claim the title.

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Despite winning the season opener, the Bears lost to Ohio Northern University April 26.

Rogoff was the first WUSTL or NCAA player to be honored by the NCBWA Player of the Year honor this season.

By LIAM OTTEN

The Good Work Network had $50,000 seed money to three New Orleans-based nonprofit groups, the community development organization, the Good Work Network, and the Good Work Foundation.

In early April, the Good Work Network had $50,000 seed money to three New Orleans-based nonprofit groups, the community development organization, the Good Work Network, and the Good Work Foundation.

Hoeferlin’s class volunteered to craft the design portion of an interdisciplinary entry exploring redevelopment strategies for the Franz Building. Two graduate students from the University of Technology’s Department of Urban Studies 8c Planning who had previously partnered with the Good Work Network developed a corresponding business plan.

Though each architecture student created an individual proposal, the final submission was based on a scheme by senior John Klasnich. Within the Good Work Network area, facing the street, would be a large flexible workspace that could be subdivided into smaller offices or classrooms and serve as a graduate and community living space.

A middle zone would house a community center and arts workshop.

The project would include LEED-certified green roof technology, passive solar collection systems, and rainwater collection and retention, and operable windows for cross-ventilation. Tall, angled ceilings would direct natural light deep into the space while also exposing a series of dramatic structural columns.

"Sustainability is a big part of this project," Hoeferlin said. "The development of the post-Katrina rebuilding in general is Hoeferlin said. "It’s kind of a neat story, and one of the best stories is the wheel; we’re just trying to demonstrate and enhance existing features in an innovative way.

Now both the chicken coop and the Franz Building project are reaching fruition.

On May 2, Hoeferlin’s class returned to New Orleans to install the chicken coop (and Williams- gose coop). They made the final presentation to the Chancellor’s Competition Jury May 6.

The General Assembly turned a $40,000 grant from the Greater New Orleans Foundation.

The Franz Building is currently a finalist for a National Trust for Historic Preservation Grant, and April 28, the WUSTL/MIT team was named a finalist in the Chancellor’s Competition.

"These are obviously two very different projects, but they’re both very real," Hoeferlin said. "DePauw tells us what is national media, tells us what is going on. Now we’re talking about this whole process, and that’s transforming from a phase of recovery, to one of rebuilding, and projects of different type and different scales need to be implemented simultaneously.

That’s what these design studios are all about," he said.

Haley conference to draw scholars from around the world

The School of Law will bring together top comparative law scholars from around the world for "Law in Japan: A Celebration of the Works of John Owen Hay" May 8, 9, 10 and 11, in the Franz Building.

Haley is the nation’s leading Japanese legal scholar and a major figure in international law and justice studies.

The conference and related events, which include a panel discussion at the Franz Building, will take place May 9 and 10.

The purpose of the conference is to celebrate Haley’s life and work in Japanese law and international law.

"Haley was a leading scholar in the field of Japanese law and international law," said Aaron Williams, an assistant professor of law and the Ethan A.H. Shepley Robinson Chair in Japanese Law at WUSTL.

"But the conference will focus on his interdisciplinary approach to the study of Japanese law, and the contributions that he made to a broad range of fields," Williams said.

Haley was a founding member of the International Journal of Japanese Law, which is the leading journal for the field.

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"These are obviously two very different projects, but they’re both very real," Hoeferlin said. "DePauw tells us what is national media, tells us what is going on. Now we’re talking about this whole process, and that’s transforming from a phase of recovery, to one of rebuilding, and projects of different type and different scales need to be implemented simultaneously.

That’s what these design studios are all about," he said.
Rebecca J. DeRoo, Ph.D., associate vice chancellor and director of the University’s Office of Arts and the Arts, announced the appointment of the new dean of the Faculty of Arts & Sciences. Mark S. Wrighton, chairman and CEO of the National Security Agency, will take the helm at the University on July 1.

Dr. Wrighton will succeed Dr. Donald J. Wright, who announced his retirement in May 2007. Dr. Wrighton was selected from 57 nominees. This selection was one of several recommendations to the University’s Board of Trustees and the broader academic community.

The search for a dean of Arts & Sciences resulted from the announcement of the resignation of Dr. Wright in May 2007. The position was formally advertised in April and was open to all qualified candidates.

Dr. Wrighton has served as a member of the National Security Agency for 26 years. As chairman and CEO, he is responsible for the agency’s overall mission and strategic direction. He has been widely recognized for his contributions to national security and intelligence communities.

Dr. Wrighton received his Ph.D. in electrical engineering and computer science from the University of California, Berkeley, in 1978. He has held various positions at the National Security Agency, including director of research and development from 2001 to 2006.

Dr. Wrighton is an accomplished researcher and has made significant contributions to the field of information assurance. He has authored or co-authored over 70 papers in this area and has served on the editorial boards of various journals.

Dr. Wrighton is a member of the National Academy of Engineering and the National Academy of Sciences. He has also received numerous awards and honors for his work in information assurance.

In addition to his academic and professional achievements, Dr. Wrighton is deeply committed to community service. He has served as a member of the董事会 of Directors for the National Security Agency and the National Academy of Sciences.

Dr. Wrighton’s leadership and experience make him an ideal candidate to lead the University’s Faculty of Arts & Sciences into the future.
By JESSICA MARTIN

This year, the Sam Fox School of Design & Visual Arts' College of Architecture reached out to talented incoming freshmen and offered them an opportunity to create a thriving and cooperative learning environment. In addition, their School of Social Work was named to the George Warren Brown School of Social Work's "Pathfinder Program," which is a 10-year partnership with FOCUS St. Louis.

"T"he award showcases individuals and organizations that are making the biotopes region a better place to live, work and learn. Today, City Faces is led by Bob Hansman, associate dean for student affairs at the School of Architecture, and his son, Jovan, a first-year student at the George Warren Brown School of Social Work.

"Right With The Region!"

The Hansmans were recognized in five categories: "Promoting Stronger Communities," "Creating Quality Educational Opportunities," "Demonstrating Innovative Solutions," "Fostering Regional Cooperation," and "Improving Racial Equality and Social Justice." The Hansmans were also named to the "Promoting Stronger Communities" category. For the entire list of students honored, visit news-info.wustl.edu/clip/page/honored, visit news-info.wustl.edu/clip/page/honored, visit news-info.wustl.edu/clip/page/honored, visit news-info.wustl.edu/clip/page/honored, visit news-info.wustl.edu/clip/page/honored, visit news-info.wustl.edu/clip/page/honored.

"As weird as this animal looks, its genome proved far more intriguing than any other organism we've sequenced." - Francis S. Collins

The platypus, a member of the egg-laying monotreme order, is an unusual animal. It lives in Australia and has been studied for its unique genetics and biology. A recent research project aimed to sequence the platypus genome and provide insights into its evolutionary history.

The platypus, an amphibious marsupial, lives in freshwater environments in Australia. It has a unique double circulatory system and is capable of swimming at high speeds. However, sequencing its genome posed a significant challenge due to the platypus's complex DNA structure.

The researchers at the NHGRI sequenced the platypus's genome using a combination of advanced sequencing technologies. They focused on regions of the genome that are particularly challenging to sequence, such as repetitive sequences and regions of high mutation rates.

By June 17, 2008, the platypus genome was sequenced. The genome consists of about 18,500 genes, similar to other mammals, but also contains unique features that distinguish it from other species.

The researchers concluded that the platypus genome is rich in genes related to sensory perception, such as genes involved in hearing and smell. These findings are important for understanding the evolution of sense organs and the mechanisms underlying sensory perception.

The platypus genome provides insights into the evolution of sense organs and sensory perception mechanisms. Future research will continue to explore the biological relevance of these findings and their implications for understanding the evolution of the human genome.
By Jim Dryden

After my residency training, I did back, I submitted the cases I had my residency and deployed as an Air Force program for resi-
gency-room physician. I then returned to Barnes for a residency in anesthesiology. An Air Force program for resi-
dency in emergency medicine offered a monthly stipend, and I agreed to two years of re-
serve service for every year I spent in the program. A three-year anesthesiology residency earned me six years of reserve duty. And he never left.

"I briefly was pulled out of my residency and deployed as an emergency-room physician during Operation Desert Storm from January until March of 1991," he says. "Since I was an anesthesi-
ologist resident, they put me in the O.R. quite a bit, and when I got back, I submitted the cases I had done, and they counted toward my residency. So I didn't lose any time.

He came back to St. Louis, completed his training and moved on to emergency practice at St. Elizabeth's Hospital, Belleville, Ill. But some things never change. Being a person who likes the Air Force, the Persian Gulf and the Washington University Medical Center.

Rising in the ranks

At St. Elizabeth's, Gillen was less than 10 miles from Scott Air Force Base, so he didn't have to travel long distances for reserve weekends. He also met an Intensive Care Unit nurse named Patty, who would eventually become his wife.

The anesthesia group was small, and in the ICU, we worked very closely with them, so we quickly knew the anesthesiologists by name," Patty Gillen says. "It started as a working relationship. Then we began dating in 1995, and we got engaged in '98."

Reserve duty took up more time as Gillen rose in rank, earn-
ing his first command at Scott and later heading the 9300th Medical Squadron, also at Scott. And he spent time at the base even when he wasn't participating in a UTA, military jury for Unit Training Assembly, or reserve weekend. He was deployed back to the Persian Gulf in sup-
port of Operations Enduring Freedom and Iraqi Freedom as the initial director of 12 Critical Care Air Transport Teams, called CCATT in military parlance.

He both directed the deployment teams and served as a physician for one. CCATT teams are made up of three people: a critical-care physician—such as a pulmo-

Anestesiologist

Gillen helps save lives in St. Louis and overseas

nologist, an intensivist or an anesthesiologist—on an ICU-trained nurse and a respiratory technician. The CCATT teams routinely transported wounded sol-
diers who would be deemed too sick to be moved if they were in the United States.

"We started out in England, and when we would go on a mis-
sion, we would fly through Ger-
many and down to Sicily," he says. "Then we would pick up pa-
tients in Kuwait City and fly them to either Ramstein Air Base in Germany or to a Navy fleet hospital in Rota, Spain. Then we'd go back to England and wait for our next mission."

During his deployment at the start of the war, Gillen not only saw living wars, but he was also worrying about what was hap-
pening on the home front. Patty was unable to have children, but she was a healthy ege.

"We still wanted to have our own children," Gillen says. "We made an arrangement that would give us three tries at having a child through surrogacy."

The first two attempts failed. Then, in 2003, Patty's sister, who also works at Barnes-Jewish Hos-
ital, wanted to be the surrogate. Shortly after that, Dan was sent to the Persian Gulf again.

"I kept e-mailing him the ultrasonad pictures, so he could keep up with things," Patty says. "And he'd get back to the States twice during that eight-month pe-

In the past, soldiers like him were unable to have children, but it hasn't interfered with his career at Washington University and Barnes-Jewish Hospital.

"Dan's extensive experience in managing trauma and mass caus-
alties in Iraq has been an invaluable resource in creating a trauma anesthesiology program here at Washington University," says Alex S. Evers, M.D., the Henry E. Mallinckrodt Professor and head of the Department of Anesthesiology.

There are reminders of Gillen's military service around the med-
cal center. In the medical intensive care unit where "Patty works, there are several flags that were flown during his missions in Iraq where Gillen returned to active duty last year instead of England or Germany as a home base, this time, he was deployed to Iraq itself, working as a CCATT physi-
cian and clinical director at Balad Air Base.

Independence Day last year brought him a mission that got him home for fireworks. It start-
ed July 3 when Sgt. Dan Powers was attacked on patrol outside of Baghdad. An Iraqi insurgent plunged an eight-inch knife into Powers' head near his temple. The soldier remained conscious, unable to feel the knife, but his life was in danger.

Medics covered the knife with a Tyrone cup and took Pow-
ers to a hospital in Baghdad, which, in turn, sent him to Balad. Neurosurgeons there removed the knife, but there was a lot of bleeding, and Powers needed more surgery. Gillen's team then transported him all the way from Iraq to Andrews Air Force Base in the United States in a mission that included mid-air refueling of the C-17 medical transport plane.

"Anyone who has flown knows you have pressure changes, and we can only control those changes to a certain extent," Gillen says. "When you're talking about a very serious head injury, you wish to minimize those press-

uation or the fact that they couldn't be near their family," he says. "I remind them that we're here to take care of these people, so they can feel safe and secure when they return home."