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# Record

April 26, 2007

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Washington University in St. Louis

## Energy, environment bring international leaders to University

By NEIL SCHOENHERR

The International Symposium on Energy and Environment, sponsored by the McDonnell International Scholars Academy, will bring prominent international university presidents to campus May 4-7.

The symposium marks the first such gathering in the United States.

The leaders of 12 premier universities in Asia and the Middle East, along with Chancellor Mark S. Wrighton, will discuss ways their institutions are addressing global energy and environmental concerns. These institutions include Fudan, National Taiwan, Tsinghua and Yonsei universities and the Indian Institute of Technology Bombay.

"We are privileged to host the

first meeting of the Partner Universities of the McDonnell International Scholars Academy here in St. Louis," Wrighton said. "The 20 University Partners in the Academy engage more than 200,000 of the world's most talented students, and it will be rewarding to have so many outstanding academic leaders addressing the global challenges associated with energy and environment. The symposium is intended to identify opportunities to develop collaborative education and research programs involving Washington University and its international partners."

Key speakers will include a former U.S. ambassador to the United Nations, the president of the National Academy of Sciences and Monsanto Co.'s top executive.

Organizers say they hope the

See Leaders, Page 6



**In memoriam** The Virginia Tech flag flies as the More Fools Than Wise student chamber singing ensemble performs at a University community gathering April 19 in Brookings Quadrangle. The gathering drew more than 150 students, faculty and staff to show support for those impacted by the shootings on the Virginia Tech campus April 16, in which 33 people died. Chancellor Mark S. Wrighton addressed the crowd, along with Karin Johnes, a Virginia Tech alumna and former director of WUSTL's Greek life; campus clergy; and students. The event included candle lighting, a moment of silence and the chance for participants to sign a condolence message that will be sent to Virginia Tech in Blacksburg. It was the third such gathering on campus in response to last week's tragedy, including one organized by students the day of the shootings.

## Interaction of genes, environmental factors predisposes children to ADHD

By JIM DRYDEN

Past research has suggested that both genes and prenatal factors — such as exposure to nicotine — can increase the risk of attention-deficit/hyperactivity disorder (ADHD). But the identified increases in risk have been very modest. Now, a team of University scientists has found that when those factors are studied together, risk of a severe type of ADHD greatly increases.

The investigators looked at two genes related to ADHD risk and considered whether mothers smoked during pregnancy. In past studies, maternal smoking had been linked to a 1.2- to 1.3-fold increase in risk of ADHD. Genes



Todd

Neuman

associated with ADHD elevated risk between 1.2- and 1.4-fold.

"But when we looked at the effect of maternal smoking in children with one of our candidate genes, we saw a three-fold increase in risk, and in children with both genes whose mothers smoked during pregnancy, we saw a nine-fold increase," said

senior investigator Richard D. Todd, M.D., Ph.D., the Blanche F. Ittleson Professor and director of the Division of Child Psychiatry. "Our findings begin to offer an explanation for the modest effects we've seen when looking at genes or environmental variables one at a time. It appears it's really the interaction of genes and environmental factors that predisposes a child to problems with ADHD."

Todd's team reports its findings online in the journal Biological Psychiatry. The study also will appear in an upcoming print issue of the journal.

The researchers studied children from 782 Missouri families,

See ADHD, Page 6

## 77-year-old woman freed with help of law's Civil Justice Clinic

Shirley Lute, a 77-year-old victim of domestic violence, will be released from prison thanks to the efforts of the School of Law's Civil Justice Clinic and Jane Harris Aiken, J.D., the William M. Van Cleave Professor of Law and director of the clinic.

After Aiken and third-year law student Olivia Bradbury successfully argued a petition stating that Lute was wrongfully denied parole, the Supreme Court of Missouri on April 17 ordered the Missouri Board of Probation and Parole to set conditions of parole for Lute.

The victory is the culmination of more than eight years of work by the clinic on Lute's behalf.

The oldest female inmate in Missouri, Lute was incarcerated for her role in the 1981 murder of her abusive husband. That same year, she was sentenced to life in prison without the possibility of parole for 50 years.

The clinic initially was successful in helping Lute obtain a 2004 commutation of her sentence to life in prison with parole from Gov. Bob Holden, but she then was denied parole. In a one-sentence denial, the parole board stated that Lute's release would depreciate the seriousness of her offense.

Lute received a commutation from Holden in part because her husband's physical, psychological and emotional

See Justice, Page 7



A black satin ball gown designed by senior Lauren Edelstein, inspired by Christian Dior and modeled by Latasha Nelson of Barizon School of Modeling, will be part of the fashion show May 6.

## Fashion show to feature student works

By LIAM OTTEN

The Sam Fox School of Design & Visual Arts will present The 78th Annual Fashion Design Show at Saint Louis Galleria May 6.

The fully choreographed, Paris-style extravaganza will feature more than 50 professional and volunteer models wearing more than 150 outfits created by 19 seniors and 12 juniors from the school's Fashion Design program.

Festivities begin with a reception at 7 p.m. in the Galleria's Garden Court. The hour-long show starts at 7:30 p.m., followed by a dessert reception for the designers and audience during which many of the featured couture creations will be available for purchase.

"This is the biggest class we've ever had," said Leigh Singleton, who is celebrating his 20th year as director of the Fashion Design program. He attributes the growth to a variety of factors, including what he dubbed "the 'Project Runway' syndrome," in reference to a popular TV show.

"Today, there's a lot of attention given to the design process," Singleton said. "It's not just about the

pretty girl in the pretty dress in the pretty catalog — it's about what actually happens in the design studio. It's about making choices and learning which variables you can and cannot control. I think students get hooked when they discover the logic behind the techniques.

"In a way, fashion epitomizes the creative process," he added. "In a matter of hours, you go from idea to something concrete. That's sustaining and interesting and makes you want to do it again and again and again."

Singleton compares the annual Fashion Design Show to a Broadway-style revue, complete with lights, music, drama and glamorous costumes.

"Fashion is a form of entertainment as well as an artistic expression," Singleton said. "It has a kind of mystique. Designers need to be able to strike certain chords — to shock, to amuse and to provoke."

A jury of University faculty and local design professionals selected the outfits in the show. This year's lineup includes dress groups on the theme "Ladies and Gentlemen" as well as ball gowns inspired by Christian Dior. The show also will highlight the

See Show, Page 5

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# Summer Writers Institute offers new program to high-schoolers

By ANDY CLENDENNEN

**N**ow in its 12th year, the annual Summer Writers Institute is offering something new for aspiring scribes.

This year, the institute — held June 18-29 — will include a Young Writers Institute geared toward high school juniors and seniors. The program allows students to study with working writers, be-

come acquainted with the St. Louis literary community and choose an option to earn three college credits.

The Young Writers Institute is a two-week intensive writing workshop designed for high school juniors and seniors to develop their talents in prose and poetry writing.

"We're thrilled to offer the Young Writers Institute this year," said Michael Nye, director of the summer institute. "It's a wonderful

opportunity for students to work with an established writer and get patient, thoughtful guidance on their writing."

In the mornings, participants will attend workshops in writing poetry and fiction, focusing on techniques and craft, as well as receiving helpful guidance on their own stories and poems.

In the afternoons, the young writers will join the rest of the institute participants at craft talks and panels with published writers who will focus on specific craft issues in fiction, poetry and nonfiction and discuss aspects of the writing life, such as publishing and editing.

The Young Writers Institute is one of several intensive writing workshops, including beginning fiction, advanced fiction, poetry and creative nonfiction, offered

through the summer institute. In addition to craft talks and panel discussions, the two weeks include personal conferences and readings.

"Every year, we feel the Summer Writers Institute has improved," Nye said. "There is great attention to a student's writing in the workshop, and we bring in the very best teachers from the bi-state area. There isn't a better writing environment in the region."

Registration deadline for the summer institute is May 1.

The keynote speaker this year is poet Albert Goldbarth, the Adele Davis Distinguished Professor of Humanities at Wichita State University. He is the author of more than 20 collections of poetry and a two-time winner of the National Book Critics Circle Award.

Faculty for this year's summer institute are:

• Anne Sanow, fiction writing: Sanow teaches at the Montserrat College of Art.

• Mike Magnuson, advanced fiction writing: Magnuson is associate professor of English at Southern Illinois University Carbondale.

• Kathleen Finneran, creative nonfiction/memoir: Finneran is a lecturer in English in Arts & Sciences.

• Richard Newman, poetry writing: Newman is an adjunct instructor in University College in Arts & Sciences.

• Steven Schreiner, Ph.D., Young Writers Institute: Schreiner is associate professor in the Department of English at the University of Missouri-St. Louis.

For more information, including application forms and fees, call 935-6759 or visit [ucollege.wustl.edu/summerwr.php](http://ucollege.wustl.edu/summerwr.php).

## WUSTL issues statement on lenders

**T**he University, one of many universities receiving inquiries from the Office of Attorney General of the State of New York concerning student lending practices — as well as an inquiry from the Missouri Office of Attorney General — has agreed with both the Missouri and New York attorneys general to adopt a code of conduct guiding the University's relations with private lenders from whom the University's students and their families seek college financing. The University fully and rapidly cooperated with both investigations, and, as the agreements reached April 23 reflect, it denies that any of its past practices have violated Missouri or New York laws. The agreements with the Missouri and New York attorneys general do not involve payment of any fines by the University.

The University embraces the code of conduct as one that reinforces our long-standing commitment to assist all students admitted to the University in arranging the best possible financing for them and reflects a philosophy consistent with the University's long-standing values and objectives in student financial aid. The student loan world is a difficult and complex one to navigate, and it is vital that students and their families have confidence in the guidance they receive from the University in this realm. The University sees the code of conduct as an opportunity for it to serve as a leader in the higher education community in voluntarily adopting practices and procedures designed to offer confidence-building assurances to all students and families entering

the student-lending arena. The resolution of the investigations will assure that there is no disruption or confusion at this peak time in helping students arrange financial assistance for the upcoming year.

The attorneys' general code of conduct outlines conditions for University employee conduct related to lending institutions, employee membership on lender advisory boards, revenue sharing by lenders, regulation of preferred lender lists, access to electronic loan agreements and promotion of the school-as-lender program. The code of conduct's core value — the primacy of the student's interest — has always been at the heart of the University's practices.

The attorneys' general inquiries of the University involved a contract that was briefly in force between the University and Education Financial Partners (EFP). The University did not receive any revenue-sharing funds under that agreement, which was in effect from April 1, 2005, until March 31, 2006. The University contracted with EFP for one year — having rejected EFP's request for an exclusive relationship with the University — because this lender offered an uncommon benefit whereby student borrowers of non-federal funds did not need a co-signer. The University received no revenue-sharing income from EFP. Only three loans totaling less than \$25,000 were issued by EFP to three University students during the one-year period of the agreement. The EFP affiliation was allowed to lapse by the University more than a year ago.



**Lehmann professor** (From left) Lorraine Gnecco; her husband, Stephen H. Legomsky, J.D., D.Phil.; Ruth Chi-Fen Chen, Ph.D., research associate in the School of Engineering & Applied Science; and her husband, Kent D. Syverud, J.D., dean of the School of Law and the Ethan A.H. Shepley University Professor, examine an original edition of the 1676 book "Memoires Touchant les Ambassadeurs et les Ministres Publics," which Chen and Syverud gave to Legomsky at his installation as the inaugural John S. Lehmann University Professor March 26 in the Bryan Cave Moot Courtroom of Anheuser-Busch Hall. The new professorship was created through a charitable trust established by the late John Lehmann, a distinguished alumnus, lawyer and University trustee for more than 20 years.

## Little receives first distinguished professorship named for Donald Danforth Jr.

By BARBARA REA

**J**ames T. Little, Ph.D., became the first recipient of the Donald Danforth, Jr. Distinguished Professorship in Business in a ceremony at the Charles F. Knight Executive Education Center.

The professorship was established last year in the John M. Olin School of Business to honor alumnus and distinguished community and business leader Donald Danforth Jr. and to recognize the many contributions of the Danforth Foundation, which he helped guide as a trustee.

"Donald Danforth Jr. left an impressive legacy in the region as a business leader and community philanthropist," Chancellor Mark S. Wrighton said. "We are proud to have this professorship bear Don's name and are delighted to recognize his important contributions to the University and to the St. Louis community."

"Donald Danforth Jr. was an eminent and distinguished leader in the St. Louis business community and also an alumnus of the school," said Mahendra R. Gupta, Ph.D., the Geraldine J. and Robert L. Virgil Professor of Accounting and Management and dean of the business school.

"The Danforths have been a prominent part of St. Louis for well over 100 years. The Danforth name is synonymous with excellence nationwide," he added. "Their support has been instrumental in making Olin a world-class business school. We are privileged to honor and celebrate the Danforth legacy with this professorship."



**Present at the installation of James T. Little, Ph.D., as the first Donald Danforth, Jr. Distinguished Professor in Business are (from left) David Hollo, Donald Danforth Jr.'s son-in-law; Mahendra R. Gupta, Ph.D.; Christopher Danforth, Donald Danforth Jr.'s son; Elizabeth Little, Little's daughter; Little; Carolyn Danforth, Donald Danforth Jr.'s wife; Donald Danforth III, Donald Danforth Jr.'s son; John "Jack" Danforth; Susannah Danforth, Donald Danforth Jr.'s daughter-in-law; William H. Danforth, M.D.; and Mark S. Wrighton.**

The late Donald Danforth attended Princeton University for two years and completed a bachelor's degree in business administration at Washington University in 1955. In 1967, he joined the Ralston Purina Co., which his grandfather, the first William H. Danforth, founded and his father, the late Donald Danforth Sr., headed.

In 1972, he left Ralston Purina, where he had been an executive vice president and headed the agricultural products group. He remained a board member and major shareholder for the rest of his life.

In addition, he was founding

president of Danforth Agri-Resources. He served on the boards of numerous civic organizations, including the American Youth Foundation, which his grandfather founded, and the Brain Injury Association of Missouri, which he helped found.

Danforth was widely regarded for his character, humor and outstanding ability as a public speaker. His vision and support were especially instrumental in the creation of the Donald Danforth Plant Science Center in 1998.

Of primary importance to Danforth was his family: his wife, Carolyn; his children Carol,

Kathy, Laura, Don and Christopher; and his grandchildren.

Danforth passed away in 2001, but his legacy of leadership and service to society is carried on by his siblings: William, 13th chancellor of the University and now chancellor emeritus and past chairman of the Board of Trustees; Dorothy Miller, an active supporter of the community; and John ("Jack"), former U.S. senator from Missouri and former U.S. ambassador to the United Nations.

Little joined the Department of Economics in Arts & Sciences in 1971, moving to the business

school in 1982. He earned a doctorate from the University of Minnesota and completed his undergraduate studies at the University of British Columbia.

Praising his contributions to scholarship, Gupta said, "Jim Little is a great teacher, administrator and researcher who has been a valuable member of the Olin faculty for more than 20 years and whose career has been marked by many achievements."

His research interests include the study of globalization for corporate strategies, the economics of the European Union and insurance regulation. His areas of expertise are business policy and strategy, international economics, financial investments and corporate finance. His extensive background also covers many areas of economics.

In addition, his administrative contributions have been pivotal to the growth of the business school. He serves as academic director of both the Executive MBA program here and the Washington University-Fudan University Executive MBA program offered in Shanghai, China. This program recently was ranked No. 1 in China and No. 8 in the world by Financial Times newspaper.

This connection to China made him a natural candidate for appointment as a McDonnell International Scholars Academy Ambassador, a group of distinguished WUSTL faculty members who help develop international ties with other countries' educational and research institutions. Furthermore, he leads the London summer program.



## School of Medicine Update

# Brain tumors coax support from nearby system cells

By MICHAEL C. PURDY

**D**eveloping brain tumors can coax assistance from nearby cells known as microglia, according to a new study from School of Medicine scientists who have identified one protein made by microglia that helps accelerate tumor growth and are looking for others.

The results, published online in *Human Molecular Genetics*, come from a mouse model of neurofibromatosis 1 (NF1), a genetic condition that significantly increases childhood brain tumor risk. But senior author David Gutmann, M.D., Ph.D., the Donald O. Schnuck Family Professor of Neurology, said the findings also have implications for sporadic brain tumors, which affect many more people.

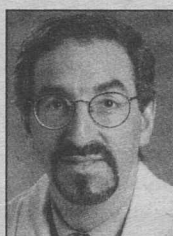
Gutmann, director of the Neurofibromatosis Center and co-director of the neuro-oncology program at Siteman Cancer Center, said scientists never really have had a good system for studying how microglia may contribute to general brain tumor formation.

"We're going to use this model to better

understand how brain cells that become tumors interact with microglia, and to probe how we might block those interactions," he said.

Gutmann said he hopes to create approaches for shutting down microglia, which exist both in a resting state and an activated state. Tumors likely need microglia to be activated before they can convince them to send out growth signals. The tumor then exploits these signals to enable its rapid growth. If scientists can block microglia activation, they place the tumor's potential partner in crime out of reach.

"From a therapeutic standpoint, we're very focused in cancer therapy on poisoning the cancer cell," Gutmann said. "But why not also deprive the cancer cell of the growth signals it receives from the normal surrounding tissue? These cells may actually decide whether a tumor forms at all and whether it continues to grow."



Gutmann

To learn more about the neighboring cells' effects on brain tumors, Gutmann turned to NF1, which affects more than 100,000 people in the United States. Gutmann has studied the condition for years both to help improve NF1 treatment and to develop insights into brain tumors generally. As part of that research, his lab developed a mouse model of NF1.

Brain tumors in human patients and in the mouse model arise from brain support cells known as astrocytes. Gutmann and his postdoctoral fellow Girish C. Dagnakatte, Ph.D., studied these brain tumors early in their development to see if any other cell types were consistently nearby. They found microglia, a cell type they previously had noted in human tumor samples.

Microglia are similar to monocytes, immune system cells that circulate throughout the body. Scientists are debating the role of microglia.

"I think people recognize now that microglia can be both good guys and bad guys," Gutmann said. "We've shown that they can definitely be subverted into a bad-guy role by tumors."

When researchers gave the mice drugs that dampen immune system function and block activation of the microglia, tumor growth slowed. To determine what the microglia make that boosts tumor growth, they compared the proteins produced by microglia from the mouse model and from normal mice.

Among other differences, microglia from the mouse model made more of an enzyme called hyaluronidase. Other scientists previously identified hyaluronidase as a contributor to processes that trigger healing and regrowth after brain and spinal cord injury. Gutmann showed that hyaluronidase can promote astrocyte growth and that inhibiting microglia production of hyaluronidase slowed their growth-promoting effects.

"Now, we have to wait for pharmaceutical scientists to develop inhibitors of hyaluronidase activity that can be used as potential treatments," Gutmann said. "In the meantime, though, we'll be looking at other factors made by microglia to see if they're also contributing to brain tumor growth as well as searching for ways to deactivate microglia."

## Fourth-year students get 'a leg up' on internships

By BETH MILLER

**F**ourth-year medical students planning to enter surgical fields have the opportunity to get a head start through the Accelerated Skills Preparation for Surgical Internship course at the School of Medicine.

The course, in its second year, is open to 20 students planning to enter a surgical subspecialty and is designed to help them develop their technical skills before they begin their internship, said L. Michael Brunt, M.D., professor of surgery and coursemaster.

"It's very clear that surgical skills training outside of the operating-room environment is increasingly important for graduate medical education, particularly for residents," Brunt said.

During the seven-week course, students use low-tech simulators to learn a variety of surgical skills, ranging from basic suturing and knot-tying skills to more advanced techniques such as laparoscopic skills. In addition, they have an opportunity to be "on call" for Barnes-Jewish Hospital to learn what to do in response to typical pages an intern might receive.

"We want to get them to the point where they can hit the ground running when they start

their internships and their hours and workload increase and there are many things to focus on," Brunt said. "This way, they have an opportunity to learn in a low-key environment with time to practice skills and refine and develop them further in order to become better surgical residents."

Mary E. Klingensmith, M.D., associate professor of surgery and residency training director, also teaches in the course. She said it accelerates the students so that during their first year of surgical residency, they have mastered skills some students from other medical schools may not have experienced.

"This course puts our students ahead of the game," she said. "They are in a big transition in life. If we can help them with this aspect, they'll have the chance to be more successful physicians than they otherwise might be."

Julie Margenthaler, M.D., assistant professor of surgery, said the course provides students with a focused approach to the types of procedures, clinical issues and surgeries that they will encounter during their internship.

"These are the types of learning experiences that most surgical interns around the country learn 'on the job' by trial and error," Margenthaler said. "Our students understand that learning the techniques in a classroom will offer them an advantage when they are faced with these problems in actual patients."

Students say they appreciate



Brunt



(From left) Julie Margenthaler, M.D.; Elizabeth Fialkowski, M.D., a surgical resident; and Lola Fayanju, a fourth-year medical student, practice installing a central line, used to give treatments such as chemotherapy, antibiotics and intravenous fluids and feeding, into a simulated patient during one of the labs in the Accelerated Skills Preparation for Surgical Internship course.

not only the extra practice they get before starting their internships but also Brunt's efforts.

"Dr. Brunt's dedication and the collaboration of the other surgeons who assisted him are a testament to the commitment of the Department of Surgery to furthering undergraduate and graduate medical education," said fourth-year medical student Lola Fayanju, who will begin a residency in general surgery at Barnes-

Jewish this summer. "Although one can never feel completely ready for internship, I do feel a little less panicked now that I've completed these sessions."

Amber Traugott, M.D., a surgical intern at Barnes-Jewish who took the course last spring, said the course helped her feel less anxious before starting her internship and gave her "a leg up."

"One of the best things about the course is that it helps alleviate

some of the anxiety you feel as a fourth-year medical student about to become an intern in surgery," Traugott said. "We worked with cases with common surgical problems that you might get called about when you're a junior resident and need to have a handle on the first day. It's helpful to have kind of gone through those scenarios beforehand so that the first time it happens, the process is not a new thing."

## Bioterrorism threats subject of regional research meeting

By CAROLINE ARBANAS

**S**cientists searching for ways to protect the public from bioterrorism and potentially deadly pathogens gathered in St. Louis last week for a national meeting of the 10 Regional Centers of Excellence for Biodefense and Emerging Infectious Diseases (RCE). The Midwest Regional Center of Excellence (MRCE), a multi-institutional research center anchored at the University, hosted the meeting.

In welcoming the 325 scientists in attendance, Chancellor Mark S. Wrighton noted that U.S. support for research to develop

vaccines and treatments for severe acute respiratory syndrome (SARS), avian flu, anthrax, the plague and other infectious diseases has a global reach.

"Investing in these areas of research will prove to be important for this country and the rest of the world," he said.

While biotechnology holds tremendous promise for curing emerging infectious diseases, it also carries the risk of being misused, cautioned Stewart A. Baker, U.S. Department of Homeland Security assistant secretary for policy, in his keynote address.

"It's not a question of if — of course biotechnology is going to

fall into the wrong hands," he said.

He predicted that the biotechnology revolution would follow the same path as the information technology revolution 20 years ago. As information technology became faster, cheaper and more accessible, computer viruses and fraud became commonplace. But with biotechnology, the consequences of the world's deadliest germs falling into the wrong hands are likely to be catastrophic.

"We have to think about how we'll respond to these types of challenges before they happen," he added.

Among the WUSTL scientists

presenting research at the meeting were William Goldman, Ph.D., and David Wang, Ph.D.

Goldman, professor of molecular microbiology, has developed a mouse model of pneumonic plague and demonstrated that mice lacking a key enzyme have a tempered response to the bacteria that cause the disease.

Wang, an assistant professor of molecular microbiology and of pathology and immunology, has developed a viral gene chip as a tool to detect thousands of known viruses as well as novel viruses. While at the University of California, he used the chip to successfully identify the SARS virus.

"Recruiting the nation's best scientists to the RCE program has changed the scientific landscape for tackling bioterrorism and emerging diseases," said Samuel L. Stanley Jr., M.D., vice chancellor for research and director of the MRCE. "It is my hope that collaborations that come from this meeting will lead us closer to developing novel treatments."

Also attending the meeting were two senior officials from the National Institutes of Health: Michael Kurilla, M.D., Ph.D., director of the Office of Biodefense Research Affairs (OBRA), and Rona Hirschberg, Ph.D., senior program officer for OBRA.



# University Events

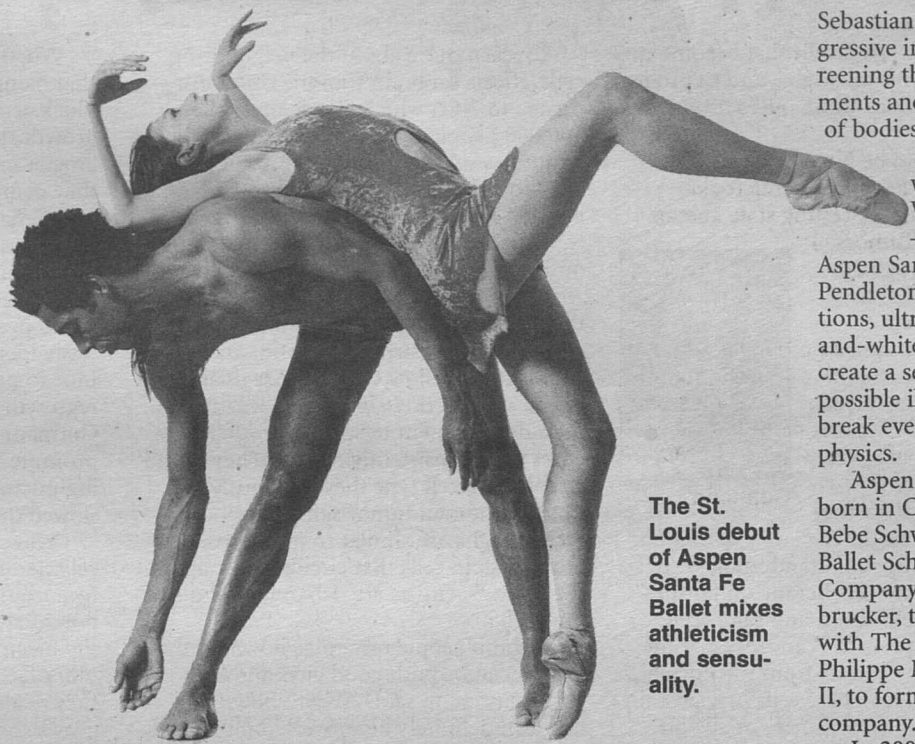
## Aspen Santa Fe Ballet at Edison April 27-29

During the past 11 years, Aspen Santa Fe Ballet has earned a national reputation for combining rugged athleticism with fluid sensuality.

This weekend, the tightknit troupe of 10 dancers will make its St. Louis debut at Edison Theatre. Performances, sponsored by Dance St. Louis and the Edison Theatre OVATIONS! Series, begin at 8 p.m. April 27-28 and 2 p.m. April 29.

Aspen Santa Fe is renowned for its daring, eclectic repertoire, which ranges from 20th-century classics to new works by many of today's foremost European and American choreographers.

The Edison Theatre program will begin with "Sans Detour" (Without a Detour), a whirlwind descent into darkness by choreographer Dominique Dumais, a former dancer with The National Ballet of Canada. With passages ranging from lyrical to hotly emotional, "Sans Detour" shows off the strength of the troupe's women, juxtaposing slow, rippling phrases with angular body positions and reckless lifts and tosses.



The St. Louis debut of Aspen Santa Fe Ballet mixes athleticism and sensuality.

LOIS GREENFIELD

The program continues with "Pointeoff," an intricate yet exhilarating work created for Aspen

Santa Fe by Finland's Jorma Elo. Set to Ferruccio Busoni's piano adaptations of music of Johann

Sebastian Bach, "Pointeoff" is aggressive in speed and attack, careening through athletic movements and ever-changing tangles of bodies.

The program concludes with "Noir Blanc" (Black White), a magical work — also written for Aspen Santa Fe — by Moses Pendleton. Using a scrim, projections, ultraviolet light and black-and-white costumes, the dancers create a series of seemingly impossible illusions, appearing to break every known law of physics.

Aspen Santa Fe Ballet was born in Colorado in 1995 when Bebe Schweppe, founder of Aspen Ballet School and Aspen Ballet Company, invited Tom Mossbrucker, then principal dancer with The Joffrey Ballet, and Jean-Philippe Malaty, then with Joffrey II, to form a professional ballet company.

In 2000, the troupe partnered with the City of Santa Fe, N.M., and now performs seasons in both communities. Mossbrucker is artistic director, and Malaty is executive director.

Aspen Santa Fe tours extensively around the country, averaging 50 performances each year. In addition, the company organizes an annual five-week summer dance festival that features the finest American contemporary dance, with companies such as The Joffrey Ballet, Miami City Ballet, Pilobolus Dance Theatre and Mark Morris Dance Group.

The School of Aspen Santa Fe Ballet conducts pre-professional dance programs in both cities, along with extensive education and outreach programs focusing on Mexican and Native American cultures.

Prior to each performance, Mossbrucker will present the talk "Speaking of Dance" in Edison's Lambert Lounge. The talk begins at 7:15 p.m. April 27-28 and 1:15 p.m. April 29. Michael Uthoff, Dance St. Louis artistic and executive director, will host the April 27 talk. Sally Brayley Bliss, Dance St. Louis executive director emeritus, will host the April 28-29 talks.

For more information, call 935-6543 or visit [edisontheatre.wustl.edu](http://edisontheatre.wustl.edu).

## 'The Rembrandt Project' • Trout Fishing in America • Health Awareness Day

"University Events" lists a portion of the activities taking place April 26-May 9 at Washington University. Visit the Web for expanded calendars for the Danforth Campus ([calendar.wustl.edu](http://calendar.wustl.edu)) and the School of Medicine ([medschool.wustl.edu/calendars.html](http://medschool.wustl.edu/calendars.html)).

### Exhibits

"Gandhi, King, Ikeda: A Legacy of Building Peace." Through April 27. Olin Library Lobby. 935-6626.

"Lesley Dill: 'The Thrill Came Slowly.'" Through April 29. Co-sponsored by the Sam Fox School of Design & Visual Arts. Millstone Gallery at COCA, 524 Trinity Ave. 725-1834, ext. 156.

"Reality Bites." Through April 29. Kemper Art Museum. 935-4523.

### Film

#### Friday, May 4

6 & 8:30 p.m. Travel Lecture Film Series. "10 Questions for the Dalai Lama." Rick Ray, dir. Graham Chapel. For costs: 935-5212.

### Lectures

#### Thursday, April 26

Noon. Genetics Seminar Series. "Single Molecule Measurements of Gene-regulator Protein's Interactions with DNA." Yan Mei Wang, asst. prof. of physics. McDonnell Medical Sciences Bldg., RM. 823. 362-2139.

2 p.m. Chancellor's Fellowship Conference. "African-Americans and Documentary Film." Henry Louis Gates Jr., Alphonse Fletcher University Professor at Harvard University. Graham Chapel. 935-6821.

4 p.m. Chemistry Seminar. "Fast and Faster Glimpses of Reactive Intermediates." Robert Moss, L.P. Hammett Professor of Chemistry, Rutgers U. McMillen Lab., RM. 311. 935-6530.

4 p.m. History Colloquium. "The Political Education of John Jones: Race Politics in a Northern City, 1845-1879." Margaret Garb, asst. prof. of history. (Reception follows.) Hurst Lounge, RM. 201, Hurst Lounge. 935-5450.

4 p.m. Ophthalmology & Visual Sciences Seminar. "Visuomotor Deficits in Children with Cerebral Palsy." Fatema Ghasia, research fellow in ophthalmology & visual sciences. Maternity Bldg., RM. 725. 362-3315.

#### Friday, April 27

9 a.m.-4:30 p.m. Pathology Symposium. In Honor of Dr. Emil R. Unanue. "Immunology at the Horizon of the New Millennium." Eric P. Newman Education Center. 362-8748.

11 a.m. Boeing Center for Technology, Information & Manufacturing Operations & Management Seminar. "Dynamic Stable Alliance Structures in Supply Chains." Mahesh Nagarajan, Sauder School of Business. Simon Hall, RM. 241. 935-5577.

11 a.m. Energy, Environmental & Chemical Engineering. "The Chemistry of Single Walled Carbon Nanotubes: Applications to Biomolecule Detection, Nanotube Separation and Electronic Networks." Michael Strano, assoc. prof. of chemical & biomolecular engineering, U. of Ill. Lopata Hall, RM. 101. 935-5548.

Noon. Cell Biology & Physiology Seminar. "Vesicular Axonal Transport: Linking Injury Signaling to Nerve Regeneration." Valeria Cavalli, asst. prof. of anatomy & neurobiology. McDonnell Medical Sciences Bldg., RM. 426. 362-7437.

4 p.m. Physics & Center for Materials Innovation Joint Seminar. "Disorder and Dissipation in the Microwave Conductivity Spectra of Carbon Nanotube and Silicon Nanowire Arrays." Mark Lee, Sandia National Laboratories, Albuquerque, N.M. (3:45 p.m. coffee.) Compton Hall, RM. 241. 935-6276.

#### Monday, April 30

8:30 a.m.-5 p.m. St. Louis STD/HIV Prevention Center CME Course. "STD Update." Cost: \$75. For location and to register: 747-1522.

Noon. Work, Families, and Public Policy Brown Bag Seminar Series. "What Determines Adult Skills? Impacts of Pre-school, School-years and Post-school Experiences in Guatemala." Jere Behrman, W.R. Kenan, Jr. Professor of Economics, U. of Penn. Eliot Hall, RM. 300. 935-4918.

4 p.m. Immunology Research Seminar Series. "Tec Kinase Signaling Regulates Conventional Versus Innate T Cell Development." Leslie Berg, assoc. prof. of pathology, U. of Mass. Farrell Learning & Teaching Center, Connor Aud. 362-2763.

#### Tuesday, May 1

Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series. "The Female Gametocyte of the Malaria Parasite: A Model for the Initial Development of a Polarised Embryo?" Andy Waters, dept. of parasitology, Leiden U., the Netherlands. Cori Aud., 4565 McKinley Ave. 362-8873.

5:30 p.m. Biochemistry & Molecular Biophysics Biophysical Evenings Seminar. "Computational Methods for Biomolecular Solvation." Nathan Baker, asst. prof. of biochemistry & molecular biophysics. Cori Aud., 4565 McKinley Ave. 362-4152.

### How to submit 'University Events'

Submit "University Events" items to Genevieve Posey of the Record staff via:  
e-mail — [recordcalendar@wustl.edu](mailto:recordcalendar@wustl.edu)  
campus mail — Campus Box 1070  
fax — 935-4259

Upon request, forms for submitting events will be e-mailed, mailed or faxed to departments to be filled out and returned.

Deadline for submissions is noon the Thursday prior to publication date.

7:15 p.m. Art History Seminar. "The Rembrandt Project." Alfred Bader, former pres. and founder, Aldrich Chemical Co. (6:30 p.m. reception.) Co-sponsored by the American Chemical Society and Sigma Aldrich Foundation. Lab Sciences Bldg., RM. 300. 935-7309.

#### Wednesday, May 2

7 a.m.-7:15 p.m. Internal Medicine CME Course. "The Washington Manual Comprehensive Internal Medicine and Board Review Course." (Continues through May 6.) Cost: \$1,025, \$825 for residents, fellows and allied health professionals. Eric P. Newman Education Center. For schedule, details and to register: 362-6891.

Noon. Mallinckrodt Inst. of Radiology Lecture. Annual Hyman R. Senturia Lecture. "How to Perform and Interpret MR Cine Sleep Studies for Obstructive Sleep Apnea in Children." Lane Donnelly, prof. of radiology and of pediatrics, Cincinnati Children's Hospital. Scarpellino Aud., 510 S. Kingshighway Blvd. 362-2866.

4 p.m. Biochemistry & Molecular Biophysics Seminar. "The Effect of Cholesterol and Transmembrane Proteins on the Structure of the Fluid Phospholipid Bilayer." Jonathan Sachs, asst. prof. of biomedical engineering, U. of Minn. Cori Aud., 4565 McKinley Ave. 362-4152.

#### Thursday, May 3

8:30 a.m.-4 p.m. Center for the Application of Information Technology Two-day Workshop. "Take Action: Contribute to Your Firm as a High Impact IT Professional." Cost: \$1,210; reduced fees available for CAIT member organizations. CAIT, 5 N. Jackson Ave. To register: 935-4444.

Noon. Genetics Seminar Series. Andrew Dancis, dept. of cell and molecular biology, U. of Penn. McDonnell Medical Sciences Bldg., RM. 823. 362-2139.

#### Monday, May 7

4 p.m. Immunology Research Seminar Series. "First Impressions Count: Programming of CD8 T Cell Responses." Stephen Schoenberger, La Jolla Inst. of Allergy & Immunology. Farrell Learning & Teaching Center, Connor Aud. 362-2763.

#### Tuesday, May 8

Noon. Program in Physical Therapy Research Seminar. 4444 Forest Park Blvd., Lower Lvl., RM. B108. 286-1404.

### Music

#### Friday, April 27

12:15 p.m. Music@Givens. Stephanie Lu, Luz Silverio, Evan Richl and Chris Riha, string quartet. Givens Hall Foyer. 935-4202.

#### Sunday, April 29

3 p.m. Chancellor's Concert. "Carmina Burana" by Carl Orff. Washington University Concert Choir, John Stewart, dir., and Washington University Symphony Orchestra, Dan Presgrave, dir. E. Desmond Lee Concert Hall, 560 Trinity Ave. 935-4841.

#### Monday, April 30

8 p.m. Concert. Washington University Flute Choir. Graham Chapel. 935-4841.

#### Tuesday, May 1

8 p.m. Concert. WUSTL Chamber Ensembles. Ridgley Hall, Holmes Lounge. 935-4841.

### On Stage

#### Friday, April 27

8 p.m. OVATIONS! Series. Aspen Santa Fe Ballet. Co-presented by Dance St. Louis. (Also, 8 p.m. April 28 and 2 p.m. April 29.) Cost: \$30; \$25 for seniors, WUSTL faculty and staff; \$18 for students and children. Edison Theatre. 935-6543.

#### Saturday, May 5

11 a.m. ovations! for young people. Trout Fishing in America. Cost: \$7. Edison Theatre. 935-6543.

### Sports

#### Saturday, April 28

Noon. Softball vs. Maryville U. WUSTL Field. 935-4705.

1 p.m. Baseball vs. Case Western Reserve U. Kelly Field. 935-4705.

4 p.m. Baseball vs. U. of Chicago. Kelly Field. 935-4705.

#### Sunday, April 29

10 a.m. Baseball vs. Case Western Reserve U. Kelly Field. 935-4705.

Noon. Softball vs. Fontbonne U. WUSTL Field. 935-4705.

4 p.m. Baseball vs. U. of Chicago. Kelly Field. 935-4705.

#### Tuesday, May 1

3 p.m. Baseball vs. Greenville College. Kelly Field. 935-4705.

#### Friday, May 4

4 p.m. Softball vs. McKendree College. WUSTL Field. 935-4705.

### And more

#### Friday, April 27

1 p.m. Skandalaris Center Innovators & Entrepreneurs Workshop. "Market Size & Revenue Forecasting," "Developing Your Idea and Finding Your Value Proposition" and "Creating Your Business Model." Simon Hall. To register: [sc.wustl.edu](http://sc.wustl.edu).

#### Saturday, April 28

9 a.m.-2 p.m. Family Health Awareness Day. Co-sponsored by the School of Medicine, Saint Louis U., and Student National Medical Assoc. Saint Peters AME Church, 4730 Margarita Ave. 381-3345.

#### Thursday, May 3

6 p.m. Skandalaris Center Social Entrepreneurship & Innovation Competition Awards Ceremony. Leslie Michelson, keynote speaker. Simon Hall, May Aud. To register: [sc.wustl.edu](http://sc.wustl.edu).

#### Saturday, May 5

9 a.m. American Heart Association Heart Walk. Forest Park, Cricket Field. For team and registration information: [heartwalk.kintera.org/stlouis](http://heartwalk.kintera.org/stlouis).

#### Sunday, May 6

7 p.m. School of Art Annual Fashion Design Show. Cost: \$65, \$35 for students. Saint Louis Galleria. 935-9090.





**Character of service** Jill Edwards, project manager in the University's administrative offices, receives a 2007 Gerry and Bob Virgil Ethic of Service Award April 19 at Whittemore House from W. Edwin Dodson, M.D., associate vice chancellor and associate dean for admissions and for continuing medical education and professor of neurology and of pediatrics at the School of Medicine. The annual award honors WUSTL community members who exemplify a character of service and giving to the St. Louis region. Other honorees included William H. Danforth, M.D., chancellor emeritus; alumnus Flint Fowler, Ph.D., (B.A. '80, M.A. '81); alumna Carolyn Losos (B.A. '54); alumnus William Solomon (B.S. '60); Tammy Shirley, a senior majoring in chemistry in Arts & Sciences; Matt Zinter, a senior majoring in biology in Arts & Sciences; Daniel Kohl, Ph.D., professor emeritus of biology; and Robert Paine, M.D., professor of clinical medicine. For more information, visit [ethicofservice.wustl.edu](http://ethicofservice.wustl.edu).

## Sports

### Women's track and field wins UAA title

The women's track and field team wrapped up the 2007 University Athletic Association (UAA) Outdoor Championships April 22 in a familiar position — first place.

The women picked up their eighth straight — and 11th overall — UAA outdoor team title, totaling 221 points.

The men also turned in a strong conference performance, placing third (131.33 points) in the seven-team event.

On the final day of competition, the women added three individual titles to bring their two-day total to seven.

The 4x400-meter relay squad continued its reign atop the conference, winning the event for the seventh straight outdoor season.

Sophomore Alli Alberts defended her championship in the javelin with a throw of 37.19 meters (122-0), while freshman Molly Schlamb won the 800-meter run in 2:18.25.

Sophomore Tanner Coghill and freshman Keith England turned in UAA-championship performances to pace the Bears men.

Coghill won the 400-meter hurdles in 54.31, while England notched a personal-best throw of 56.97 meters (just .33 meters shy of recording an NCAA provisional mark) to win the javelin.

### Women's tennis fifth at UAA Championship

The women's tennis team picked up two wins to take fifth place at the 2007 UAA Championship April 21 in Cleveland.

The Bears opened the day with a 9-0 win against host Case Western Reserve University, and they closed out competition with a marathon 5-4 victory against Brandeis University.

On April 20, the Bears fell to New York University, 7-2, in the first round of the UAA Championship. Earlier in the week, WUSTL upended Principia College, 9-0, but fell to Southern Illinois University Edwardsville, 7-2.

### Men's tennis defeats Principia and SIUE

The No. 9 men's tennis team posted 9-0 victories against Principia and Division II SIUE last week. The Bears have won 11 straight matches and improved their overall record to 15-3.

### Baseball defeats Illinois Wesleyan, 5-1

The No. 10 baseball team defeated Illinois Wesleyan University, 5-1, April 19 in Bloomington, Ill. The Bears, who ended the Titans' 15-game winning streak, improved to 24-8.

Sophomore righthander Brian

Williams moved to a team-best 9-2 with his seventh complete game of the year. He struck out three and allowed eight hits with no walks.

### Softball extends winning streak to 13

The No. 23 softball team extended its winning streak to 13 games with doubleheader sweeps at home against Blackburn College and Illinois College.

The Bears posted a 4-1 victory in Game 1 against Illinois College and then took Game 2, 6-2. Senior Laurel Sagartz (16-1) picked up the win, allowing two hits and one earned run. She also struck out 16 batters.

Senior Abby Morgan (5-3) picked up the win in Game 2, pitching 4 1/3 innings while allowing eight hits and one earned run.

Sagartz got her first save of the year in 2 2/3 innings, allowing just one hit. She also struck out five to move into 10th on the all-time Division III list with 765 career strikeouts.

The Bears won both games in five innings against Blackburn, posting a 10-0 win in Game 1 and a 24-2 victory in Game 2. Senior Jamie Kressel connected on four of the Bears' 10 home runs, moving past Liz Swary (2002-05) into first place on the all-time WUSTL home run list with 31.

ion events throughout the area.

This marks the show's 13th appearance at Saint Louis Galleria. For the 15th year, the models' hair will be done by Dominic Bertani of the Dominic Michael Salon. Other organizers include Michael O'Keefe of Technical Productions and Gretchen Hafferkamp of Premiere Rentals. The models' makeup will be done by MAC.

Outstanding student designers receive a variety of scholarships, cash prizes and awards. The Dominic Michael Silver Scissors Designer of the Year Award is presented to one outstanding senior at the end of the evening. Block sponsors the Silver Ripper Award, presented to one outstanding junior. Kairuz sponsors the Coordinator's Choice for Most Inspiring Designer, which can go to either a junior or senior.

Last year, approximately 500 people attended the event, raising about \$50,000 for the Fashion Design program.

The Fashion Design Show dates back to 1929, when Irving L. Sorger — merchandise manager for Kline's, a tony St. Louis department store — organized a show of

student works for local garment manufacturers. Eight dresses were selected for production, sales surpassed expectations and juniors fashions became a staple of the city's burgeoning garment industry.

In 1941, the University became home to what is believed to be the nation's first four-year, degree-granting fashion program. Alumni over the years have included major designers such as Paula Varsalona and Carolyne Roehm. Recent graduates have worked for major fashion houses and clothing retailers, including Ralph Lauren, Tommy Hilfiger, Calvin Klein, Christian Dior, Nanette Lepore, Lilly Pulitzer, Nike, Lands' End, Badgley Mischka and Prada.

Tickets are \$65 and are available through the Edison Theatre Box Office at 935-6543 and at the Galleria Concierge Service Center. A limited number of tickets will be available at the door. Student tickets are \$35 and are available only through Edison Theatre.

For more information, call the 24-hour hotline at 935-9090.

## Chancellor's Concert features Carl Orff's 'Carmina Burana'

The Washington University Concert Choir and the Washington University Symphony Orchestra will present the 2007 Chancellor's Concert at 3 p.m. April 29 in the University's E. Desmond Lee Auditorium at 560 Trinity Ave.

The free, public concert includes Carl Orff's "Carmina Burana" (Songs of Beuren) and Zoltán Kodály's "Dances of Galánta."

Dan Presgrave, instrumental music coordinator in the Department of Music in Arts & Sciences, conducts the 70-plus-member Symphony Orchestra as well as the 60-plus-member Concert Choir. Soloists are soprano Megan Higgins, tenor Joseph Michaels and baritone Nathan Ruggles — all recent master's degree recipients in vocal performance.

Also joining the concert will be the Kirkwood Children's Chorale directed by Mary Poshak. John Stewart is director of the Concert Choir.

The program will highlight Orff's popular cantata "Carmina Burana," which combines 20th-century music with medieval texts. A native of Munich, Germany, Orff (1895-1982) based his "Carmina Burana" on a large collection of 13th-century secular poems and songs composed in Latin mainly by a group of rebellious clergy known as the go-liards.

The original manuscript totals several hundred works on four central themes: moralizing satires (carmina moralia), celebrations of springtime and love (carmina veris et amoris), gambling and drinking songs (carmina lusorum et potatorum) and religious

works (carmina divina).

Orff selected 24 of these and set them to his own music, thus creating one of the 20th century's most performed works for chorus and orchestra. The piece also includes a large percussion battery with multiple bells, cymbals, timpani and drums, as well as two pianos.

Conceived as a staged "theater cantata," it consists of three themed sections — "Primo vere" (In Springtime), "In Taberna" (In the Tavern) and "Cour d'amours" (The Court of Love) — that unite music, poetry and drama.

Orff's "Carmina Burana" premiered in Frankfurt, Germany, in 1937 and has received numerous stagings in Europe and America, though it is more typically presented in a concert version (as performed here) without staging. While it remains his best-known work, it is actually the first part of a musical triptych that includes "Catulli Carmina" and "Trionfo di Afrodite." Orff also is remembered for developing innovative methods and instruments for teaching music to children.

"Dances of Galánta" was composed by Hungarian Kodály (1882-1967). Kodály sought to document and reflect the folk music of his native country. "Dances of Galánta" — inspired by music the composer heard growing up in the village of Galánta — includes several elements drawn from gypsy traditions, notably the use of the clarinet and the syncopated rhythms and contrasting tempos of the verbunkos, a Hungarian genre adapted by gypsy bands.

For more information, call 935-4841 or e-mail [staylor@wustl.edu](mailto:staylor@wustl.edu).

## Summer Metro pass renewal begins

Eligible employees may now register for a summer 2007 U-Pass, or Universal Metro Pass, allowing free use of Metro, the region's public transportation system. Full-time students who have registered for the fall semester may request a pass beginning April 30.

The spring U-Pass is valid through May 21.

To register for a no-charge summer pass, valid May 15-Aug. 26, visit the Parking and Transportation Services Web site at [parking.wustl.edu](http://parking.wustl.edu).

A new feature allows employees to use their Human Resources Management System (HRMS) self-service user ID and password to log in. For help, call the HRMS helpdesk at 935-5707. Students will access the system using their WebSTAC login.

The U-Pass program, funded by the University, provides

benefits-eligible faculty and staff, full-time students and full-time employees of basic service contractors a pass that allows free boarding of any Metro bus or MetroLink light-rail system train.

Summer U-Passes may be picked up at these distribution centers on the Danforth and Medical School campuses:

- Danforth Campus: 11 a.m.-3 p.m. May 14-16 in Mallinckrodt Student Center

- Medical School Campus: 11 a.m.-3 p.m. May 8-10 in the Olin Residence Hall gym at 4550 Scott Ave.

Starting May 17, passes not picked up at the distribution centers may be picked up from 8:30 a.m.-5 p.m. Monday-Friday at the Parking and Transportation Services office at 700 Rosedale Ave. on North Campus.

For more information, call 935-5601.

## Show

### Money raised benefits Fashion Design program

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seniors' signature collections, each a fully coordinated clothing line tailored to a specific audience and based on a specific theme. This year's signature collections will range from cocktail dresses and sportswear to menswear and lingerie.

As in past years, the show will conclude with a single student-designed wedding gown, chosen by competition. This year's juror was alumna Emily Hornstein (BFA '02), who returned to campus last fall as a guest lecturer in the annual Fashion Futures Workshop. The winning gown by senior Yehua Yang was inspired by the intricate shapes of undersea coral and is constructed of silk douppioni and tulle.

The Fashion Design Show is chaired by alumna Susan Block (BFA '76) and coordinated by Jane Kairuz, who organizes fash-

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## ADHD

— from Page 1

gathering information on 1,540 twins between 7 and 18 years old. A parent from each family, usually the mother, completed diagnostic interviews about both twins to determine whether either had ADHD symptoms or other behavioral problems. The researchers also studied DNA from twins in 557 of those families. The mothers were asked about smoking and complications during their pregnancy.

"Almost 25 percent of the mothers said they had smoked when they were pregnant," said lead author Rosalind J. Neuman, Ph.D., research professor of mathematics in psychiatry. "We classified mothers as smokers if they reported smoking at all while pregnant, and we think that's fairly representative because of those who reported smoking at all during pregnancy, 75 percent continued to smoke during all three trimesters, and another 10 percent smoked in two of the three trimesters."

In this study, Neuman, Todd and colleagues concentrated on two of the candidate genes linked to ADHD risk in past research. One is the DRD4 gene on chromosome 11 and the second is the DAT1 gene on chromosome 5. Both genes are part of the brain's dopamine system, and animal studies have shown that

dopamine activity is related to attention. Common variants in both genes have been linked to small increases in ADHD risk.

"We looked at these particular genes because stimulant medications used to treat ADHD are known to increase dopamine at synapses between brain cells, and that's where the protein products of these genes are located," Todd said. "These same cells also possess the nicotinic receptors that smoking activates, which also increases dopamine."

There are 18 diagnostic symptoms that can go into an ADHD diagnosis, nine involving attention and nine involving hyperactivity and impulsivity. Under the current criteria in the American Psychiatric Association's Diagnostic and Statistical Manual of Mental Disorders, Fourth Edition (DSM-IV), a child must have six or more symptoms to have a diagnosis of ADHD.

A child with at least six inattentive symptoms is classified as inattentive. Six or more of the hyperactive symptoms classifies a child as hyperactive. Six or more from both categories is known as the combined subtype of ADHD. Children with the DRD4 and DAT1 genes whose mothers smoked during pregnancy tended to be at risk for that severe, combined subtype.

Interestingly, even children who didn't officially have ADHD did have more symptoms of the disorder if they had been exposed to cigarette use in utero or had the

genetic variations related to risk.

"There were statistically significant differences just comparing the number of ADHD symptoms a child had when the mother smoked versus the number of symptoms in kids whose mothers didn't smoke during pregnancy," Neuman said. "We also found that whether or not they actually met diagnostic criteria for ADHD, kids prenatally exposed to cigarette smoke who had a risk variant in either their DRD4 or DAT1 gene also had more symptoms."

Neuman and Todd said those children might be thought of as having sub-syndromal forms of ADHD, too mild to be diagnosed officially but probably related to both their genetic makeup and to prenatal exposure to cigarettes.

In future studies, the researchers hope to gather more data, such as whether either the mother or father have ADHD symptoms themselves or whether children are growing up in houses where both mother and father smoke, potentially affecting brain development. And as the studies continue, the investigators plan to focus on the interplay of genetic and environmental factors rather than considering them separately.

"The important thing we've learned is that the risks were not just cumulative, but they were interactive," Todd said. "It's the interplay of genetic and environmental effects that seems to determine which children develop ADHD, so in future studies, we want to focus on that interaction."

- Ashok Misra, director of the Indian Institute of Technology Bombay
- B.B. Bhattacharya, vice chancellor of Jawaharlal Nehru University
- Ural Akbulut, rector of Middle East Technical University
- Si-Chen Lee, president of National Taiwan University
- Binglin Gu, president of Tsinghua University
- Lap-Chee Tsui, vice chancellor of University of Hong Kong
- Usman Chatib Warsa, rector of University of Indonesia
- Jung Chang Young, president of Yonsei University
- In addition to the presidents, other academic leaders from the 12 institutions will be attending, as will delegations from:
  - Bogaziçi University, Istanbul, Turkey
  - Interdisciplinary Center Herzliya, Israel
  - Korea University
  - National University of Singapore
  - Peking University
  - Seoul National University
  - Technion - Israel Institute of Technology
  - University of Tokyo

ing issues of energy and the environment.

The day includes a talk by Hugh Grant, chairman, president and CEO of Monsanto Co. Ralph J. Cicerone, Ph.D., president of the National Academy of Sciences, also will address the group May 5.

May 6-7 will be devoted to presentations and workshops by scholars with special expertise in energy and the environment.

The May 6 session will begin with a keynote lecture on sustainability in urban areas by John C. Crittenden, Ph.D., the Richard Snell Presidential Chair of Civil and Environmental Engineering and director of the Sustainable Technologies program at Arizona State University.

The remainder of the symposium will be organized into sections, including energy and environment, air quality, and water resources and sustainable systems.

In addition, there will be a presentation by Michael Adams, son of famed environmental photographer Ansel Adams and an exhibition of Ansel Adams' work titled "Photographs on the Environment."

A novel concept of collecting educational materials from the 20 Partner Universities is being planned. In addition to compiling such information — much of which is available at [eed.wustl.edu](http://eed.wustl.edu) — the McDonnell Academy will explore technological tools that will allow faculty at the Partner Universities to communicate more easily with each other.

Corporate sponsors of the symposium are AmerenUE, ExxonMobil Corp., V. Kann Rasmussen Foundation and Arch Coal Inc.

For a preliminary program of symposium events, visit [eer.wustl.edu](http://eer.wustl.edu). For more information, call Kim Coleman at 935-5548 or e-mail [kcole@seas.wustl.edu](mailto:kcole@seas.wustl.edu).

### Scheduled attendees

The following university presidents are scheduled to attend the symposium:

- Zhang-lian Chen, president of China Agricultural University
- Lawrence J. Lau, president of the Chinese University of Hong Kong
- Khunying Suchada Kiranandana, president of Chulalongkorn University
- Shenghong Wang, president of Fudan University

## Danforth and four faculty honored by Academy of Science-St. Louis

By TONY FITZPATRICK

Chancellor Emeritus William H. Danforth, M.D., and four faculty members were honored at the Academy of Science-St. Louis' annual dinner April 24 at the Chase Park Plaza in St. Louis.

Danforth received a Science Leadership Award for a lifetime of contributions to science and medicine as a renowned physician and mentor, vice chancellor in charge of medicine, chancellor and founding chair of the Donald Danforth Plant Science Center.

Robert M. Senior, M.D., the Dorothy R. and Hubert C. Moog Professor of Pulmonary Diseases in Medicine and professor of cell biology and physiology, was honored as a fellow in the Academy.

Senior studies mechanisms of lung remodeling that occur during lung development and destructive lung diseases such as emphysema. He is internationally known for research on the cellular mechanisms of remodeling the extracellular matrix and is well recognized in the pulmonary community as a master clinician, teacher and scientist.

Alfred P. Fishman, M.D., senior associate dean for program development at the University of Pennsylvania School of Medicine, said of Senior, "Under his leadership, the training and research program in St. Louis has evolved into a shining national model for research and training in pulmonary medicine."

Philip D. Stahl, Ph.D., the Edward C. Mallinckrodt Jr. Professor and head of the Department of Cell Biology and Physiology, received a Peter H. Raven Lifetime Award.

Stahl's research has focused on understanding the process of endocytosis in cells. Endocytosis is necessary for cell protection and cell signaling, and the Stahl laboratory has made key contributions to both areas. Early work led to the discovery of the mannose receptor, a component of the innate immune system.

More recent work has helped unraveled the role of endocytosis in cell signaling and signal attenuation, an important regulatory checkpoint in many diseases. His mentoring of scientists, in particular women, in the cell biology and physiology is legendary.

Siamon Gordon, the Glaxo-Wellcome Professor of Cellular Pathology at the University of Oxford, said of Stahl, "Over the years, he has always been generous with his advice and reagents, mentor-

ing generations of students and postdoctoral scientists, many of them now scattered throughout the world."

David C. Van Essen, Ph.D., the Edison Professor of Neurobiology and head of the Department of Anatomy and Neurobiology, also received a Peter H. Raven Lifetime Award.

Van Essen is internationally known for his research on how the brain organizes and processes visual information and has been among the pioneers in the biological study of the brain. His work has helped to develop powerful new techniques in computerized brain mapping.

Eric Knudsen, Ph.D., professor and chair of neurobiology at Stanford University Medical Center, said of Van Essen: "He is without a doubt one of the most influential figures in systems neuroscience of the past quarter of a century. It is remarkable that Van Essen has been able to maintain a world-class laboratory and simultaneously perform such a broad range of leadership roles for the international community of neuroscience."

Eric C. Leuthardt, M.D., assistant professor of neurological surgery and of neurobiology and biomedical engineering director of the Center for Innovation in Neuroscience and Technology, received an Innovation Award.

Considered a "rising star" in academic neurosurgery, his research on the brain-computer interface changed the discipline. Leuthardt's work has the potential to revolutionize neurosurgery, neurology and rehabilitative medicine, said Ralph G. Dacey Jr., M.D., the Henry G. and Edith R. Schwartz Professor and chair of the Department of Neurological Surgery.

His integrated approach of using biomedical engineering, clinical neurosurgery, mathematical modeling, complex signal analysis and computer programming garnered him honors as one of the Top Young Innovators in the Massachusetts Institute of Technology magazine, Technology Review.

He has 24 patents pending for medical devices and brain-computer interface technologies.

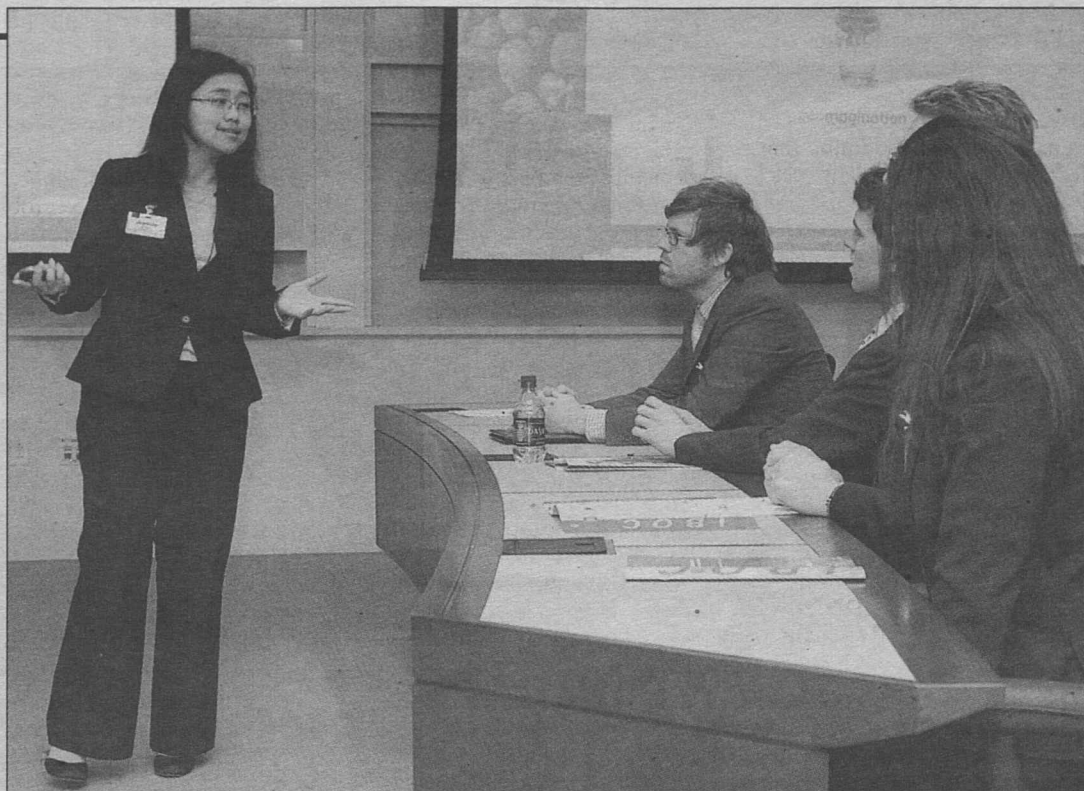
His work includes telepathic control of machines, such as telepathically playing a video game; computer-controlled neurosurgical tools; and healing aids, such as a less invasive carbon fiber composite "spine" in place of the exoskeleton device worn after spinal surgery.



**Outstanding mentors** Recipients of the 2007 Outstanding Faculty Mentor Awards share a laugh following the awards ceremony April 18 in the Ann W. Olin Women's Building Formal Lounge. They are (from left) Amanda Moore McBride, Ph.D., assistant professor in the George Warren Brown School of Social Work; Erin H. McGlothlin, Ph.D., assistant professor of German in Arts & Sciences; Karen L. Wooley, Ph.D., the James S. McDonnell Distinguished University Professor in Arts & Sciences and professor of chemistry; Louis J. Muglia, M.D., Ph.D., professor of pediatrics and of molecular biology and pharmacology at the School of Medicine; and David L. Browman, Ph.D., professor of anthropology in Arts & Sciences. The awards are sponsored by the Graduate Student Senate of Arts & Sciences.



## Notables



**Offering answers** Jeannie Chan, a 2008 MBA candidate, discusses her research with representatives from General Electric Co. at the International Business Outlook Conference (IBOC) April 20 at the Olin School of Business. This year's conference showcased several Olin MBA students who have provided leadership in finding solutions for global institutions. G.E., Emerson, Monsanto Co. and the Missouri Botanical Garden identified key international business issues they wish to solve and assigned related research objectives to MBA student teams as part of the school's experiential learning program. Students presented their solutions to IBOC attendees. Afterward, a senior executive from each company addressed these and other issues that companies face in the global arena. More than 100 people registered for the student-organized event.

## Orozco wins biology's Spector Award

BY TONY FITZPATRICK

Jonathan Garst Orozco has been named winner of the Department of Biology in Arts & Sciences Spector Award.

Each year, the biology department awards the prize in memory of Marion Smith Spector, a 1938 graduate of the University who studied zoology under the late Viktor Hamburger, Ph.D., professor of biology.

Hamburger was a prominent developmental biologist who made many important contributions while he was on the faculty.

Orozco, a senior, worked in the lab of Lawrence Salkoff, Ph.D., professor of anatomy and neurobiology and of genetics at the School of Medicine.

His thesis was titled "Cumulative Activation of a

Voltage-dependent Potassium Channel." Orozco plans to enter the doctoral program in neurobiology at Harvard University in the fall.

As part of the departmental recognition of his outstanding work, Orozco will present a research talk at a special biology department seminar at 4 p.m. April 30 in Room 332 of Rebstock Hall, followed by a reception in Room 309.

Friends, colleagues, co-workers, biology faculty and other researchers are invited to attend.

The Spector prize was first awarded in 1974 to recognize academic excellence and outstanding undergraduate achievement in research.

Students are nominated by their research mentors for making substantial contributions to the field.

For more information, call 935-6881.

## Student light-rail proposals win award

Collaborative studio led by Luoni, former visiting professor

BY LIAM OTTEN

A collaborative light-rail master plan involving close to 50 architecture students from WUSTL and the University of Arkansas (UA) has won a national Education Honor Award from the American Institute of Architects (AIA).

The award, one of only three given this year, will be presented in May during the AIA National Convention in San Antonio. It honors "Visioning Rail Transit in Northwest Arkansas: Lifestyles and Ecologies," a regional-planning studio that explored how light-rail and associated transit-oriented development might ease traffic gridlock, spur downtown revitalization and check sprawl in the Fayetteville metropolitan area.

"This is an effective use of scenario planning with legible, impactful graphics that can be shown to the community," noted the AIA jury. "There is an appealing levity in the work."

"Visioning Rail Transit" was launched last spring by the Community Design Center (CDC), an outreach of UA's School of Architecture. Three studios involving 40 students researched regional demographic and economic trends, used abstract models and mapping exercises to explore possibilities for growth and presented a series of

development scenarios.

The project continued last fall at WUSTL's Sam Fox School of Design & Visual Arts, where Stephen Luoni, director of the CDC, served as the Ruth and Norman Moore Visiting Professor in Architecture. Building on the UA work, nine students in the Graduate School of Architecture & Urban Design developed proposals for transit-oriented neighborhoods anchored by mixed-use train stations at three key Fayetteville sites: Drake Field, Dickson Street and the Northwest Arkansas Mall.

"If Northwest Arkansas is still relying on fossil fuels by 2020, that will be the death knell for further

economic development," Luoni said. "By then, business will go to those areas using renewable energy sources because ultimately, that will be cheaper." Creative, cutting-edge businesses also factor in quality of life in their decision-making. "People want affordable downtown housing, which transit-oriented development would foster," he added. "And they're tired of sitting in traffic."

The Education Honor Awards, now in their 18th year, recognize collegiate faculty achievements and contributions to education and the discipline of architecture.

Other 2007 recipients are the University of Virginia and Iowa State University.

## Justice

— from Page 1

abuse of her was not brought into evidence at the time of her original trial. She also already had served more than three times the average amount of time served for a violent felony in Missouri.

On Sept. 15, 2006, the clinic filed a writ of habeas corpus in the state's highest court asking for Lute's immediate release. During oral arguments March 8, Aiken and Bradbury, who served as sec-

ond chair, argued, "The parole board grossly exceeded its authority when it ignored the governor's intent and instead of weighing the merits of Shirley Lute's exit plan, focused on the commission of the original crime," Aiken said.

In their written opinion, the Missouri Supreme Court held that while the commutation "might not have explicitly stated that the governor had considered 'the seriousness of the present offense,' that is necessarily implied because otherwise the governor would not have recommended ... parole after considering the facts."

## Business school honors five alumni at dinner

BY SHULA NEUMAN

Four alumni of the John M. Olin School of Business received Distinguished Alumni Awards April 19 at the school's annual dinner at The Ritz-Carlton, St. Louis. Mahendra R. Gupta, Ph.D., dean of the business school, presented the Dean's Medal at the same dinner.

Alumni awards are bestowed annually to recognize those who have achieved distinction in their fields and for embodying the qualities of leadership, integrity and commitment that the Olin School seeks to instill in its students. This year's recipients are David Becker (MBA '89), Carl Casale (EMBA '92), Barbara Ann Feiner (MBA '83) and Steven Stull (BSBA '81, MBA '85).

The Dean's Medal, which is awarded to those whose dedication and service to the business school have been exceptional, was presented to W. Patrick McGinnis (MBA '72).

Becker is president and COO of Cottingham & Butler, a leading risk management and employee benefits insurance broker. In 1989, Becker earned a bachelor's degree in computer science and an MBA, magna cum laude. After graduation, he worked for IBM in St. Louis for four years before attending Harvard Law School, where he earned a doctorate of law, magna cum laude.

Becker then worked at McKinsey & Company, where he became a partner specializing in marketing and distribution. Becker serves on the Olin National Council and as president of the Greater Dubuque Development Corp. board of directors. He is active in the United Way and is developing a college scholarship program.

As Monsanto Co.'s executive vice president, Casale holds commercial responsibility for all of the global agricultural and biotechnology company's businesses in North America and Latin America North. Casale went to work for Monsanto in 1984 as a Walla Walla, Wash., sales representative after earning a bachelor's degree in agricultural economics from Oregon State University.

Casale moved up through the company, came to its St. Louis headquarters and worked on a team developing new business concepts while enrolled in Olin's Executive MBA program, from which he graduated in 1992.

Casale serves on the Oregon State University Foundation board of trustees and is treasurer and immediate past chairman of CropLife America, a board member of the Wyman Center and chairman of the Monsanto Fund and Monsanto Citizen Fund.

Feiner, vice chancellor for finance and CFO at WUSTL,

earned an MBA from Olin in 1983. She spent 13 years working for Edison Brothers Stores Inc. She joined the University's administrative team in 1996 as director of investment management, rising to CFO in 1998 and in 1999, to her current position. Feiner has served as Olin's Alumni Association president, chair of the Alumni Board of Governors and board member and treasurer of the University Corporation for Atmospheric Research. She is a member of the investment committee of a St. Louis prep school and a member of her parish's finance committee.

Stull, CEO and president of Advantage Capital Partners, earned a BSBA degree in 1981 and an MBA in 1985 from the Olin School. Advantage Capital is a private-equity firm with more than \$800 million dollars in capital and is nationally recognized for its efforts in small-business capital formation, particularly for businesses located in distressed communities or geographically underserved areas where little or no venture capital infrastructure exists.

Examples of companies in which Advantage has invested, and which subsequently have gone public, include Stereotaxis, Birch Telecom, Savvis Communications, Omni Energy and Hoku Scientific. Before founding Advantage Capital, Stull headed General American Life Insurance Co.'s securities division, managing portfolios of both public and privately traded investments.

After earning a bachelor's degree in political science and economics from the University of Denver, McGinnis came to Olin with no business training. He joined Ralston Purina Co.'s marketing organization in 1972 — the same year he earned an MBA — and rose through the ranks. When Nestlé acquired Purina in 2001, he became president and CEO of Nestlé Purina PetCare Co. McGinnis has provided opportunities for Olin students through executive education support, internships and career opportunities. Under his influence, Nestlé Purina PetCare has partnered with Olin to create a corporate development program to help strengthen and evolve the company's category leadership. McGinnis serves on Olin's National Council and the University's Board of Trustees. During the Campaign for Washington University, he established the W. Patrick McGinnis Professorship in Business. He is a Danforth Circle member of the William Greenleaf Eliot Society.

McGinnis has many family ties to the University: His older son earned an MBA from Olin, his brother holds a BSBA from Olin and his father is a graduate of the School of Medicine.

The ruling is gratifying, Aiken said.

"We are thrilled that our client will finally receive the justice she deserves," she said. "It has been a long time coming, but we are relieved that the court has followed Governor Holden's intent. Ms. Lute has been a model prisoner and has more than served enough time to satisfy the state's interests in retribution, public safety, punishment and deterrence. This is an important victory for victims of domestic violence."

Bradbury added: "It has been an amazing experience to be involved in this case and to work so

closely with Professor Aiken. It is a tremendous feeling that as part of my law school education, I was able to help bring justice to Shirley Lute. I eagerly await the day she walks out of prison."

In addition to Aiken and Bradbury, clinic attorney Stephen Ryals, the Missouri Battered Women's Clemency Coalition, and other students and faculty in the clinic worked on Lute's case. Students handled Lute's clemency application, assisted in her parole hearing and filed documents with the Livingston County Circuit Court and the Missouri Supreme Court.



## Washington People

**M**ichael Valente, Ph.D., professor of otolaryngology, tells a story that perfectly illustrates the Zen adage, "When the student is ready, the teacher appears."

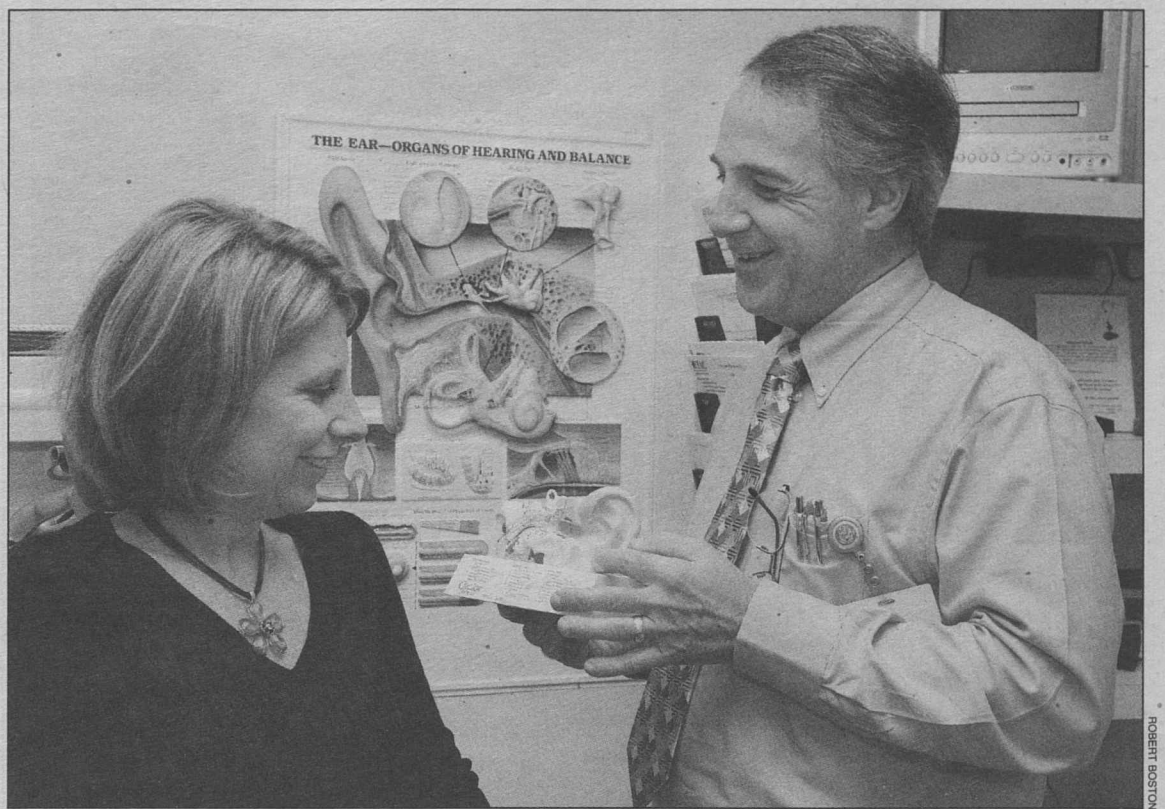
One evening back in the early 1970s, he was sitting alone in a bar on Long Island, N.Y. "I must have looked sad or pensive," Valente says. A fellow patron at the bar looked over and asked what was wrong. "I told him, 'Oh, I'm pursuing a law degree, but I'm not sure I really want to be a lawyer.'"

The man started talking about his work — he directed a speech and hearing clinic at Nassau County Hospital, one of the largest hospitals on Long Island. He invited Valente to visit the clinic.

"When he was explaining what he did, it sounded interesting," Valente says. "So I went down to the clinic. I spent the whole day there, and I found it really fascinating. He gave me some information on how to pursue a career in the field."

The chance meeting sent Valente down a new path, one that's led him to become director of the Division of Adult Audiology in the Department of Otolaryngology.

By GWEN ERICSON



Michael Valente, Ph.D., shows Lori Henkener, a clinical speech pathologist in the Department of Otolaryngology, a model of the human ear. "Mike will do anything to pitch in and help," says Richard A. Chole, M.D., Ph.D. "He's a great team player, and our department has definitely benefited from that. He has established an extremely high-quality audiology program here, and we are fortunate to have him as a world leader in audiology care and research."

## A matter of circumstance

Chance encounter led Michael Valente to forego law and take on audiology

Valente left his law studies soon after the Nassau County Hospital tour and attended nearby Adelphi University on a scholarship. There, he earned a master's degree in audiology, a branch of medicine that treats hearing loss. After finishing the program, Valente, who describes himself as a perpetual student, pursued a doctorate in audiology at the University of Illinois.

Valente was a professor at Central Missouri State University and at the University of Missouri-Columbia. In between these two appointments, he worked for the Veterans Administration (VA) in Omaha, Neb., and in Atlanta.

But 20 years ago, he accepted a position at the School of Medicine, and the move to St. Louis has proven an excellent one.

Sitting in his 11th-floor office in the Center for Advanced Medicine (CAM) where east-facing windows provide a panoramic view of the Gateway Arch and the Medical Campus, Valente says, "I wear four hats: I administer our three offices, I conduct research on hearing-aid technology, I see patients and I teach — and I love every bit of it."

The Adult Audiology program has offices in the CAM, at the Central Institute for the Deaf (CID) and in Creve Coeur, Mo. The medical school is one of the largest sites for audiology training in the country.

"Mike will do anything to pitch

in and help," says Richard A. Chole, M.D., Ph.D., the Lindburg Professor and head of the Department of Otolaryngology and professor of molecular biology and pharmacology. "He's a great team player, and our department has definitely benefited from that. He has established an extremely high-quality audiology program here, and we are fortunate to have him as a world leader in audiology care and research."

Valente was on staff when Chole joined the department nine years ago, and Chole says, "He taught me the ropes." He says Valente also provided strong support when Chole was working to integrate CID programs, including its hearing research, adult clinical care and advanced-degree programs, into the otolaryngology department. That alliance was approved in 2003.

Diane Duddy, whom Valente calls his second-in-command, says she has been delighted to work with him since 1995. Duddy is a clinical audiologist supervisor in the division and helps administer the clinics.

"Dr. Valente is a wonderful, encouraging person," Duddy says. "It's clear that he values the opinions of all the audiologists on the staff, and he's very conscientious about making sure they have opportunities in all aspects of the profession. Moreover, he's strongly committed to providing excellent and nationally renowned patient care."

### Helping hear

In the clinics, Valente sees patients with varying types of hearing loss. A lot can go wrong with the ear — wax builds up, tiny bones in the ear grow stiff, an eardrum becomes punctured, the sound-sensing cilia in the inner ear get damaged or the nerves that carry sound information to the brain weaken.

In fact, about a third of people age 65-75 and up to half of those older than 75 have some hearing loss. Valente and his staff work with physicians to identify the underlying cause of the problem so the appropriate treatment can be implemented.

Sometimes, the solution is surgical; sometimes, a drug can improve hearing. But usually what a patient needs is a hearing aid.

And that's where Valente fo-

cuses much of his attention — his specialty is amplification of sound with hearing aids.

"Hearing aids have changed dramatically in the past 10 years, and now every three to six months, we have a major refinement of the technology," Valente says. "My own research has been in hearing amplification and how to better fit hearing aids to patients. I'm constantly working to keep up with the technology and testing it to see if new developments really do improve sound quality and speech intelligibility."

People can lose hearing in the upper, lower or middle ranges of the auditory spectrum.

Hearing tests measure that loss and indicate to the audiologist the kind of hearing aid needed and the settings it should use — that's what audiologists call "fitting a hearing aid."

But, Valente points out, it's also critical to then measure the sound in the ear of the patient while he or she wears the hearing aid and make further adjustments — a step that may be omitted at other hearing clinics.

The complexity of fitting hearing aids often leads to a poor fit, so while hearing-aid technology is much better than in the past, that doesn't mean patients always get the full benefit.

"If you went to 10 different places in the United States to have a hearing aid fitted, you would be fitted 10 different ways," Valente says.

Such inconsistency induced Valente to take on chairing a national task force with the American Academy of Audiology.

The job entailed three years working to establish a national guideline for fitting hearing aids in adults.

The task force published its results in 2006.

Valente may not have imagined himself influencing medical policy on a national level when he was a law student pondering his future in a bar on Long Island.

"But I'm still the same person as I was at Central Missouri State and at the VA," Valente says. "I had things I wanted to do then, but the environment wasn't there to help me get them done. Here I've had incredible resources that have allowed me to accomplish what I have. Importantly, the department chairs I've worked with, Dr. John Fredrickson and now Dr. Chole, have been terrifically supportive."

### No longer Italian

Valente is such a forthright, candid person that it's surprising how mysterious his background is. At age 3, he wound up in an orphanage for reasons he still doesn't fully understand.

"There was a tragedy in the family, but to this date, I don't know what it was," he says. "But I know my parents couldn't take care of the four of us — three boys and a girl — so we were sent to an orphanage."

When he was 8, Valente went into the foster-care system and grew up in several foster homes in Brooklyn, N.Y., and Long Island. Not knowing much about his family history, he assumed his name was of Italian origin. Then, two years ago while writing his autobiography — "for my beautiful wife and two beautiful daughters," he says — he looked up his parent's records on Ellis Island, a major portal for immigrants from 1892-1954.

"I found out I'm not Italian, I'm Portuguese — my father came from Portugal!" Valente exclaims. "For 58 years, I'm telling everybody I'm Italian. My daughters cracked up when I told them. They said they were going to have to get rid of their 'I'm proud to be Italian' T-shirts."

Valente can now laugh about his past and expresses no bitterness. "It shows you can overcome adversity," he says. "You can have a tough upbringing, but it doesn't mean you can't succeed."

### Michael Valente

**Family:** Wife, L. Maureen Valente, Ph.D., director of audiology studies for the Program in Audiology and Communication Sciences and assistant professor of otolaryngology; children, Michelle, 28, and Anne, 25.

"My wife is much brighter than I am," Valente says. "Recently, she earned her doctorate in audiology while working full time at Saint Louis University, which is quite an amazing feat."

**Hobbies:** Running, biking, taking long walks with his wife and watching "American Idol" and "24." If he's traveling on a night "American Idol" airs, he'll log on to the Web site to see who's been voted off.

**Professional contributions:** Valente has written 10 audiology textbooks and is a reviewer for four medical journals.



The Valente family (from left), daughter, Michelle; wife, Maureen; daughter, Anne; and Michael, enjoys Easter brunch at a Chicago restaurant.