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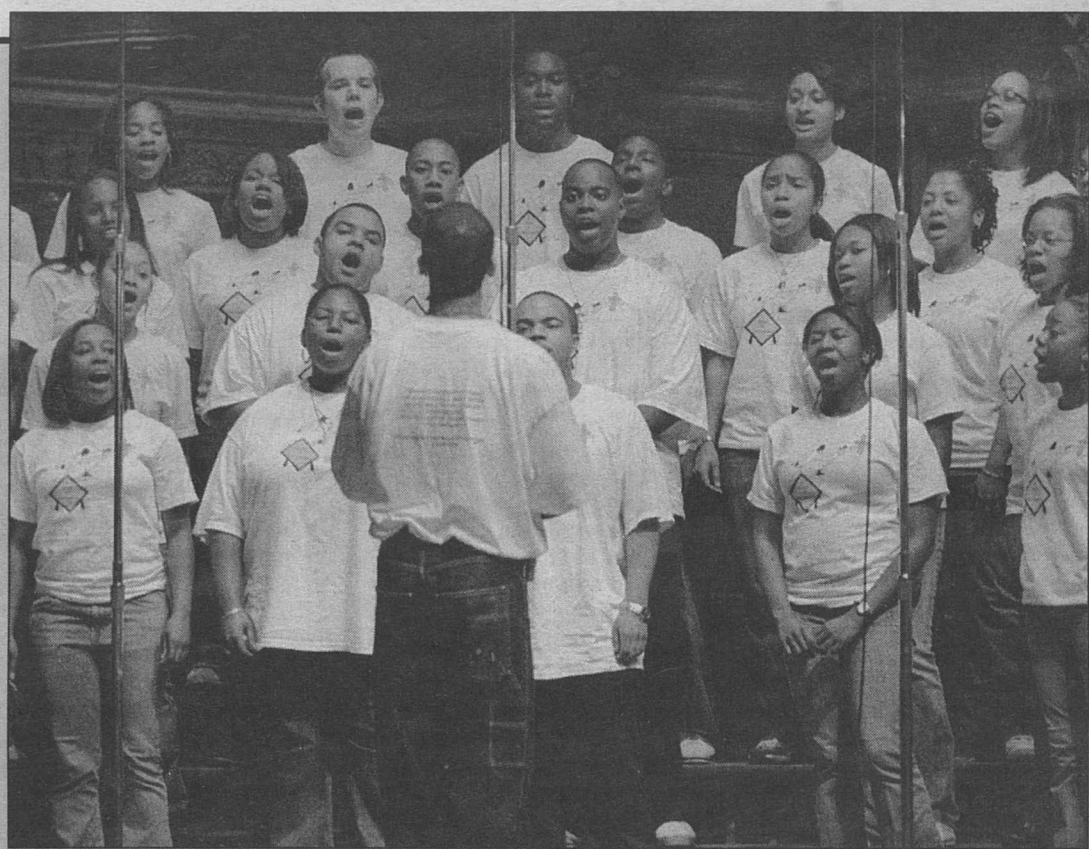
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Celebrating King's legacy Members of the University's Black Anthology group perform during "One Woman's Action ... One Man's Effort," WUSTL's 19th annual celebration honoring Martin Luther King Jr. Jan. 16 in Graham Chapel. The event included remarks by Chancellor Mark S. Wrighton (see Page 2); Margaret Bush Wilson, a prominent civil rights attorney in the 1960s and the first woman to chair the board of directors of the National Association for the Advancement of Colored People; and several student leaders. The YMCA Boys Choir also performed.

Guinier to lead off spring Assembly Series

By JEFF HAURYKIEWICZ & BARBARA REA

Influential civil rights expert and Harvard law professor Lani Guinier will begin the spring Assembly Series with the Chancellor's Fellowship keynote address at 11 a.m. Jan. 25 in Graham Chapel.

Other spring Assembly Series speakers will include Cornel West, the pre-eminent African-American public intellectual; Steven Squyres, principal investigator for the Mars Rovers project; *Super Size Me* filmmaker Morgan Spurlock; and WUSTL faculty members William H. Gass and Wayne D. Fields.

Assembly Series lectures are free and open to the public.

Guinier's talk, "Meritocracy INC: How Wealth Became Merit, Class Became Race, and College Education Became a Gift From the Poor to the Rich," will be followed by a panel discussion at 2 p.m. in the Women's Building Formal Lounge.

A graduate of Radcliffe College of Harvard University and of Yale Law School, Guinier became the first African-American woman to join the tenured faculty of Harvard Law School in 1998. Three years later, she became the Bennett Boskey Professor of Law.

She has dedicated her career to issues of racial justice, gender equity, and positive educational and democratic change within academia and the legal profession.



Guinier

Before joining the Harvard faculty, Guinier worked as a special assistant in the U.S. Department of Justice Civil Rights Division under President Jimmy Carter. She also worked for the NAACP's Legal Defense Fund, serving as assistant counsel and head of its Voting Rights Project.

During 10 years with the University of Pennsylvania, she researched the law-school experience of women, which resulted in the publication of her first book, *Becoming Gentlemen: Women, Law School and Institutional Change*.

In 1993, President Bill Clinton nominated her for assistant attorney general of the Justice Department's Civil Rights Division, only to have her nomination withdrawn amid controversy and without a confirmation hearing. She turned this experience into a personal and political memoir, *Lift Every Voice: Turning a Civil Rights Setback Into a New Vision of Social Justice*.

Since then, she has become a well-known commentator and has co-authored five books, including *The Tyranny of the Majority*, about issues of political representation; *Who's Qualified?* co-written with Susan Sturm, about undergraduate admissions and affirmative action; and her most well-known work, *The Miner's Canary: Enlisting Race, Resisting Power, Transforming Democracy*, co-written with Gerald Torres.

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Architecture dean advisory committee appointed

Chancellor Mark S. Wrighton has appointed an advisory committee to assist him in the search for the next dean of the College of Architecture and the Graduate School of Architecture & Urban Design.

Both the College of Architecture and the Graduate School of Architecture & Urban Design are part of the Sam Fox School of Design & Visual Arts, a new academic and administrative unit that also includes the College of Art, the Graduate School of Art and the Mildred Lane Kemper Art Museum.

The new individual will succeed current Architecture Dean Jerome J. Sincoff and will report directly to Carmon Colangelo, the recently appointed dean of the Sam Fox School, who will arrive on campus July 1.

The Advisory Committee for the Appointment of the Dean of the College of Architecture and the Graduate School of Architecture & Urban Design in the Sam Fox School of Design & Visual Arts is charged with identifying 3-5 individuals with the intellectual, administrative, personal and leadership qualities sought for

the new dean, said Wrighton, who hopes to complete the appointment process by July 1.

Wrighton has named William A. Peck, M.D., the Alan A. and Edith L. Wolff Distinguished Professor, as the committee's chair. Peck, former dean of the School of Medicine and executive vice chancellor for medical affairs, is director of the University's Center for Health Policy.

Other committee members are: **Rachel A. Doniger**, a graduate student in Architecture; **Paul Donnelly**, the Rebecca & John

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Study finds multisymptom condition is more prevalent among Persian Gulf vets

By MICHAEL C. PURDY

Comparing veterans deployed in the first Persian Gulf War with veterans deployed elsewhere at the same time has revealed veterans who served in the Persian Gulf have nearly twice the prevalence of chronic multisymptom illness (CMI), a cluster of symptoms similar to a set of conditions often called Gulf War Syndrome.

To be diagnosed with CMI, veterans must have had symptoms for more than six months in at least two of the following categories: fatigue; mood symptoms or difficulty thinking; and muscle or joint pain.

However, the study also found CMI in veterans who did not serve in the Gulf, suggesting that the Persian Gulf conflict isn't the only trigger for CMI.

"We're still not sure whether CMI is due to a single disease or pathological process," said the study's lead author, Melvin Blanchard, M.D., assistant professor of medicine and associate chief of medicine at the St. Louis Veterans Affairs (VA) Medical Center. "But this study has identified an intriguing association between CMI risk and diagnosis of depression and anxiety disorders prior to military service."

Other findings from the study include:

- Having CMI doubles the risk of developing metabolic syndrome, which is associated with increased risk of coronary heart disease, diabetes and cirrhosis of the liver;

- Veterans with CMI report much poorer quality of life and

poorer mental and physical functioning than unaffected veterans; and

- Veterans with CMI use more health-care services.

Also, although CMI is still much more common among deployed Gulf War veterans, veterans may be recovering, because the illness' prevalence appears to be declining as time passes.

Blanchard's study, published online by the *Journal of Epidemiology*, is part of the continuing analysis of data collected in a large VA-sponsored study, the "National Health Survey of Gulf War-Era Veterans and Their Families."

The data comes from physical evaluations of more than 2,000 veterans and their families conducted from 1999-2001. The study divided veterans into two groups: those who served in the Persian Gulf War, referred to as "deployed veterans," and those who served elsewhere during the war, referred to as "nondeployed veterans."

Among deployed veterans, CMI incidence was 28.9 percent; in nondeployed veterans, it was 15.8 percent.

"A key point is that 10 years after the first Gulf War, CMI was still much more prevalent among deployed than nondeployed veterans," Blanchard said. "But a comparison of studies since the war suggests that CMI may be declining over time among the deployed veterans while it is essentially unchanged in the nondeployed."

"In 1995, when a Centers for Disease Control study first evaluated Gulf War veterans' illnesses,

See Syndrome, Page 6



It's official John L. Hopfield, Ph.D. (center), president of the American Physical Society, presents a commemorative plaque to Chancellor Mark S. Wrighton designating Washington University as a site of historical significance to physics. Looking on during the ceremony held last month in the Women's Building Lounge is John W. Clark, Ph.D., the Wayman Crow Professor and chair of the Department of Physics in Arts & Sciences. The designation recognizes WUSTL as the site of Arthur Holly Compton's groundbreaking research on X-rays for which he received a Nobel Prize in 1927, the first for a WUSTL faculty member. Three talks about Compton, including a keynote address by Neal F. Lane, Ph.D., former director of the National Science Foundation, were given later that day in Crow Hall.

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Wrighton reaffirms WUSTL's commitment to diversity, inclusiveness

On the occasion of Martin Luther King Jr. Day Jan. 16, Chancellor Mark S. Wrighton addressed the University's continuing efforts to strengthen diversity, improve gender balance and be more inclusive and accepting.

Washington University is one of the finest research universities in the nation and, indeed, the world — thanks to the efforts of our faculty and students and the support of our staff, alumni, trustees and friends. Achievements of the past decade are ones we can be proud of and benefit our region, the nation and the world, such as the development of the Alvin J. Siteman Cancer Center, the only National Cancer Institute-designated Comprehensive Cancer Center in the entire state. The physical development and quality of our campuses assist in attracting talented faculty and students, providing modern and attractive settings for education and research. Generous support from individuals, corporations and foundations made it possible for us to achieve more than could be done with tuition alone.

Financial aid endowment has been expanded dramatically, enabling us to attract and support students who would not be able to be here without financial assistance. For example, the Enterprise Rent-A-Car Scholars Program was started with the largest gift for scholarships in the University's history, provided by the Taylor family and Enterprise Rent-A-Car. The \$25 million endowment gift now supports about 100 students, including many from the St. Louis region.

Our very successful fund-raising effort that concluded in the summer of 2004 — the Campaign for Washington University: A Partnership for the 21st Century — led to the creation of more than 150 new endowed professorships, helping us to attract and retain an outstanding group of faculty members. Yes, we have much to be proud of and we have become far better known and far

higher in quality through creative and dedicated effort on the part of many.

Yet on this Martin Luther King Day in 2006, there are two areas where we must make more progress to place us as a standout among the world's leading universities — diversity and inclusiveness. Let me first address the matter of diversity. We work diligently to attract more members of minority groups to both our faculty and staff, and we continue to work to improve the gender balance. In terms of both minorities and women, our faculty today is stronger than it was a decade ago. But we are not a leader. We are, at best, in the middle of the pack among our nation's premier research universities. This is not a comfortable position, considering the educational benefits of living and working in a diverse community and considering our relative success in strengthening the University by overcoming other challenges.

In order to quicken the pace of our progress to improve diversity and gender balance of our faculty and administration, I appointed Ms. Leah Merrifield to the position of Special Assistant to the Chancellor for Diversity Initiatives. She has convened a Coordinating Council for Diversity Initiatives involving University colleagues from the administration and the faculty. The council will assist in developing new plans to build greater momentum. The Coordinating Council has been at work since early fall 2005, and the University Council of deans and vice chancellors held a daylong meeting with the Coordinating Council to consider the issues and how to address them. We were assisted in our meeting by keynote presenters from outside the University, including Dr. Walter Massey, our distinguished alumnus and president of Morehouse College. These external perspectives, while invigorating and inspiring, affirmed that we are not the leader we aspire to be.

We have resolved to dedicate the resources, creativity and hard

work needed to become a leader in strengthening diversity and improving gender balance. This is a long-term effort with no simple or easy paths to leadership. But it is my hope that a look back 10 years from now will see the 2005-06 academic year as the beginning of a new era.

Inclusiveness is the second area where more work must be done. Ours is a community with a great tradition of civility and working well together, but we have not yet fully created the "climate" that supports all members of our community. Indeed, in our early considerations of what it will take to strengthen the University's representation of minorities, I have become even more conscious of the importance of having an inclusive community. Programs led by talented undergraduates around the time of the Chinese New Year in the winter and Diwali in the fall help us understand the cultures and traditions of two of the world's most populous countries. Black Anthology and Carnaval benefit us by showcasing the cultural heritage of the African-American and Latino communities. I applaud such efforts and pledge to continue to support the recruitment of an even more diverse student body. The curriculum led by our faculty is also rich in multicultural offerings and is a key to our academic leadership. We need to become more supportive of those we seek to recruit — and not merely sign them up and then leave them to their own devices to sink or swim. As much as we cherish individual and independent achievement, it is important to appreciate all of the factors that will contribute to individual success. An inclusive environment is especially important for members of our community who are members of minority groups.

I have not personally experienced the "chilly environment" that is felt by some women, African-Americans, Latinos, gays or lesbians. I have not absorbed abuse for my religious beliefs. Even my international travels to

Asia and South Africa rarely give me a hint of what it is like to be different and to be the only white person in a group, for in those settings I am most often a person of interest and perceived importance, and I am welcomed and appreciated for my different background and perspectives. If we are to be celebrated as the premier research university we aspire to be, we must provide a community in which each individual is a person of interest and importance.

As members of an educational institution working with a diverse group of students from all parts of America and the world, we have a special responsibility to nurture the development of young women and men who are for the first time in their lives experiencing independence and the "freedom" of being away from their families. A student once told me that she valued this community for its diversity and because it allowed her for the first time to make connections with people who are Jewish and people who are black. How fortunate that our community members of different backgrounds welcomed her into their lives!

Students coming to Washington University as 17- or 18-year-olds may be exploring their sexual identities and discovering their sexual orientations. Some students may be questioning the faith traditions of their family and friends while others may be embracing them for the first time on their own. Our community must provide a supportive and accepting environment for these elements of personal maturation, and doing that in an inclusive, diverse community is best. At our Academic Convocation in August, I tell our first-year students and their parents that I have the expectation that all members of the community will show respect for each other. Of course, in a competitive academic setting like ours differences of opinion about important issues will emerge. This is a place where those differences can, and should

be, explored.

Our laws and strong traditions of academic freedom assure everyone the right to express themselves freely on matters of importance. However, our faculty and staff serve our students best — individually and in the aggregate — when we responsibly exercise the rights to freedom so that our maturing students look to us for support and guidance. It is the University's responsibility to provide an environment supportive of all, even for those questioning traditional views or ways of living. Individuals in positions of responsibility have the obligation to do what is best for those we serve, and we must avoid creating an environment that is intimidating or hostile. We should not accept actions that create an environment discriminatory toward those of a different religion, race, sexual orientation, gender, or cultural or ethnic background, nor should members of this community denigrate those with mental or physical disabilities. Indeed, ours will only be the best climate for social, emotional and intellectual growth and achievement if we are all committed to diversity and inclusiveness.

To conclude, we celebrate the life and contributions of Dr. Martin Luther King Jr. each year. Our annual holiday in his honor reminds us of his important contributions, which we should strive to emulate. Strengthening diversity, improving gender balance, and striving to be more inclusive and accepting are worthy University aspirations. So I close with this quote from Dr. King, written in 1958: "We can choose either to walk the high road of human brotherhood or to tread the low road of man's inhumanity to man." Each of us must take "the high road," and I encourage all in this community to do so.

Mark S. Wrighton

WUSTL sets 2006-07 tuition, fees, room and board

Undergraduate tuition at Washington University will total \$32,800 for the 2006-07 academic year — a \$1,700 (5.5 percent) increase over the 2005-06 current academic year tuition of \$31,100. The required student activity fee will total \$328, and the student health fee will be \$660.

The announcement was made by Barbara A. Feiner, vice chancellor for finance.

Room-and-board charges for

2006-07 will be \$11,176, an increase of \$422 (3.9 percent) over the current year's charges of \$10,754 for the full meal plan and newer student housing.

In a letter to parents and students, Edward S. Macias, Ph.D., executive vice chancellor, dean of Arts & Sciences and the Barbara and David Thomas Distinguished Professor in Arts & Sciences, said the following about the 2006-07 tuition, room, board and other fees:

"Our increases reflect the nationwide cost pressures on colleges and universities, including some costs that are rising in ways obvious to all of us — such as energy and employee health benefits. However, our costs also escalate in ways that may not be so apparent, such as electronic and printed periodicals and library books and the need to constantly attract and retain the very best faculty. How severe are these cost

pressures? Our primary energy source — natural gas — is expected to nearly double over last year's prices. Employee health benefits have increased by 16 percent annually over the past five years.

"Some have asked why we don't recover these costs through greater gift support or increasing the spending rate of endowment income. While no undergraduate pays the full cost of what Washington University spends on his or her education — including those who receive no financial aid — tuition continues to be our most important and largest source of revenue to cover operating expenses. Annual increases in gifts, endowment income and grants cannot rise rapidly enough to offset additional charges supported by tuition. We are deeply grateful for the support of alumni and friends, but their continuing support cannot fully cover necessary increases.

"We are always mindful that our core mission is success in teaching and learning. Recently, we have instituted an Office of Undergraduate Research, the Gephardt Institute for Public Service, the Center on Materials Innovation, a Center on Urban Research and Policy and a new Interdisciplinary Project in the Humanities for undergraduate students. Our International and Area Studies Program is expanding, and a new Center on Joint Projects in the Humanities and Social Sciences will organize distinctive curricular and research opportunities for students and fac-

ulty. In the coming year we will be looking to develop new programs in human justice, entrepreneurship and integrative biology, just to name a few. The new Sam Fox School of Design & Visual Arts will enhance collaboration and creative work in the visual arts.

"To address the after-college expectations of students and their families, we are making considerable investments in the creation and expansion of a University Career Center available to all students. We want undergraduates to address their future plans well ahead of their senior year and graduation, and we believe that career and academic planning are essential to the undergraduate experience.

"Perhaps the greatest challenge is to balance fiscal and academic needs with the need to constantly excel as one of the most sought-after and desirable institutions of higher education in the world. The number of freshman applications was the highest in our history last year and appears to be even stronger for next fall. These numbers also reflect extraordinary talent among our applicants with quality indicators among the highest in the nation. The ability of our students is evidenced in virtually all academic areas and can be seen in their creative efforts, their performance in classes and laboratories, and in such co-curricular activities as community service and volunteerism. Tuition income supports a critical difference in how well your children achieve these ends during their educational experiences here."

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Graduate and professional tuition

Below are the 2006-07 full-time tuition and fee schedules for WUSTL graduate and professional programs, as well as tuition for evening and summer schools.

Graduate School of Arts & Sciences, the Graduate School of Architecture, and graduate programs in the School of Engineering & Applied Science: The 2006-07 tuition charge for graduate students in these programs will be \$32,800, an increase of \$1,700 (5.5 percent) over the current charge of \$31,100.

Graduate School of Art: The 2006-07 tuition charge for the Master of Fine Arts program will be \$26,631, an increase of \$1,147 (4.5 percent) over the current charge of \$25,484.

George Warren Brown School of Social Work: The 2006-07 tuition for the Master of Social Work program will be

\$26,190, an increase of \$1,147 (4.6 percent) over the current charge of \$25,043.

School of Law: The 2006-07 tuition for the juris doctor program will be \$35,670, an increase of \$1,370 (4 percent) over the current charge of \$34,300; and the LL.M. program will be \$35,800, an increase of \$1,500 (4.4 percent) over the current charge of \$34,300.

Olin School of Business: The 2006-07 tuition for the master of business administration program will be \$35,950, an increase of \$1,450 (4.2 percent) over the current charge of \$34,500.

School of Medicine: Tuition for 2006-07 for the M.D. degree will be set in March.

Evening and Summer School tuition
Undergraduate evening stu-

dents: For undergraduate evening students enrolling in University College in Arts & Sciences or continuing education classes in the College of Architecture in 2006-07, tuition will be \$430 per credit hour, compared with the 2005-06 cost of \$390 per credit hour.

Graduate students in University College: Depending upon the graduate program in University College in Arts & Sciences, tuition ranges from \$430-\$625 per credit hour for 2006-07 compared with the current range of \$390-\$575.

Summer School in Arts & Sciences: Tuition in Summer School classes in Arts & Sciences will be \$665 per undergraduate credit hour, and \$765 per graduate credit hour for summer 2006, compared with the 2005 rates of \$615 and \$715 per credit hour, respectively.

School of Medicine Update

Variation in gene increases risk for alcoholism

By JIM DRYDEN

A team of researchers led by School of Medicine investigators has found that a gene variant for a bitter-taste receptor on the tongue is associated with an increased risk for alcohol dependence.

The research team studied DNA samples from 262 families, all of which have at least three alcoholics. The families are participating in a national study called the "Collaborative Study of the Genetics of Alcoholism" (COGA).

The study's investigators report in the January issue of the *American Journal of Human Genetics* on the variation in a taste receptor gene, called *TAS2R16*, on chromosome 7.



Goate

"In earlier work, we had identified chromosome 7 as a region where there was likely to be a gene influencing alcoholism risk," said principal investigator Alison M. Goate, D.Phil., the Samuel and Mae S. Ludwig Professor of Genetics in Psychiatry.

"There's a cluster of bitter-taste receptor genes on that chromosome, and there have been several papers suggesting drinking behaviors might be influenced by variations within taste receptors. So we decided to look closely at these taste receptor genes."

Because taste receptors tend to vary a lot in the general population, Goate and her colleagues had the opportunity to look at a large number of differences in genetic sequences and determine whether certain sequences might influence risk. In

this study, they concentrated on *TAS2R16*, which helps regulate the response to bitter tastes.

They found a single base variation in the *TAS2R16* receptor gene that seemed to put people at an increased risk for alcoholism. In cell-culture experiments, Goate found that the variant receptor produced by this gene was less responsive to bitter compounds.

"The more common variant is more sensitive to bitter tastes, and people with that variant had a lower risk of being alcohol-dependent," Goate said.

As part of this investigation, Goate's team took advantage of available genome sequence databases to speed work in identifying and studying genes on chromosome 7. She said data from the Human Genome Project allowed the investigators to more quickly recognize individual variations in genes, called polymorphisms, that can influence how a gene product or protein functions.

As part of this study, Goate's team sequenced the *TAS2R16* receptor gene in a number of individuals, but they didn't identify genetic variants they hadn't found already in the public databases.

The variant that increases risk of alcohol-dependence was common in African-Americans — where about 45 percent of those studied carried this variation in the *TAS2R16* receptor gene — but rare in Caucasians — where only 0.6 percent had this variation. Although the increased incidence of the variant means a larger percentage of African-Americans are at risk because of this genetic factor, the variant in the *TAS2R16* receptor also significantly increased risk in those Caucasians who carried the genetic variation.

The fact that this particular genetic variation is more com-

"There's a cluster of bitter-taste receptor genes on that chromosome, and there have been several papers suggesting drinking behaviors might be influenced by variations within taste receptors. So we decided to look closely at these taste receptor genes."

ALISON M. GOATE

mon in African-Americans does not necessarily mean African-Americans will have a higher inci-

dence of alcoholism.

"I don't think our result has any implications for the levels of

alcoholism within different populations," Goate said. "We know that this polymorphism is more common in African-Americans than in Caucasians, but the frequency of alcoholism still can be similar between the two groups because many genes and environmental factors influence risk."

Goate hopes to replicate these findings in human taste tests, to verify that individuals with this variant also tend to be less sensitive to bitter tastes as suggested by the cell-culture experiments.



Jobs and java Kelli Holland, employment specialist at the School of Medicine, discusses job openings with Titus Trotter at a job fair sponsored by the Touching Hearts Veterans Home. The job fair, held Jan. 10-11 at Java Joe's Coffee House, featured other local employers such as the St. Louis City Police Department and the Missouri Career Center.

Preferred treatment method for advanced ovarian cancer announced

By GWEN ERICSON

The National Cancer Institute (NCI), part of the National Institutes of Health, has issued an announcement encouraging treatment with anticancer drugs via two methods, after surgery, for women with advanced ovarian cancer.

The combined methods, which deliver drugs into a vein and directly into the abdomen, extend overall survival for women with advanced ovarian cancer by about a year.

The Siteman Cancer Center participated in the NCI-supported research leading to the announcement.

Coinciding with the NCI's announcement, the *New England Journal of Medicine* published the results of a recent clinical trial in an NCI-supported research network known as the "Gynecologic Oncology Group" (GOG), of which the University is a member. The trial was the eighth to evaluate the use of chemotherapy delivered into the abdomen for ovarian cancer.

Together, these trials show a significant improvement in survival for women with advanced ovarian cancer.

"There are pros and cons to this type of treatment," said David G. Mutch, M.D., director of the WUSTL Division of Gynecologic

Oncology. "The benefits and risks should be discussed with the treating physician, but this modality offers significant benefits in a select group of patients."

The two treatment methods are called intravenous (IV) chemotherapy — delivered into a vein — and intraperitoneal (IP) chemotherapy — delivered into the abdominal, or peritoneal, cavity.

The trial involved 429 women with stage III ovarian cancer. They were given chemotherapy following the successful surgical removal of tumors.

The trial compared two treatment regimens: IV paclitaxel followed by IV cisplatin; with IV paclitaxel followed by IP cisplatin and the subsequent administration of IP paclitaxel.

"IP therapy is not a new treatment approach, but it has not been widely accepted as the gold standard for women with ovarian cancer," said lead author Deborah Armstrong, M.D., medical oncologist and associate professor at Johns Hopkins Kimmel Cancer Center.

"There has been a prejudice against IP therapy in ovarian cancer because it's an old idea, it requires skill and experience for the surgery and for the chemotherapy, and it's more complicated than IV chemotherapy.

"There are pros and cons to this type of treatment. The benefits and risks should be discussed with the treating physician, but this modality offers significant benefits in a select group of patients."

DAVID G. MUTCH

"But," Armstrong added, "now we have firm data showing that we should use a combination of IP and IV chemotherapy in most women with advanced ovarian cancer who have had successful surgery to remove the bulk of their tumor."

According to the NCI, an estimated 22,220 women in the United States were diagnosed with ovarian cancer in 2005. It causes more deaths in the United States than any other cancer of the female reproductive system, with an estimated 16,210 women dying from the disease in 2005.

The most recent statistics show that only 45 percent of women survive five years after being diagnosed with ovarian cancer; the rate increases to 94 percent when the disease is diagnosed before it has spread. However, women with ovarian cancer frequently have no symptoms or only mild symp-

toms until the disease is advanced.

Standard treatment for women with stage III ovarian cancer has been surgical removal of the tumor (debulking), followed by 6-8 courses of IV chemotherapy given every three weeks with a platinum drug, such as cisplatin or carboplatin, and a taxane drug, such as paclitaxel. (Platinum and taxane are two classes of anticancer drugs.)

The new NCI clinical announcement recommends that women with advanced ovarian cancer who undergo effective surgical debulking receive a combination of IV and IP chemotherapy. IP chemotherapy allows higher doses and more frequent administration of drugs, and it appears to be more effective in killing cancer cells in the peritoneal cavity, where ovarian cancer is likely to spread or recur first.

"In our trial, women who

received part of their chemotherapy via an IP route had a median survival time 16 months longer than women who received only IV chemotherapy," Armstrong said.

"Randomized, multicenter clinical trials, including this most recent study, clearly show the value of IP chemotherapy — an extended life for women with advanced ovarian cancer," said Philip DiSaia, M.D., chairman of the GOG.

The 205 women treated via the IP route fared better, even though most of them received fewer than the six planned treatments. Complications associated with the abdominal catheter used to deliver the IP chemotherapy were the main reason only 86 of the women completed all six IP treatments.

Women who received IP chemotherapy had more side effects than those treated with IV chemotherapy alone, but most side effects were temporary and easily managed. One year after treatment, women in both study groups had the same reported quality of life.

More studies are needed to determine the best IP drug regimen and the optimal number of IP treatments. Future trials also will address how to reduce toxicity associated with IP administration.

University Events

Grammy-nominated quartets in Edison concert today

By LIAM OTTEN

Two of the most adventurous ensembles in contemporary American music, The Turtle Island String Quartet and the all-sibling Ying Quartet, will perform selections from their genre-defying collaboration *4 + Four* (Telarc Classics) at Edison Theatre.

The one-night-only concert will begin at 8 p.m. today as part of the Edison Theatre OVATIONS! Series.

In addition, Turtle Island will present an all-ages matinee performance of *The Art of the Groove*, a cross-cultural musical journey ranging from Vivaldi to Jimi Hendrix, as part of the ovations! for young people series at 11 a.m. Jan. 21.

4 + Four was recently nominated for a Grammy Award in the Best Crossover Classical Album category. The Grammy Awards ceremony will be broadcast Feb. 8 on CBS.

The piece explores the intersection of jazz improvisation and string quartet traditions through a variety of classic and original works.

The program will open with the Ying Quartet performing Felix Mendelssohn's *Quartet in E Flat Major, Op. 44, No. 3*, a bravura composition whose quick, spontaneous-seeming themes and motifs — particularly the lighthearted scherzo movement — demand an exceptional level of craft.

Following individual selections from Turtle Island (to be



4 + Four, by The Turtle Island String Quartet and the all-sibling Ying Quartet, was recently nominated for a Grammy Award in the Best Crossover Classical Album category. The quartets will perform selections from the genre-defying collaboration during a concert today as part of the Edison Theatre OVATIONS! Series.

announced from the stage), the two quartets will join forces for Darius Milhaud's 1923 ballet *The Creation of the World*, one of the first concert pieces to combine jazz and classical music, followed by *Julie-O*, an original work for two cellos by Turtle Island cellist Mark Summer.

The program will continue with *Mara's Garden of False Delights*, an original three-part suite by David Balakrishnan, Turtle Island's violinist and principal composer.

Based on an episode from the life of the Buddha — in which

Mara, the king of demons, seeks to deflect enlightenment with a parade of pleasures — the piece highlights the diverse strengths of each player through a complex interweaving of jazz, classical and Indian elements.

The program will conclude with *Variations on an Unoriginal Theme*, an original work (despite its title) by Turtle Island violinist Evan Price. The piece functions as both a brief history of the string quartet and as a good-natured "battle of the bands."

Listeners are invited to cheer their favorite group as the open-

ing, Haydn-esque theme morphs into an Irish jig, a Mendelssohn scherzo, a gospel shout, a delicate Ravelian tableau, a Cuban mambo and even a bit of James Brown funk.

Founded in 1985, Turtle Island helped pioneer "alternative" chamber music and was the first classically trained string ensemble to make extensive use of jazz improvisation in its recordings and live concerts. The group takes its name from Native American folklore — "Turtle Island" refers to the North American continent — and consists of Balakrishnan, Price and Summer (cello) as well as violinist Mads Tolling.

Over the years, Turtle Island has pioneered a unique repertoire that ranges from bebop standards to jazz-inspired "re-compositions" of classical works to American "vernacular" styles such as folk, bluegrass, hip-hop and rock.

In addition, the group has developed a large catalog of original compositions and recorded more than a dozen CDs, including *Art of the Groove* (2000) and *Danzon* (2002).

No less a contemporary than Yo Yo Ma praises Turtle Island as "a unified voice that truly breaks new ground — authentic and passionate — a reflection of some of the most creative music-making today."

Natives of Chicago, the Ying siblings — cellist David, violinist Phillip and violinists Janet and Timothy — began their musical career in 1992 in the farm town

of Jesup, Iowa (population 2,000), as the first artists to participate in the National Endowment for the Arts Chamber Music Rural Residencies Program.

Now Quartet in Residence at the Eastman School of Music at the University of Rochester, the Yings have performed at major festivals and venues around the world and established themselves as one of America's premier young ensembles.

In 1999, they launched LifeMusic, a commissioning project designed to produce a distinctively American string quartet repertoire, which to date has produced almost a dozen works by contemporary American composers.

At the same time, the Yings honor their own heritage through *Musical Dim Sum*, a series of programs featuring short works by Chinese-American composers and commissioned works by composers of Chinese background.

Edison Theatre programs are made possible with support from the Missouri Arts Council, a state agency; the Regional Arts Commission, St. Louis; and the Arts & Education Council of Greater St. Louis.

Tickets for today's OVATIONS! Series performance are \$28; \$24 for seniors and WUSTL faculty and staff; and \$18 for students and children. Tickets for the Jan. 21 matinee are \$7.

Tickets are available at the Edison Theatre Box Office and through all MetroTix outlets.

For more information, call 935-6543.

Civil Liberties in Wartime • Benefit Concert • Blood Drive

"University Events" lists a portion of the activities taking place Jan. 20-Feb. 1 at Washington University. Visit the Web for expanded calendars for the Hilltop Campus (calendar.wustl.edu) and the School of Medicine (medschool.wustl.edu/calendars.html).

Exhibits

Celebrating 100 Years of Federal Information. Olin Library, Grand Staircase Lobby and Ginkgo Reading Room. 935-6569.

Celebrating Mozart's 250th Birthday. Through January 30. Olin Library Lobby. 935-6626.

Lectures

Friday, Jan. 20

9:15 a.m. Pediatric Grand Rounds. "End of Life Care in the PICU." Jose Pineda Soto, asst. prof. of pediatrics. Clopton Aud., 4950 Children's Place. 454-6006.

Noon. Cell Biology & Physiology Seminar. "The Effects of Sleep Deficits on Learning in *Drosophila*." Paul Shaw, asst. prof. of anatomy & neurobiology. Co-sponsored by the Dept. of Molecular Biology & Pharmacology. McDonnell Medical Sciences Bldg., Rm. 426. 362-7437.

12:30-4:30 p.m. St. Louis STD/HIV Prevention Training Center CME Course. "Prevention for Positives." Cost: \$40. For location and to register: 747-1522.

2 p.m. Center for Materials Innovation Lecture. "Applications and Implications of Nanomaterials: Challenges for Environmental Engineers." Mark Wiesner, prof. of civil & environmental engineering and of chemical engineering, Rice U. (3 p.m. refreshments, Lopata Hall Gallery.) Lopata Hall, Rm. 101. 935-9305.

7:30 p.m. Saint Louis Astronomical Society Meeting. "Now That I Have a Telescope — What Next?" McDonnell Hall, Rm. 162. 935-4614.

Saturday, Jan. 21

8:30 a.m.-2:30 p.m. St. Louis STD/HIV Prevention Training Center CME Course. "Advancing HIV Prevention." Eric P. Newman Education Center. To register: 747-1522.

Monday, Jan. 23

11 a.m. Midwest Regional Center of Excellence for Biodefense and Emerging Infec-

tious Diseases Research Guest Lecture. "NIAID BioDefense Research: Challenges, Opportunities and Sustainability." Michael G. Kurilla, dir. of biodefense research affairs, NIAID, Bethesda, Md. Eric P. Newman Education Center. 286-0432.

Noon. Molecular Biology & Pharmacology Seminar. "Hepatic Redivivus: Reexamining Prometheus' Liver." David Rudnick, asst. prof. of pediatrics. South Bldg., Rm. 3907, Philip Needleman Library. 747-3339.

Noon. Work, Families, and Public Policy Brown Bag Seminar Series. "Fast-food Restaurant Advertising on Television and Its Influence on Childhood Obesity." Michael Grossman, distinguished professor, research associate, and program director of health economics, City U. of N.Y. Eliot Hall, Rm. 300. 935-4918.

4 p.m. Immunology Research Seminar Series. "Transmembrane Ubiquitin Ligases Contribute to Viral Immune Modulation and Tumorigenesis." Klaus Frueh, Vaccine & Gene Therapy Inst., Ore. Health & Science U. Moore Aud., 660 S. Euclid Ave. 362-2763.

4 p.m. Physics Colloquium. "What Neurons in the Bird's Brain Do During Singing: Brain Clockwork and Its Implications for Song Generation and Learning Mechanisms." Alexey Kozhevnikov, postdoctoral fellow in brain & cognitive sciences, Mass. Inst. of Technology. (3:30 p.m. coffee, Compton Hall, Rm. 245.) Crow Hall, Rm. 204. 935-6276.

5:30 p.m. Cardiac Bioelectricity & Arrhythmia Center Seminar. "Risk Stratification for Sudden Arrhythmic Death: Is Ejection Fraction Alone Sufficient?" Michael Cain, Tobias & Hortense Lewin Professor of Medicine. Whitaker Hall, Rm. 218. 935-7887.

Tuesday, Jan. 24

Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series. "Structure, Assembly and Function of the Type III Secretion Injectisome." Jorge E. Galan, prof. and chair of microbial pathogenesis, Yale U. Cori Aud., 4565 McKinley Ave. 362-3692.

Noon. Program in Physical Therapy Research Seminar. Shrawan Kumar, prof. of physical therapy and neuroscience, U. of Alberta, Canada. 4444 Forest Park Blvd., Lower Lvl., Rm. B112. 286-1404.

Wednesday, Jan. 25

11 a.m. School of Law "Access to Justice" Public Interest Law Speakers Series. "Civil Liberties in Wartime." Geoffrey Stone, Harry Kalven Jr. Distinguished Science Professor of Law, U. of Chicago. Anheuser-Busch Hall, Bryan Cave Moot Courtroom. 935-6419.

4 p.m. Physics Colloquium. "Single Molecule Imaging of Protein-DNA Interactions: 1-D Diffusion of Lac Repressor Proteins Along DNA." Yan Mei Wang, dept. of physics, Princeton U. (3:30 p.m. coffee, Compton Hall, Rm. 245.) Crow Hall, Rm. 204. 935-6276.

7 p.m. Science on Tap Lecture. "Minerals That Harm, Minerals That Help." Jill Pasteris, prof. of earth & planetary sciences. Schlafly Bottleworks, 7260 Southwest Ave. 935-5285.

Thursday, Jan. 26

4 p.m. Ophthalmology & Visual Sciences Seminar. "Astrocytes in Glaucomatous Optic Neuropathy, 10 Years Later." Rosario Hernandez, prof. of ophthalmology & visual sciences. Maternity Bldg., Rm. 725. 362-1006.

4:15 p.m. Earth & Planetary Sciences Colloquium. "Bioplatte: Tiny Mineral With a Huge Appetite." Jill Pasteris, prof. of earth & planetary sciences. Earth & Planetary Sciences Bldg., Rm. 203. 935-5610.

Friday, Jan. 27

9:15 a.m. Pediatric Grand Rounds. "Sixty-five Roses and Lung Transplantation." Albert Faro, asst. prof. of pediatrics. Clopton Aud., 4950 Children's Place. 454-6006.

Noon. Cell Biology & Physiology Seminar. "Protein Complexes That Control Cell Polarity." Benjamin Margolis, prof. of biological chemistry, U. of Mich. Co-sponsored by the Dept. of Molecular Biology & Pharmacology. McDonnell Medical Sciences Bldg., Rm. 426. 362-7437.

Monday, Jan. 30

4 p.m. Immunology Research Seminar Series. "Regulation of Neuroinflammation: The Chemokine Connection." Robyn Klein, asst. prof. of medicine. Moore Aud., 660 S. Euclid Ave. 362-2763.

Tuesday, Jan. 31

8:15-10:30 a.m. Center for the Application of Information Technology Seminar. "Service-oriented Architecture (SOA): Insights From Early Practitioners." Brenda Michelson, senior VP and senior consultant, Patricia Seybold Group. Saint Louis Art Museum Aud., 1 Fine Arts Drive. To register: 935-4444.

4 p.m. University Libraries Lecture. "Analyzing the Blur: Don DeLillo's 'Definitive Meditation' on the JFK Assassination." Crystal Alberts, dept. of English. Olin Library, Lvl. 1, Ginkgo Reading Rm. 935-6569.

Wednesday, Feb. 1

8:30 a.m.-4 p.m. Center for the Application of Information Technology Two-day Workshop. "Leading Change Across IT and the Enterprise." (Continues 8:30 a.m.-4 p.m. Feb. 2.) Cost: \$1,195, reduced fees available for CAIT member organizations. CAIT, 5 N. Jackson Ave. To register: 935-4444.

11 a.m. School of Law "Access to Justice" Public Interest Law Speakers Series. "Courting Disaster? The World Historical Transformation of Marriage." Stephanie Coontz, prof. of history and family studies, The Evergreen State College. Graham Chapel. 935-6419.

Music

Monday, Jan. 23

8 p.m. Concert. Washington University Chamber Orchestra. Music of Wolfgang Amadeus Mozart. Ridgely Hall, Holmes Lounge. 935-4841.

Friday, Jan. 27

8 p.m. Benefit Concert. Nerissa and Katryna Nields. To benefit Lydia's House and Peter and Paul Community Services. Cost: \$15, free for WUSTL students. Gregg House, Urso's Lounge. 935-7576.

On stage

Friday, Jan. 20

8 p.m. OVATIONS! Series. Turtle Island String Quartet & Ying Quartet. Cost: \$28, \$24 for seniors, WUSTL faculty & staff, \$18 for students and children. Edison Theatre. 935-6543.

Friday, Jan. 27

8 p.m. Performing Arts Dept. Presentation. *IPI Zombie?* Written by Brett Bailey. Pushkar Sharma, dir. (Also 8 p.m. Jan. 28, Feb. 3 & 4; 2 p.m. Jan. 29 & Feb. 5.) Cost: \$15, \$9 for students, children, seniors, WUSTL faculty & staff. Mallinckrodt Student Center, A.E. Hotchner Studio Theatre. 935-6543.

Sports

Friday, Jan. 20

All day. Swimming & Diving. Washington University Invitational. (Continues all day

Jan. 21.) Athletic Complex. 935-4705.

6 p.m. Women's Basketball vs. New York U. Athletic Complex. 935-4705.

8 p.m. Men's Basketball vs. New York U. Athletic Complex. 935-4705.

Sunday, Jan. 22

11 a.m. Men's Basketball vs. Brandeis U. Athletic Complex. 935-4705.

1 p.m. Women's Basketball vs. Brandeis U. Athletic Complex. 935-4705.

Friday, Jan. 27

6 p.m. Women's Basketball vs. U. of Rochester. Athletic Complex. 935-4705.

8 p.m. Men's Basketball vs. U. of Rochester. Athletic Complex. 935-4705.

Sunday, Jan. 29

1 p.m. Men's Basketball vs. Carnegie Mellon U. Athletic Complex. 935-4705.

3 p.m. Women's Basketball vs. Carnegie Mellon U. Athletic Complex. 935-4705.

And more...

Monday, Jan. 23

11:30 a.m.-4:30 p.m. Blood Drive. Co-sponsored by Phi Delta Theta fraternity. (Also 11:30 a.m.-4:30 p.m. Jan. 24, Mallinckrodt Student Center, Lower Lvl., The Gargoyle; 5-10 p.m. Jan. 25 & 26, Wohl Student Center, Friedman Lounge.) Mallinckrodt Student Center, Lower Lvl., The Gargoyle. 935-5066.

Thursday, Jan. 26

8 p.m. Writing Program Reading Series. Kathryn Davis, sr. fiction writer in the writing program. Duncker Hall, Rm. 201, Hurst Lounge. 935-7130.

Friday, Jan. 27

8 a.m.-5 p.m. Hearing Screening for Nurses. Offered by the adult audiology dept. (Also 8 a.m.-5 p.m. Feb. 3.) Continuing Medical Education Bldg., Walk Through Rm. 2212. 609-2339.

4 p.m. Art & Activism Panel Discussion. Featuring Nerissa Nields, Katryna Nields, Con Christeson and Jacqui Barnett. Gregg House, Urso's Lounge. 935-7576.

Saturday, Jan. 28

10 a.m. Memorial for Sona Haydon. Presented by the Dept. of Music. Graham Chapel. 935-4841.

Access to justice speaker series continues Jan. 25

By JESSICA MARTIN

One of the nation's top experts on the First Amendment and free speech in wartime; the author of the popular new book *Marriage, a History: From Obedience to Intimacy or How Love Conquered Marriage*; and an associate justice for the Yavapai-Prescott Indian Tribe Court of Appeals are part of the spring lineup for the School of Law's eighth annual Public Interest Law Speakers Series.

Titled "Access to Justice: The Social Responsibility of Lawyers," the series brings to the University outstanding academics and practitioners in areas such as international human rights, the economics of poverty, civil liberties, racial justice, capital punishment, clinical legal education, and government and private public service.

The goals of the series are to highlight the professional responsibilities of law students and lawyers to provide access to justice; to provide a forum for the law school and the wider University community to engage in a discussion of the legal, social and ethical issues that bear upon access to justice; and to promote scholarship in this area.

The series kicked off Jan. 18 with a lecture by **Sheryll Cashin** titled "Shall We Overcome? Democracy, Race & Multiculturalism in the 21st Century." Cashin, professor of law at Georgetown University and Washington University Distinguished University Scholar, was the Black Law Students Association Martin Luther King Jr. Commemorative Speaker.

The remaining presentations, listed below, will be held in the Bryan Cave Moot Courtroom of Anheuser-Busch Hall (unless otherwise indicated) and are free and open to the public.

• **11 a.m. Jan. 25 — Geoffrey Stone**, the Harry Kalven Jr. Distinguished Service Professor of Law at the University of Chicago, will discuss "Civil Liberties in Wartime." A former law clerk for Justice William J. Brennan Jr., Stone is the author of the recent book *Perilous Times: Free Speech in Wartime From the Sedition Act of 1798 to the War on Terrorism*. This lecture is co-sponsored by the George Warren Brown School of Social Work.

• **11 a.m. Feb. 1 in Graham Chapel — Stephanie Coontz**, professor of history and family studies at The Evergreen State College, will present "Courting Disaster? The World Historical Transformation of Marriage." Coontz, the director of research and public education for the Council on Contemporary Families, is the author of several books, including *Marriage, a History*.

Her lecture is co-sponsored by the Assembly Series, The Woman's Club of Washington University, the American Civil Liberties Union Student Chapter and the Women's Law Caucus.

• **11 a.m. Feb. 8 — Sarah Buel**, clinical professor of law at the University of Texas and the founder and co-director of its Domestic Violence Clinic, will discuss "Accountability, Power and Politics: Navigating the Troubled Waters of Domestic Violence Legal Advocacy."

Buel is the co-founder of the University of Texas Voices Against Violence program and the university's Institute on Domestic Violence and Sexual Assault. Her lecture is co-sponsored by Equal Justice Works and the National Lawyers Guild.

• **12 p.m. Feb. 16 — Randy Barnett**, the Austin B. Fletcher Professor of Law at Boston University, will speak about "The Presumption of Liberty and the Public Interest: Medical Marijuana and Fundamental Rights."

Barnett is the author of *Restoring the Lost Consti-*

tution: The Presumption of Liberty. He represented the Oakland Cannabis Cooperative pro bono in the U.S. Supreme Court case *Raich v. Gonzalez*, which involved the right to use marijuana for medical purposes. His lecture is co-sponsored by the Federalist Society.

• **11 a.m. Feb. 22 — Jennifer Gordon**, associate professor of law at Fordham University, will discuss "Lawyers and Labor: The Role of Law in Organizing Low-Wage Workers."

Gordon, the School of Law's Webster Society Annual Speaker, is a MacArthur Fellow and author of the book *Suburban Sweatshops: The Fight for Immigrant Rights*. Gordon founded the Workplace Project in New York, a nationally recognized grass-roots workers' center that organized low-wage Latino immigrants.

• **11 a.m. March 1 — Pamela Karlan**, the Kenneth and Harle Montgomery Professor of Public Interest Law at Stanford University, will focus on "The Paradoxical Structure of Constitutional Litigation."

A former law clerk for Justice Harry A. Blackmun, Karlan is a constitutional law scholar and author of numerous books and articles. One of the nation's most respected U.S. Supreme Court advocates, she teaches the U.S. Supreme Court Clinic at Stanford Law School. Her lecture is co-sponsored by the America Constitution Society.

• **11 a.m. March 8 — Tom Beauchamp**, professor of philosophy and a senior research scholar at the Georgetown University Kennedy Institute of Ethics, will present "Physician-Assisted Hastening of Death: Who Ought to Decide?"

Beauchamp is a prolific writer and one of the country's leading experts on bioethics and issues relating to assisted suicide. He is author of several books, including *The Ethics of Assisted Suicide and Euthanasia* and *Human Use of Animals: Case Studies in Ethical Choice*.

His lecture is co-sponsored by the Department of Philosophy in Arts & Sciences and the Center for the Study of Ethics and Human Values.

• **11 a.m. March 8 — S. James Anaya**, the James J. Lenoir Professor of Human Rights Law and Policy at the University of Arizona and a Washington University Distinguished Visiting Scholar, will discuss "Indigenous Givers: What Indigenous Peoples Have Contributed to International Human Rights Law."

Anaya is an associate justice for the Court of Appeals for the Yavapai-Prescott Indian Tribe, former staff attorney for the Indian Law Resource Council and the National Indian Youth Council and author of *Indigenous Peoples in International Law*. His lecture is co-sponsored by the Native American Law Students Association.

• **9 a.m. March 31 — Gerald López**, professor of clinical law and director of the Center for Community Problem Solving at New York University, will speak about "A Rebellious Vision of Community Problem Solving." López, the annual Access to Equal Justice Conference keynote speaker, is the author of *Rebellious Lawyering*, one of the most influential books about progressive law practice and community problem-solving.

His lecture is co-sponsored by the School of Law's Clinical Education Program, Center for Interdisciplinary Studies and Journal of Law & Policy, and by the School of Social Work.

Coordinating the series are Karen L. Tokarz, J.D., professor of law and director of clinical education and alternative dispute resolution programs, and Peter J. Wiedenbeck, J.D., associate dean of faculty and the Joseph H. Zumbalen Professor of the Law of Property. For more information, call 935-6419.

Sports

Women's hoops stays unbeaten in UAA play

The No. 3 women's basketball team (13-1, 3-0 UAA) won a pair of league road games to keep its league record unblemished.

WUSTL defeated Emory University, 71-55, on Jan. 13. Senior Kelly Manning led the Bears with a game-high 21 points.

On Jan. 15, the Bears upended Case Western Reserve University, 77-47. Manning had 16 points in the victory, as she became the Bears' all-time leader in the 3-pointers made with 160.

Men's hoops splits league road games

The men's basketball team (10-4, 2-1 UAA) posted a 1-1 record in a pair of UAA road games. The Bears trimmed a 22-point first half deficit to one, but their rally came up short in a 74-71 loss at Emory University on Jan. 13. Sophomore Troy Ruths led the Bears with a game-high 23 points and pulled down a career-high 12 rebounds.

The Bears rebounded with an

On the Web

For complete sports schedules and results, go to bearsports.wustl.edu.

86-69 win at Case Western Reserve University on Jan. 15. Senior Scott Stone scored 12 of his team-high 17 points in the second half.

Beattie leads swimmers, divers to dual meet wins

The men's and women's swimming and diving teams defeated Lindenwood University on Jan. 13 in a dual at Millstone Pool.

Freshman Julian Beattie led the men to a 134-97 win, clocking a time of 9:43.62 in the 1,000-yard freestyle. Beattie missed the school record by just one second in the event. Sophomore Meredith Nordbrock posted a WUSTL season-best time of 25.06 in the 50-free.

Beattie also led the men to a 151-84 win against Wabash College on Jan. 14, provisionally qualifying for the NCAA Championships in the 1,650 freestyle.

'Work, Families and Public Policy' to begin Jan. 23

By JESSICA MARTIN

Faculty and graduate students from St. Louis-area universities with an interest in topics relating to labor, households, health care, law and social welfare are being invited to take part in a series of Monday brown-bag luncheon seminars to be held biweekly through May 1 at WUSTL.

Now in its 10th year, the "Work, Families and Public Policy" series features one-hour presentations on research interests of faculty from local and national universities.

Presentations will be from noon-1 p.m. in Eliot Hall, Room 300, and will be followed by a half-hour discussion period.

The series' presentations, listed below, are designed to promote interdisciplinary research.

• **Jan. 23: Michael Grossman**, Ph.D., Distinguished Professor of Economics at the City University of New York and research associate and program director of health economics research at the National Bureau of Economic Research, will examine "Fast-food Restaurant Advertising on Television and Its Influence on Childhood Obesity."

• **Feb. 6: Kevin Lang**, Ph.D., professor of economics at Boston University, will speak about "The Consequences of Teenage Childbearing."

• **Feb. 20: Ping Wang**, Ph.D., the Seigle Family Professor in

Arts & Sciences and chair of the Department of Economics in Arts & Sciences, will discuss "The Timing of Childbearing Among Heterogeneous Women in Dynamic General Equilibrium."

• **March 6: Esther Duflo**, Ph.D., professor of economics at Massachusetts Institute of Technology, will present "Saving Incentives for Low- and Middle-Income Families: Evidence From a Field Experiment With H&R Block."

• **March 20: Kathleen McGarry**, Ph.D., professor of economics at the University of California, Los Angeles, will examine "Multiple Dimensions of Private Information: Evidence From the Long-Term Care Insurance Market."

• **April 3: Robert A. Pollak**, Ph.D., the Herrnreich Distinguished Professor of Economics in Arts & Sciences and in the Olin School of Business, will present "Are Families Efficient?"

• **April 17: Robert Sitkoff**, J.D., associate professor of law at Northwestern University, will focus on the question "Did Reform of Prudent Trust Investment Laws Change Trust Portfolio Allocation?"

• **May 1: Gautam Gowrisankaran**, Ph.D., assistant professor of economics in the Olin School, will speak about "The Market for Executive Education."

Pollak has been the lead organizer of the series for the past nine years.

The co-organizer is Michael W. Sherraden, Ph.D., the Benjamin E. Youngdahl Professor of Social Development and director of the Center for Social Development in the George Warren Brown School of Social Work.

The series is sponsored by the Olin School; the School of Social Work and the Center for Social Development; the Center for Interdisciplinary Studies in the School of Law; the Department of Economics; the Center for Health Policy; and the College of Arts & Sciences.

The classroom is courtesy of the Weidenbaum Center on the Economy, Government, and Public Policy in Arts & Sciences.

For more information, go online to www.olin.wustl.edu/links and click on the "Academic Seminars" drop-down menu on the right-hand side.

For more information, contact Pollak (935-4918; pollak@wustl.edu) or Sherraden (935-6691; sherrad@wustl.edu).

Chamber orchestra to celebrate Mozart

The Washington University Chamber Orchestra will launch a yearlong celebration of the 250th anniversary of the birth of Wolfgang Amadeus Mozart with a concert of his music at 8 p.m. Jan. 23 in Holmes Lounge.

The orchestra is directed by Elizabeth Macdonald, director of strings in the Department of Music in Arts & Sciences. The program will range from *Eine Kleine Nachtmusik*, probably Mozart's most popular and best-known work, to the less-familiar *Adagio and Fugue in C Minor, K. 546*, written in the last three years of his life.

Also on the program are arias from several of Mozart's operas, including *La Finta Giardiniera* (*The Pretend Gardener*), a light-hearted work written when the composer was 18; *Il ré Pastore* (*The Shepherd King*), written the following year; and his witty, mature *Abduction From the Seraglio*.

Performers include soprano Megan Higgins, tenor Joseph Michels and baritone Nathan Ruggles, all graduates of the Department of Music's master's program in vocal performance. Interspersed throughout the

event will be biographical readings about Mozart by members of the orchestra.

Mozart was born Jan. 27, 1756, in Salzburg, Austria. His father — the composer, violinist and theorist Leopold Mozart — was dedicated to his son's musical education, displaying Wolfgang's keyboard and compositional skills at major courts across Europe. For Wolfgang, such travel resulted in a broad knowledge of the symphony and Italianate opera, genres in which he would excel as a composer.

His early career was spent unhappily as a violinist in the service of the powerful archbishop of Salzburg and under the watchful eye of his father.

In 1781, he moved to Vienna, earning a living through teaching and the commission and publication of his works. Though he never received a hoped-for position at the Habsburg court, whose music was under the dominance of Antonio Salieri, he did receive a lesser appointment to compose music for dancing.

Mozart died in 1791 at age 35. His compositional output of over 600 works includes 41 symphonies; 27 renowned piano con-

certos; chamber and keyboard music of all varieties; and operas unparalleled in their musical treatment of complex character delineations.

The performance is free and open to the public. For more information, call 935-4841 or e-mail staylor@artsci.wustl.edu.

Davis to read for Writing Program

Kathryn Davis, recently appointed senior fiction writer in the Writing Program in Arts & Sciences, will open the program's spring reading series at 8 p.m. Jan. 26 in Hurst Lounge, Duncker Hall, Room 201.

Davis is the author of five novels: *Labrador* (1988), *The Girl Who Trod on a Loaf* (1993), *Hell: A Novel* (1998), *The Walking Tour* (1999) and *Versailles* (2002).

Her sixth novel, *The Thin Place*, is forthcoming this month.

"Kathryn Davis's fiction

defies our attempts to summarize, for it is at once frightening and funny, romantic and gimlet-eyed, heartbroken and philosophical," said Melanie Fallon,

the Writing Program's third-year fiction fellow.

"In a field where beautiful prose and powerful narrative are often and oddly discussed as though they were competitors, Kathryn Davis proves that it is possible to have both: a story that seizes you and won't let go, and the kind of sentence that invites you to sit for a while and bask in its strength and grace and wisdom."

Davis' numerous awards include a Kafka Prize for fiction by an American woman, the Morton Dauwen Zabel Award from the American Academy of Arts and Letters and a Guggenheim Fellowship. She previously taught creative writing and literature at Skidmore College.

The event is free and open to the public. For more information, call 935-7130.

Series

— from Page 1

Widely recognized as a leading intellectual figure, Guinier has received many accolades, including the 1995 Margaret Brent Women Lawyers of Achievement Award from the American Bar Association, the National Women's Political Caucus Champion of Democracy Award and the Rosa Parks Award from the American Association for Affirmative Action. She also has received teaching awards from Penn and Harvard.

The subsequent panel discussion, also free and open to the public, will continue the discussion of issues covered in her address. Panelists will include the School of Law's Jane Aiken, J.D., the William M. Van Cleve Professor of Law, and Christopher Bracey, J.D., associate professor; Joel Goldstein, D.Phil., J.D., professor of law, and Camille Nelson, associate professor of law, both from Saint Louis University; and Frankie Freeman, a local civil rights attorney.

Other spring Assembly Series speakers are listed below. The talks will begin at 11 a.m. in Graham Chapel, unless otherwise noted.

Stephanie Coontz's research debunks the myths surrounding our society's contemporary, idyllic view of marriage. The professor of history and of family studies at The Evergreen State College is the author of several books on the history of marriage, including *The Way We Never Were: American Families and the Nostalgia Trap*. Her talk will be Feb. 1.

At 4 p.m. Feb. 2, **West** will give a talk based on his most recent book, *Democracy Matters: Winning the Fight Against Imperialism*. The author of 16 books, West has also produced a rap CD and has been featured in *The Matrix* films.

If you can't take a trip to Mars,

the next-best thing is hearing **Squires** speak Feb. 8. Squires, professor of astronomy at Cornell University, will give his firsthand account of the inner workings of the Mars adventure.

Environmental historian **William Cronon** studies the ways human communities interact with nature and how they impact their environments. His talk, at 7 p.m. Feb. 13 in Steinberg Hall Auditorium, will examine how artists have documented changing landscapes. The lecture is sponsored by the Sam Fox School of Design & Visual Arts.

On Feb. 15, **damali ayo** will give a presentation that is designed to provoke the audience into joining her in an examination of socio-political issues. A conceptual/performance artist, she uses visual, verbal, performance and audio art to make people experience a wide range of emotions, both good and bad.

She has also written *How to Rent a Negro*, a satirical take on the commodification of African-Americans in our society.

Educator and best-selling writer **Jonathan Kozol** has devoted his career to promoting educational reform and social justice. His first book, *Death at an Early Age*, sold 2 million copies and won the 1968 National Book Award. Many other books have followed, including his most recent, *Shame of the Nation: The Restoration of Apartheid Schooling in America*. He will give a talk Feb. 22.

Shakespearean critic **Marjorie Garber** will bring fresh views and scholarly insight into the Bard's plays at 4 p.m. Feb. 23 with a lecture on "Bartlett's Familiar Shakespeare: The Pleasures and Pitfalls of Quotations." Her talk will be presented in tandem with Arts & Sciences' Performing Arts Department's production *Much Ado About Nothing*.

For more information on the play, call 935-5858.

The March 1 Assembly Series lecture will be announced at a

later date. There are no Assembly Series lectures scheduled for March 8 and 15.

Since 1987, **Eugenie Scott** has headed the National Center for Science Education, a nonprofit, national organization dedicated to defending the teaching of evolution in public schools. She will present her arguments for the teaching of evolution on March 22.

Independent filmmaker **Spurlock** turned American fast food on its head with the release of the Oscar-nominated documentary *Super Size Me*, his personal account of what eating McDonald's three times a day for a month does to a human body. He will give a presentation March 29.

Gass, Ph.D., a distinguished novelist, essayist and critic, will deliver a talk on "Metaphor" at 4 p.m. March 30. He is the David May Distinguished University Professor Emeritus in the Humanities and founder of the International Writers Center (now The Center for the Humanities), both in Arts & Sciences.

A much-honored writer, Gass has received an unprecedented three National Critics Circle Awards for his collections of essays, as well as the prestigious PEN/Nabokov Award for writing of the highest quality.

It takes a successful businessperson to run a successful business magazine, and **Earl Graves Jr.** fits the bill perfectly. The president and chief operating officer of the monthly *Black Enterprise* magazine, with a circulation of 4 million and growing, Graves will give the Martin Luther King Jr. memorial address April 5.

Fields, Ph.D., another much-admired WUSTL Arts & Sciences writer, will present a lecture April 12. The Lynne Cooper Harvey Distinguished Professor in English and director of the American Culture Studies Program, Fields is the author of the memoir *What the River Knows: An Angler in Midstream* and an examination of political rhetoric, *Union of Words: A History of Presidential Eloquence*.

Marian Wright Edelman, founder and president of the Children's Defense Fund, will give the final spring Assembly Series lecture April 19. For many years, the esteemed civil rights lawyer and renowned children's advocate has given a voice to the poor, minority and neglected children in America.

For a complete schedule and up-to-date information, go online to assemblyseries.wustl.edu or call 935-5285.

Architecture

— from Page 1

Voyles Professor of Architecture and co-director of the Architecture graduate program;

Crystal R. Ellis, a senior in Architecture; **Iain A. Fraser**, co-director of the Architecture undergraduate program; **John Hoal**, Ph.D., co-director of the Architecture undergraduate program;

Adrian Luchini, the Raymond E. Maritz Professor of Architecture and co-director of the Architecture graduate program; **Peter MacKeith**, associate director of the Sam Fox School and associate dean of Architecture;

Eric P. Mumford, Ph.D., associate professor and director of the Master of Urban Design Program; **Jeff Pike**, dean of the College of Art and the Graduate School of Art;

Alumna **Susan Pruchnicki**, principal of Bond & Wolfe Architects in St. Louis; **William E. Wallace**, Ph.D., the Barbara Murphy Bryant Distinguished Professor and chair of the Department of Art History & Archaeology in Arts & Sciences; and **Heather R. Woofert**, assistant professor of Architecture.

TIAA-CREF, Vanguard consultants available to discuss retirement options

TIAA-CREF and Vanguard consultants are available for a total of seven or more days every month from January-November to meet with University employees one-on-one for a 30-minute session free of charge.

At the appointment, employees may review and discuss their individual investment allocation and balance in the retirement savings plan accounts; how to maximize their accumulated savings; how to choose the right investment funds; how to invest during any market; whether they have saved enough for retiree health insurance; how to prepare for retirement; and more.

"Retirement and investment planning are very personal topics, and that's why we're providing this valuable individual service," said Thomas W. Lauman, director of benefits in the Office of Human Resources.

One-on-one sessions are held between 8 a.m.-5 p.m. and room numbers are confirmed upon registration.

The schedule for the first four

months of 2006 is as follows:

TIAA-CREF

Hilltop Campus: Jan. 24, April 25; North Brookings Hall, lower level conference room.

Medical Campus: Jan. 25-26, March 1-2, March 29-30 and April 26-27; Benefits Office, 4480 Clayton Ave., Room 1146.

West Campus: Jan. 27, Feb. 28, March 3, March 28, March 31 and April 28; 7425 Forsyth Blvd., Meeting Room 287.

Vanguard

West Campus: Feb. 6-7, March 6-7 and April 4; 7425 Forsyth Blvd., Meeting Room 287.

Medical Campus: Feb. 8-9, March 8-10 and April 5-6; Benefits Office, 4480 Clayton Ave., Room 1146.

To schedule an appointment with TIAA-CREF, go online to tiaa-cref.org/moc or call (800) 842-2005, ex. 5613.

For Vanguard appointments, go online to meetvanguard.com or call (800) 662-0106, ex. 14500.

For more information, contact your benefits department.

Syndrome

— from Page 1

it identified CMI among 44.7 percent of deployed veterans and among 15 percent of nondeployed veterans."

To help understand the nature of CMI, Blanchard and his colleagues reviewed the data looking for associations between CMI and a variety of other medical conditions. Of the conditions associated with CMI, all were based on symptoms rather than examination and laboratory test findings (fibromyalgia syndrome, chronic fatigue syndrome, upset stomach), except metabolic syndrome.

Fibromyalgia syndrome afflicts sufferers with persistent, widespread pain. Chronic fatigue syndrome leaves sufferers with a disabling loss of energy.

While acknowledging that these conditions have serious effects on veterans' health and quality of life, Blanchard notes that they are both based on subjective symptom reports from the patient.

Diagnosis of metabolic syndrome, in contrast, is based on patients meeting at least three of five objective criteria:

- elevated blood pressure;
- high levels of triglycerides in the blood;
- low levels of HDL, also known as good cholesterol;
- elevated levels of blood glucose after fasting; and
- a large waist size.

In both deployed and nondeployed veterans diagnosed with CMI, the prevalence of metabolic syndrome was twice that of veterans not suffering from CMI. Metabolic syndrome is associated with several-fold risk of death from coronary artery disease.

"Physicians need to be aware of the potential manifestations of CMI and the need to treat them, and metabolic syndrome is a key example," Blanchard said.

"There's quite a bit of literature on this condition, and there are steps physicians can encourage their patients to take — such as increased exercise, stress management and dieting to reduce abdominal fat — that can lessen its effects."

In addition, some of the individual health risk components of the metabolic syndrome can be treated with currently available medications.

Researchers also screened for factors prior to time in the service that affected CMI risk, looking at age, race and other demographic factors, military characteristics, as well as medical and psychiatric history.

"History of psychiatric conditions prior to service appears to place veterans at a significantly increased risk of CMI," Blanchard said.

"This should not be taken as an indication that CMI is all in the veteran's head; the condition has physical manifestations that are very real, including objectively defined conditions such as metabolic syndrome."

Blanchard and others suspect CMI may be connected to malfunctions in the body systems that respond to stress, such as the nervous system. Battlefield stress may help trigger the disorder in deployed veterans. Veterans who develop CMI without serving in the field of combat may be responding to other sources of stress.

Blanchard is conducting a follow-up study of 100 individuals with CMI and 100 without. The study includes an extensive evaluation of participants' stress response systems.

plans to help lessen family financial burdens. The Partners in Education with Parents (PEP) plan allows University charges for all undergraduate years to be paid in monthly installments over as many as 10 years at competitive fixed interest rates. The advantage of this plan is that a family can decrease the effect of future tuition and room-and-board increases, depending on the level of participation the family chooses. There also is a monthly payment plan that allows families to spread all or part of a single academic year's expenses over 10 equal monthly payments without interest charges.

Campus Watch

The following incidents were reported to University Police **Dec. 14-Jan. 17**. Readers with information that could assist in investigating these incidents are urged to call 935-5555. This information is provided as a public service to promote safety awareness and is available on the University Police Web site at police.wustl.edu.

Dec. 22

9:35 a.m. — A person reported the theft of a computer from a table inside the library of Louderman Hall. The theft occurred between 5 p.m. Dec. 21 and 8:20 a.m. Dec. 22.

Jan. 3

8:26 a.m. — An employee reported the theft of \$220 in cash from a drawer in the pharmacy area of health services. There were no signs of forced entry. The theft occurred between 3 p.m. Dec. 30 and 10 a.m. Dec. 31.

Jan. 17

12:46 p.m. — A student reported that upon his return from winter break, his car stereo had been stolen from his vehicle, which had been parked in the Snow Way Garage.

Additionally, University Police responded to three reports of property damage, three reports of larceny and one report each of bad check, arrest, fire alarm, trespassing, auto accident, arson, assault, policy violation, institutional vandalism, burglary and disturbance.

Record

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Notables

Center for the Humanities announces Faculty Fellows

The Center for the Humanities in Arts & Sciences has announced its spring 2007 Faculty Fellows.

The recipients are Patrick Burke, Ph.D., assistant professor of music; Gerald Izenberg, Ph.D., professor of history; and Akiko Tsuchiya, Ph.D., associate professor of Spanish, all in Arts & Sciences.

Each will spend a semester in residence with the center, researching a new book project while attending a variety of presentations and delivering one formal, public lecture about their work.

Burke will conduct research for *Come In and Hear the Truth: Jazz and Race on Manhattan's 52nd Street, 1930-1950*, an examination of New York's 52nd Street nightclub district from the Great Depression into the postwar era.

Burke argues that jazz of the period both reflected and helped to create U.S. notions of racial identity and proposes a new model of jazz history, one that addresses music's power to inform and subvert racial ideology.

Izenberg's *Identity: From Individual Crisis to Collective Politics* will explore the modern concept of identity-as-self-definition. In particular, Izenberg will focus on how the concept has evolved from its beginnings in the 1920s down through the present, in both European and American thought and culture.

Tsuchiya's *Gender and Devi-*

ance in Nineteenth-Century Spain will scrutinize the cultural meanings and anxieties underlying the obsessive fin-de-siècle interest in "gender trouble." In particular, Tsuchiya will examine literary and visual representations — as well as medical, anthropological and political writings on women — to contextualize female deviance and explain how social deviance of any type was often characterized as "feminine" in discourses of the period.

The faculty fellowships, now in their second year, are designed to provide both physical and intellectual environments for innovative, interdisciplinary scholarship and teaching.

The fellowships are open to all tenured and tenure-track faculty in Arts & Sciences. Winners are selected by a panel of University faculty and outside reviewers.

Currently in-residence for spring are Erin McGlothlin, Ph.D., assistant professor of Germanic language & literatures; Peter Kastor, Ph.D., assistant professor of history; and Harriet Stone, Ph.D., professor of romance languages, all in Arts & Sciences.

Applications for the 2007-08 academic year will be accepted July 1-Oct. 2, with announcement of the winners in December.

For more information, go online to cenhum.artsci.wustl.edu or contact Jian Leng, associate director of the center, at 935-4008 or cenhum@artsci.wustl.edu.



Being responsive Robert E. Thach, Ph.D., dean of the Graduate School of Arts & Sciences, meets students from Chinese universities during a scholarship information-exchange event that was part of the International Graduate Scholarship Conference held recently in Beijing. Washington University and the China Scholarship Council co-sponsored the conference to address the declining number of Chinese students seeking educational opportunities in the United States. The two-day conference, which brought together representatives of 16 leading educational and research institutions in Beijing with graduate deans from 12 leading U.S. research universities in the Woodrow Wilson Foundation's "Responsive Ph.D." consortium, was such a success that WUSTL has been invited to co-host again this fall. The graduate deans hope to encourage graduates of China's most prestigious universities to apply for advanced scholarships and fellowships available in the United States. Some 600 Chinese students attended the information-exchange event.

Campus Authors

Lee D. Hoffer, Ph.D., research instructor, Department of Psychiatry in the School of Medicine

Junkie Business: The Evolution and Operation of a Heroin Dealing Network

(Thomson-Wadsworth Publishing (December 2005))

While pursuing a doctorate, Lee Hoffer worked with a small research group at the University of Colorado Health Sciences Center.

The group, called "Urban Links," conducted HIV prevention projects and specialized in ethnographic research, which required interviewing and observing active drug users' behaviors within the natural context in which they occurred.

This meant establishing rapport with drug users and going into the field with them.

It was there Hoffer met two homeless heroin users, Kurt and Danny, and the nexus for Hoffer's book *Junkie Business: The Evolution and Operation of a Heroin Dealing Network* was born.

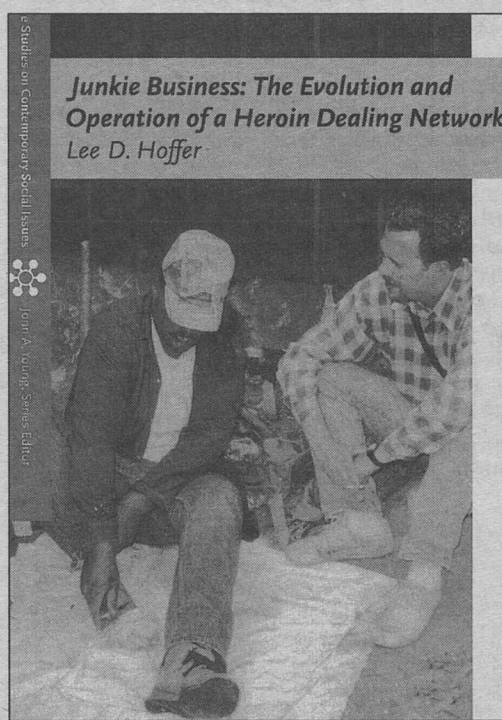
The work is an ethnographic case study of how these two users became heroin dealers and operated their dealing network from 1997-2000 in Denver.

"I have always been interested in the distribution of illegal drugs," Hoffer said. "All drug users engage the illicit drug economy through sales or exchange, and many drug users participate in selling drugs to support or defray the costs of their addictions."

"However, studying these topics is not something one can easily plan to do, especially from the research perspective of the dealer."

But having met Kurt and Danny through Urban Links, trust and rapport had already been established, so the two allowed Hoffer near-unfettered access into their lives.

"I became a fixture at Kurt and Danny's apartment," Hoffer said. "For months I watched them sell heroin and interviewed them about what they were doing. I also interviewed many of their customers."



The central aim of *Junkie Business* is to describe how an illegal business — selling heroin — developed and was operated. The research covers the period prior to the main dealers selling heroin and documents how the operation progressed from a loose-knit street-based partnership to a private business with a clear and well-organized division of labor.

How the business changed the lives of the dealers also is a consistent theme.

The magnitude and resiliency of the underground economy associated with the distribution of heroin is astounding. Maintenance of a heroin addiction requires daily use of the drug.

Because addicts typically cannot maintain a surplus they often have to purchase the drug every day.

With estimates of between 1 million and 3 million heroin users in the United States, the daily numbers of heroin sales are striking. But in spite of this considerable activity, little is known about

how clandestine organizations that sell heroin operate, adapt or change over time. The day-to-day life of a heroin dealer remains a mystery.

At least until Hoffer came along and met Kurt and Danny.

Hoffer admits he went into the study with some preconceived assumptions about drug-dealers and violence, but those notions were quickly dashed after witnessing firsthand the day-to-day operations.

"When I began this study, I thought about heroin dealing (and all drug

dealing) like most people think about illegal drug dealing, namely that it is violent, chaotic, unorganized and unpredictable," Hoffer said.

"My research project came to focus on why were Kurt and Danny successful heroin dealers? Ultimately, selling heroin was very hard work and it did not free the dealers from responsibility. As their only source of income, eventually the business took on a life of its own, and for Kurt and Danny there was simply no way out other than to continue to deal."

"Ultimately, the book details how the organization the dealers created and managed was not chaotic," Hoffer added. "On the contrary, in all illegal drug markets there are rules and structures that organize both customers' and dealers' behaviors. The system works because most of the time users follow those rules."

— Andy Clendennen

Obituaries

Carlson, Olin School professor emeritus

BY SHULA NEUMAN

Art Carlson, Ph.D., professor emeritus of accounting at the Olin School of Business, died Saturday, Jan. 14, 2006, while undergoing surgery to treat an infection that had spread throughout his body. He was 82.

Carlson joined the business school faculty in 1952 and retired in 1988. During that time, he was active in many professional organizations and received several awards, including a distinguished alumni award from his undergraduate — and hometown — college, the University of Wisconsin-Whitewater.

Carlson served in the U.S. Navy from 1943-46. Working as a supply and disbursing officer, he was stationed on convoy duty to the Mediterranean.

He earned a master's degree in business administration from Harvard University and a doctorate in production and management from Northwestern University.

Carlson's retirement didn't keep him away from campus; he was still a mainstay at Simon Hall, according to Gary M. Hochberg, Ph.D., associate dean of undergraduate programs at the Olin School.

"Art cared deeply about his teaching and about each of his students," Hochberg said. "Even after he retired, he continued to be around the school, using the emeritus faculty office here in Simon Hall and having lunch at Whittemore House — every day at 11:30 a.m., like clockwork."

Hochberg said that when he started working at the University, Carlson was one of the first people to welcome him.

"I have a vivid memory of Art and the late Ray Hilgert (professor emeritus of management and industrial relations) standing in

the doorway of my first office in Prince Hall, welcoming me to the school and telling me folklore about the place," Hochberg said.

"He'll be missed by those of us who were fortunate enough to have known him."

Carlson is survived by his wife of 61 years, Lorraine; son George A. Carlson; sister Pauline Freidrichs; three grandchildren; and four great-grandchildren.

Services were Jan. 19 at the Episcopal Church of the Holy Communion in University City.

In lieu of flowers, the family asks that memorials be sent to The Hospitality Room Fund at The Episcopal Church of the Holy Communion, 7401 Delmar Blvd., University City, MO 63130.

Nicholas, 93

Elizabeth "Betty" Nicholas, secretary to the dean of Arts & Sciences from 1959-1982, died Monday, Dec. 5, 2005. She was 93. In 1933, she joined The Woman's Club of Washington University and was an elected official from 1985-88.

Rola, 82

Mary "Pete" Rola, administrative assistant in the Department of Otolaryngology at the School of Medicine from 1965-1985, died Wednesday, Dec. 21, 2005. She was 82.

Upton, 88

Miller Upton, Ph.D., dean of the School of Business and Public Administration from 1951-54, died Monday, Dec. 19, 2005, at his home in Fontana, Wis. He was 88.

Washington People

At one time, pediatric emergency medicine physician Robert M. "Bo" Kennedy, M.D., could guess, without even looking, how many patients were waiting for treatment in the St. Louis Children's Hospital Emergency Department. The loud cries of these frightened children, many of them in pain, always tipped him off.

With his trademark intensity, Kennedy decided they could do better. So in his research projects, he began to focus on alleviating children's anxiety and suffering from the moment they enter the hospital. Thanks to a range of regimens that he has developed in collaboration with colleagues in anesthesiology and psychiatry, the noise level in his department has noticeably tapered off.

"I really think that we have worked hard to become the 'ouchless emergency department,'" says Kennedy, who is also an associate professor of pediatrics. Along the way, some of his innovations have changed emergency room treatment worldwide.

"Bo Kennedy is simply one of the finest pediatric emergency



Bo Kennedy, M.D., lets 2-year-old Jordan Schneider check out his stethoscope. Kennedy treated Jordan for a dislocated elbow in the St. Louis Children's Hospital Emergency Department.

The ouchless ER doctor

Bo Kennedy, M.D., does all he can to ease the pain of young patients

physicians in practice today," says David M. Jaffe, M.D., head of the division of pediatric emergency medicine. "He is passionate about alleviating the pain and anxiety of children in the emergency department and has become a leader in clinical investigation in this area. Bo was here before our division existed, and we are fortunate to have benefited from his many contributions over the past 20 years."

Among the treatments that Kennedy has pioneered is the use of buffered lidocaine — injected with tiny, 30-gauge needles — to blunt the pain of starting an intravenous line. Even sleeping babies only stir a little but don't awaken when he hooks them up.

Another is the combination of two drugs, ketamine and midazolam, which he tested in children with forearm fractures who needed a painful bone realignment. The results were clear: ketamine worked better and caused fewer breathing complications than earlier drug combinations. Over time, the staff began using IV-administered ketamine for a variety of serious procedures, such as treating burns.

"But there were more minor procedures, such as suturing lacerations, where we really only needed a local anesthetic and lighter sedation," he says. "Using ketamine seemed like using a sledgehammer when a tack hammer would do."

Working with colleague Janet D. Luhmann, M.D., assistant professor of pediatrics, Kennedy began to take a fresh look at nitrous oxide or "laughing gas," often used in dental procedures. In small children with facial lacerations, was it as effective as midazolam or did the two work best together?

The nitrous oxide had joyous results.

"One 2-year-old with facial lacerations was screaming at the idea of putting on topical anesthetic gel, but when he was given the nitrous oxide, his screams turned into giggles," Kennedy says. "Then

each month. "That's what attracted me to medicine — service to others. I can't imagine doing anything else."

Kennedy's own childhood, spent in Virginia and Georgia, charted the course for his career. From his father, a Presbyterian minister, he learned a philosophy that has seen him through many a long night: When you're interacting with people, work on the assumption that they are doing the best they can, all

irresistible proposal: cycling to Alaska to visit their sister. This time, Kennedy invited his girlfriend, a pediatric nurse, to join them and she said yes — both to the trip and to a wedding. The 3,000-mile trek became their honeymoon; once in Alaska, they spent a year working and having outdoor adventures.

Back in St. Louis, Kennedy rejoined his old division, where he has since held administrative roles: organizing its educational program as associate director for educational affairs; and directing the Pediatric Advanced Life Support Program. From 2003-05, he served as medical staff president, working with anesthesiologist John D. McAllister, M.D., to create a pain and sedation subcommittee. He also helped develop some of the original trauma center regulations for the state of Missouri.

Kennedy and his wife, Carol, have four children: twins Greg and Scott, 19, both freshmen at Washington University; Julie, 16; and David, 13. The Glendale-based family enjoys backpacking vacations — the more rigorous, the better.

"Once we went off and laid on a beach, and everybody got real bored by that," says Kennedy, who commutes to work by bicycle several times a week.

Research still beckons, especially the idea of tailoring pain management to a patient's preference. Trying to determine exactly which child will do best with which medication is a long-term goal. How long will it take to do it right?

"A lifetime," he says, anticipating the challenge.

"Bo Kennedy is simply one of the finest pediatric emergency physicians in practice today. He is passionate about alleviating the pain and anxiety of children in the emergency department and has become a leader in clinical investigation in this area."

DAVID M. JAFFE

his mother, who was standing at the bedside trying to calm him, started laughing — and all the tension just melted away."

Building on this work, he has tested nitrous oxide for other purposes, most recently for fractured forearms, in conjunction with injected lidocaine. Again, this combination was as effective — and easier on the child — than the ketamine and midazolam. Because forearm fractures account for three-quarters of all broken bones that need to be realigned, this finding has "a big impact," he says.

Reducing a patient's suffering has sometimes taken a common-sense approach. When children walk into the emergency room, they may be in pain from a broken bone or cut. By the time they get into a room, some 30-60 pain-filled minutes may have elapsed.

"We set up standing orders for the nurses in triage to administer a pain medicine, oxycodone, even before the patient goes to X-ray," Kennedy says. "That can be one of the most painful parts of the visit, because the technologist has to move the broken limb to get different views. With the oxycodone kicking in, kids are in much less pain."

Even non-pharmacologic changes can have a major effect. Recently, Kennedy worked with colleagues to complete a study showing that children who sit on their mothers' laps instead of lying on a stretcher do not need sedation while the medical team starts an IV or stitches up their cuts.

"I enjoy making the hospital a better experience for my patients," says Kennedy, who works days, nights, even 2-3 overnight shifts

things considered.

"That has helped me address, at 3 in the morning, a mom whose child has a problem that has been going on for weeks or months," he says. "Why tonight? There must be something that I'm missing, rather than 'she's here to punish me.' It helps you get past the judgmental baggage and focus on the problem at hand."

The rest of his family also had an influence. From his mother, an elementary school teacher, he picked up a love for children, and from his older brother Monty, a pediatrician in Dallas, he acquired a nickname: "Bo," a childhood mangling of the word "brother."

With that brother, he undertook a 5,200-mile, cross-country bicycle trip in June 1976, just after he graduated from Georgia Institute of Technology and before he went off to the Medical College of Georgia.

He left Georgia to come to Children's Hospital for his pediatric training and, in 1983, inaugurated the field of emergency medicine there, as the first faculty member with a full-time presence in the emergency department.

"As I rotated through all of the subspecialties in pediatrics, I was seduced by each and every one. I loved newborn medicine, pediatric cardiology, endocrinology," he says. "Soon I realized that I didn't want to focus on one, excluding the others. What they say about emergency medicine is that we're experts in the first 20 minutes of everybody else's subspecialty. It necessitates keeping up with a broad area."

One year after he joined the faculty, his brother returned with an

BY CANDACE O'CONNOR



(Front row, from left) Greg, Julie and Scott; (back row) Bo, David and Carol enjoy a recent vacation to Balsam Lake, Wis.

Robert M. "Bo" Kennedy

University title: Associate professor of pediatrics

Clinical and teaching duties: Working as an attending physician in the St. Louis Children's Hospital Emergency Department, where he serves as a preceptor for pediatric house staff and medical students rotating through the unit. In addition, Kennedy coordinates the Pediatric Emergency Medicine Conference; is medical director of Pediatric Advanced Life Support; is director of the Suture Nurse Program; and is coordinator of the Pediatric Grand Rounds Conference for Adult Emergency Medicine Residents.

Research interests: Evaluation and reduction of pain and distress in pediatric emergencies, sedation techniques and laceration repair in young children.