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# Record

Sept. 17, 2004

Volume 29 No. 6



Washington University in St. Louis

## MSNBC's Matthews is Founders Day speaker

Distinguished alums will receive awards

By BARBARA REA

The University's annual commemoration of its founding will be held Oct. 2 at the Adam's Mark Hotel in St. Louis.

Highlights of the event will include the presentation of awards for distinguished alumni and faculty and a keynote address by MSNBC's Chris Matthews. In

addition, the Board of Trustees will present the Robert S. Brookings Awards.

Founders Day is sponsored by the University's Alumni Board of Governors.

Faculty members Thomas M. DeFer, Nicholas Dopuch, Milorad Dudukovic and Beata Grant will receive awards for outstanding commitment and dedication to

the intellectual and personal development of students.

Recipients of the Robert S. Brookings Awards will be Lucy L. Lopata and Eric and Evelyn Newman.

The seven alumni who will receive awards are Joyce Barnathan, Thomas R. Green, Alphonso Jackson, William J. Marshall, William T. Shearer, Jerome J. Sincoff and Jess Yawitz.

### Joyce Barnathan

A bachelor's degree in Russian and Chinese area studies and a master's degree in Asian studies, both in Arts & Sciences, combined with a master's degree in journalism from the University of Missouri uniquely prepared Barnathan for a career in reporting on world affairs.

She joined the staff at *Newsweek* magazine in 1979 as a senior

editorial assistant in the foreign department and worked her way through the ranks. In 1985, Barnathan became the Moscow bureau chief, covering many of the top stories of that era.

Since 1990, she has worked for *BusinessWeek*, with stints that include Hong Kong bureau manager and Asia regional editor. In addition to her editorial responsibilities, Barnathan oversaw the

See Founders, Page 6

## Longevity factors to be studied

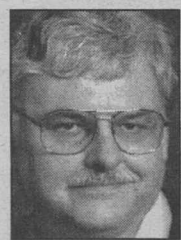
By GWEN ERICSON

School of Medicine researchers will head an ambitious study of people who live exceptionally long and healthy lives to identify the factors that account for their longevity.

A team led by Michael A. Province, Ph.D., professor of biostatistics and genetics, received a five-year, \$4 million grant from the National Institute on Aging (NIA) to establish a Data Management and Coordinating Center (DMCC) for the “Exceptional Longevity Family Study.”

“The trick is not just to live long, but to live disease-free. We want to find out how people do it,” Province said. “There is preliminary evidence from many sources that genes play a significant role, especially for the oldest of the old, those who live past 100.”

The DMCC will be the cornerstone of the multicenter longevity project, linking four study centers (three in the United States



Province

and one in Europe) funded by the NIA. The study centers will gather genetic and health information from more than 3,000 long-lived volunteers and their descendants, and the DMCC will provide a central facility to tabulate and analyze the data gathered.

“There will be a great deal of data,” Province said. “We will be looking for genetic risks for cancer, heart disease, stroke, Alzheimer's disease, diabetes — all the major risks — as well as asking about personal habits, looking at medical histories and doing clinical tests.”

The DMCC will also advise the study centers on detailed experimental design and ensure stringent quality control of the data for the duration of the study.

“We hope to develop this study into a flagship resource for human longevity research for well beyond its initial five years of funding,” Province said.

See Study, Page 7

## WUSTL partners with community teachers



Karen Brannon (left), mathematics coordinator for the University's Science Outreach Program, compares notes with sixth-grade math teacher Kathy Simon (center) and seventh- and eighth-grade math teacher Katie Laramie — both of the Maplewood-Richmond Heights School District — during the outreach program's Mathematics and Science Partnership curriculum-planning session.

## Outreach program benefits science, math instructors

By DANA BENEDICKTUS AND TONY FITZPATRICK

School is back in session, and teachers are making sure that students are all on the same page. But what about the teachers? Shouldn't they be on the same page, too?

Getting on that page involves a balancing act. Elementary- and high-school teachers need to match their instruction to state standards and district curriculum.

They must reinforce knowledge from previous grades and include new information. And teachers need to give tests that provide an accurate picture of students' learning.

While it may sound simple, getting content, teaching methods and testing to work together — and then to coordinate across grade levels — is an annual challenge.

As the federal government requires more accountability from

school districts, these efforts have a heightened importance. The No Child Left Behind Act (NCLB) mandates that states test each student every year in grades 3-8, and takes away money from schools where students do not meet performance standards.

Teachers from five school districts are working with WUSTL science- and math-education faculty members in an effort to align curriculum to the NCLB standards and to improve instruction.

Their work is supported by \$6.5 million from the National Science Foundation, through funding from NCLB.

The St. Louis Math and Science Partnership (MSP) provides professional development and teaching materials designed to help schools provide challenging curriculum and close achievement gaps. For teachers in St. Louis MSP partner districts Ferguson-

See Teachers, Page 6

## ‘Teaching Jazz’ institute supported by NEH grant

By LIAM OTTEN

Gerald L. Early, Ph.D., the Merle Kling Professor of Modern Letters and director of The Center for the Humanities, has received a \$222,000 grant from the National Endowment for the Humanities (NEH) Division of Education Programs.

The grant will fund “Teaching Jazz as American Culture,” an NEH Summer Institute aimed primarily at public high-school teachers that will be held at the University in 2005.

Under the auspices of The Center for the Humanities, the

institute will examine how interdisciplinary approaches to popular music, specifically jazz, can enrich a variety of subject matters; broaden understanding of American history and literature; and reveal new perspectives on race and gender in the United States.

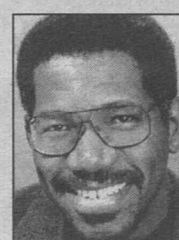
“Teaching Jazz” is intended to re-imagine how popular culture can be taught,” said Early, who also is a professor of African and Afro-American Studies and of English, both in Arts & Sciences.

“Most attempts to use popular culture in schools have been misguided or disingenuous. It is

hoped that the summer institute will offer teachers new and

engaging ways to teach popular music as a humanities subject.”

At the same time, he added, “It is also hoped that this endeavor will lead to new ways of teaching the humanities and new ways of seeing the humanities as cross-disciplinary and interdisciplinary.”



Early

One of only 14 NEH Summer Institutes for 2005, Teaching Jazz has also been designated part of “We the People,” an NEH initiative designed to explore significant events and themes in American history and culture. Instructors will include some of the nation's leading scholars of jazz music and American culture, including the University's Jeff Smith, Ph.D., director of the Film & Media Studies Program in Arts & Sciences.

The curriculum will approach jazz from social, cultural, See Grant, Page 6



## 'Work, Families and Public Policy' series starts Sept. 20

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 November.

Now in its eighth 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.

Robert A. Pollak, Ph.D., the Herreich Distinguished Professor of Economics in Arts & Sciences and the Olin School of Business, has been the lead organizer of the series for the past seven 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 designed to promote interdisciplinary research. The presentations are listed below.

• **Sept. 20:** Janet Currie, Ph.D., professor of economics at the University of California, Los Angeles, will discuss "Socio-Economic Status and Intergenerational Correlations in Birth Weight."

• **Oct. 4:** Pollak will speak on "Long-Term Care of the Disabled

Elderly: Spouses, Children, and Stepchildren."

• **Oct. 18:** Jeff Milyo, Ph.D., associate professor of economics at the University of Missouri, will focus on "The Causes and Consequences of Social Capital."

• **Nov. 1:** Mary Anne Case, J.D., the Arnold I. Shure Professor of Law at the University of Chicago, will discuss "The Role of the State in Marriage and the Corporation."

• **Nov. 15:** Peter A. Diamond, Ph.D., the Institute Professor of Economics at Massachusetts Institute of Technology, will focus on "Saving Social Security."

• **Nov. 29:** Richard Frank, Ph.D., the Margaret T. Morris Professor of Health Care Policy at Harvard University Medical School, will speak on "Mental Illness, Substance Abuse and Welfare Reform."

The series is sponsored by the Olin School, GWB 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](http://www.olin.wustl.edu/links) and click on the "Academic Seminars" link on the right.

For additional information, contact Pollak (935-4918; [pollak@wustl.edu](mailto:pollak@wustl.edu)) or Sherraden (935-6691; [sherrad@wustl.edu](mailto:sherrad@wustl.edu)).

## Heeding signs is essential at Skinker, Forest Park Parkway

BY ANDY CLENDENNEN

Because of the confusion that can sometimes result from road closures during construction, it's imperative that pedestrian and bicycle traffic heed the appropriate signage at the intersection of Skinker Boulevard and Forest Park Parkway.

As a result of MetroLink's cross county extension, all pedestrian traffic is prohibited from crossing Skinker at this intersection, and several signs are posted alluding to that.

The appropriate, safe and only route through the intersection is on the east side of Skinker.

Ample signage has been posted throughout the intersection and to the north and south to safely guide pedestrians and motorists. Pedestrians and bicyclists should, at all times, follow the signage and use approved sidewalks and the pedestrian walkway along Skinker over the parkway.

The safe and legal route for pedestrian and bicycle traffic

through this intersection is as follows:

Pedestrians and bicyclists leaving the Hilltop Campus are to cross Skinker at Lindell Boulevard. From there, progress north on Skinker using the sidewalk on the east side of the street. Continue north using the sidewalk on the east side of Skinker until you are north of the temporary bridge over the parkway, by Kayak's Coffee and Provisions.

Once pedestrian and bicycle traffic is north of the parkway, Waterman Avenue — which has both a traffic light and a crosswalk — is the next-safest place to cross Skinker.

Southbound pedestrians and bicyclists headed to the Hilltop Campus should cross to the east side of Skinker at Waterman, follow the sidewalk south to Lindell and cross Skinker there.

Under no circumstances are pedestrians or bicyclists to walk or ride east on Forest Park Parkway toward the intersection, or west on Forest Park Parkway from the intersection.

solving ability, to a project examining people's ability to detect changes in the visual world.

Some studies are conducted by mail or telephone; others are done in a laboratory at the University.

To be a part of the volunteer pool, call Lily Beck at 935-6546 and leave your name, telephone number and date of birth. At the start of a new project, volunteers will be contacted to see if they are interested in participating.

Volunteers often are paid a small honorarium in recognition of their contribution.

## Aging program seeks adult research volunteers

BY GERRY EVERDING

Adults of all ages are being invited to become volunteer participants in research conducted by faculty and students connected with the Aging and Development Program of the Department of Psychology in Arts & Sciences.

Some of the studies deal with practical problems, others with basic abilities such as thinking, memory and perception. Current projects range from a study of the influence of personality on people's judgment of their problem-

## WOMEN'S SOCCER

### Fowler-Finn nets five in 3 games

The No. 9 women's soccer team posted three wins last week to improve to 5-0. The Bears began the week with a 2-1 win against Webster University on Sept. 7. Sophomore MeghanMarie Fowler-Finn netted the game-winning goal in the 47th minute.

On Sept. 11, Fowler-Finn scored two goals, including the tying goal in the 68th minute, as the Bears posted a 3-2 upset victory at No. 3 Ohio Wesleyan University. Fowler-Finn got the Bears on the board in the 18th minute as she scored off a rebound. Sophomore Sara Schroeder then notched the game-winning goal for the Bears in the 79th minute.

The Bears capped the week with a 1-0 win over No. 25 Denison University on Sept. 12. Fowler-Finn beat Denison goalkeeper Liz Gillette with a free kick from 20 yards out in the 16th minute as the Bears posted their fourth win over a top-25 opponent this season.

Fowler-Finn now has 15 goals in 22 career games to rank No. 9 on the all-time WUSTL goals-scored list. She also moved into the top-10 in career points with 33 (T-10th) and career game-winning goals with five (T-9th).

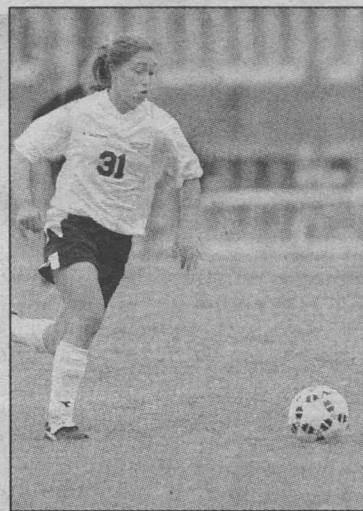
## FOOTBALL

### Bears even slate; beat Westminster

The football team evened its record at 1-1 with a 41-20 win against Westminster College on Sept. 11 at Francis Field. WUSTL took the opening kickoff 78 yards on 12 plays for its first score of the season, as senior quarterback Adam Meranda scored from 1-yard out.

Westminster (0-2) knotted the score at 7 with 11:23 remaining in the second quarter after Boone Brady capped a 12-play, 61-yard drive with a 1-yard plunge.

The Bears defense, which allowed just 104 yards on 34 plays in the opening half, made the first big play



Sophomore MeghanMarie Fowler-Finn scored five goals in three games last week and already ranks No. 9 on the WUSTL all-time goals-scored list.

of the game with 6:19 left in the second quarter. On a key 3rd-and-6 on the Bears 41-yard line, junior Joe Rizzo intercepted Westminster quarterback Val Leppert and returned it 60 yards for a touchdown. The interception for Rizzo was the eighth of his career.

WUSTL outgained Westminster 347-186 in total offense.

## VOLLEYBALL

### Home team wins tourney title

The No. 4 volleyball team went 3-1 en route to winning the WUSTL National Invitational title at the Field House. The Bears defeated No. 23 University of St. Thomas, 3-0, and No. 11 University of Wisconsin-Whitewater, 3-1, to open play Sept. 10.

Senior Colleen Winter recorded nine of her 14 kills in the first game against St. Thomas. Junior Kara Liefer led the Bears with 12 kills, 16 digs and 43 assists against Whitewater. It was Liefer's third career triple-double.

Liefer bounced right back in the first match on Sept. 11 against No. 5 Ohio Northern University. The Bears prevailed, 3-2, in a five-game thriller, led by another Liefer triple-double. Junior Megan Houck led the team with 16 kills

against No. 13 Central College in the final match of the tournament, but it was not enough as Washington U. fell, 3-1.

Houck and Liefer were each named to the All-Tournament Team.

## MEN'S SOCCER

### Offensive burst leads to wins

The Bears dominated the opposition last week, sweeping No. 21 Rhodes College and Blackburn College.

The Bears opened the week with a 3-1 win over Rhodes on Sept. 10 at Francis Field. After Rhodes took a 1-0 lead in the second half, senior Seth Schreiber tallied the Bears' first goal at the 55:50 mark to even the score, and classmate Andrew Dennis IV connected on the eventual game-winner eight minutes later.

Junior Rob Weeks added a goal with less than four minutes to play to round out the scoring.

Washington U.'s strong offensive play continued in a 5-1 win against Blackburn on Sept. 12 at Francis Field. The Bears outshot Blackburn 28-3, and were led by junior Nick Kalschauer's two goals and two assists.

## HONORS

### Athletes receive UAA recognition

Two women's soccer players garnered University Athletic Association Athlete of the Week honors last week.

Senior goalkeeper Charlotte Felber took defensive honors, while freshman midfielder Kim O'Keefe earned offensive honors.

Felber registered shutout victories over two NCAA Division III top-25 teams at the DePauw University Classic in Greencastle, Ind.

O'Keefe tallied the game's only goal in the 22nd minute of the first half, leading the defending UAA champions to an upset victory over DePauw. The goal was the first of her collegiate career.

## Literary historian to speak for Writing Program

BY LIAM OTTEN

Literary historian Harold Love, the visiting Fannie Hurst Professor of Creative Literature in the Department of English in Arts & Sciences, will speak on "Print and Voice" Sept. 23 as part of the Writing Program Reading Series.

The talk is free and open to the public and will take place at 8 p.m. in Hurst Lounge, Duncker Hall, Room 201.

Love, a prominent critic of early modern literature, is the author of numerous scholarly works, including most recently *English Clandestine Satire 1660-1702* (2004), as well as *Attributing Authorship: An Introduction* (2002); *The Works of John Wilmot, Earl of Rochester* (1999); *The Culture and Commerce of Texts: Scribal Publication in Seventeenth-Century England* (1997); and *The Golden Age of Australian Opera: W.S. Lyster and His Companies 1861-80* (1981).

"Harold Love is simply one of the most gifted literary historians writing today," said Joseph Loewenstein, Ph.D., professor of English. "He has every skill one would seek in a scholar-critic of early modern literature — a startlingly wide breadth of interests, an unusual depth of information immediately at his fingertips, theoretical acuity, extraordinary literary sensitivity."

"Above all, he has a huge tal-

ent for discovering interesting, widely implicative problems and what seems to be a passionate diligence about follow-through, accumulating all the information necessary to make a big, juicy, coherent and reliable response to the problems he discovers.

"Rochester and his 'canon,' scribal culture in the (imperfectly designated) age of print, the literary smear — knowing how worthy and capacious these are as topics was the first achievement, and plenty of critics would make a name for themselves just by getting our attention to these as

topics," Loewenstein continued.

"But to invent these topics and then to probe them with accuracy and wit and responsibility to the historical record and to the imaginative weight of that record, that's really the work of genius."

Born in Brisbane, Australia, Love is professor emeritus in the Department of English at Monash University's School of Literary, Visual and Performance Studies.

A book-signing and reception will follow; copies of Love's books will be available for purchase.

For more information, call 935-7130.

## Congressional candidates to debate here

BY GERRY EVERDING

An important debate among the three candidates for Missouri's hotly contested 3rd District seat in the U.S. Congress will begin at 7 p.m. Sept. 21 in the May Auditorium of Simon Hall.

Free and open to the public, the candidate debate is sponsored by the Weidenbaum Center on the Economy, Government, and Public Policy in Arts & Sciences, and three local media outlets: KETC-TV Channel 9, KWMU public radio and the *St. Louis Post-Dispatch*.

All three candidates for the seat — Libertarian Kevin Babcock, Democrat Russ Carnahan, and Republican Bill Federer — have

agreed to participate. All are vying to fill the seat held since 1976 by Richard Gephardt.

The race will be decided in the Nov. 2 general election.

Jim Kirchherr, a program host and senior producer at KETC, will moderate the debate. Candidates will field questions on foreign- and domestic-policy issues as presented by a panel composed of student Katie Ridgway, a WUSTL political science and economics major from Westerville, Ohio; Jo Mannies, a political reporter from the *Post-Dispatch*, and Tom Weber, KWMU public radio's morning drive newscaster and reporter.

For more information, call Melinda Warren at 935-5652.



## School of Medicine Update

## It's all in the genes

## Gene linked to alcoholism and depression

By JIM DRYDEN

**A** national team of investigators led by University psychiatric geneticists has identified a gene that appears to be linked to both alcoholism and depression.

The study, published in the September issue of the journal *Human Molecular Genetics*, is the first to identify a specific gene associated with both depression and alcoholism.

"Clinicians have observed a connection between these two disorders for years, so we are excited to have found what could be a molecular underpinning for that association," said principal investigator Alison M. Goate, D. Phil., the Samuel and Mae S. Ludwig Professor of Genetics in Psychiatry, professor of genetics and of neurology.

The research is part of the national Collaborative Study on the Genetics of Alcoholism (COGA), an ongoing project involving the collection of interviews and DNA samples from more than 10,000 people with alcohol dependence and their families.



Goate

Participants in the COGA study usually have several family members with alcohol dependence.

Because depression and alcoholism often occur together, many COGA participants also suffer from depression.

The University team analyzed DNA from 2,310 people from 262 families in which at least three members were alcoholics.

Using DNA-analysis techniques, the researchers found that one region on chromosome 7 looked remarkably similar in most alcoholics.

They then examined DNA from depressed COGA participants, independent of alcohol usage and found that the same distinguishing region on chromosome 7 also looked similar in most depressed individuals.

In addition, participants with both depression and alcoholism were the most likely to have these similarities on chromosome 7.

Having identified the general region of interest on chromosome 7, the team began trying to isolate specific key genes within that region.

The researchers started with CHRM2, a gene related to a type of cellular receptor involved in many important brain functions, including attention, learning, memory and cognition.

Goate's team made this gene its starting point because in July, a group led by researchers at the State University of New York Health Science Center in Brooklyn found that differ-

ences in electrical activity might mark susceptibility to alcoholism and that these unusual brain activity patterns are linked to CHRM2.

Goate's team found that the gene was strongly associated with alcoholism and depression. The association was strongest in those individuals who had both disorders.

"It looks as if this might be a susceptibility gene that puts a person at risk for developing both depression and alcoholism," she said.

The researchers believe normal variations in the gene either protect an

individual or make that person more susceptible to alcoholism and/or depression.

Their next step will be to identify specific variants in the gene that lead to differences in disease risk.

"It's likely that a combination of susceptibility genes and environmental risk factors lead to the development of alcoholism, depression or the combination of those disorders," she said.

"As we identify those genes, we hope to find out exactly what functional changes in the gene increase or decrease disease risk."

## Drugs may dissolve lung cancer in nonsmokers

By MICHAEL C. PURDY

**U**sing data from the Human Genome Project, University scientists have identified genetic mutations linked to lung cancer in nonsmokers.

Clinicians at Memorial Sloan-Kettering Cancer Center are testing the possibility that tumors with the mutations may dramatically "melt away" when treated with a class of drugs known as kinase inhibitors.

"It's early, but this could mean patients with these mutations could be successfully treated without having to go through chemotherapy and the much tougher side effects that brings into play," said Richard K. Wilson, Ph.D., professor of genetics and director of the Genome Sequencing Center (GSC). "That would be huge."

The study recently appeared in the *Proceedings of the National Academy of Sciences*.

Harold Varmus, M.D., senior investigator for the project and president of Memorial Sloan-Kettering, asked Wilson and his colleagues for help in learning more about the genetic basis of lung cancers in nonsmokers.

Lung cancer treatment frequently begins with surgical removal of tumors, so the Sloan-Kettering group was able to send more than 100 tumor samples to the University.

GSC scientists initially made plans to sequence several different genes in smokers and nonsmokers.

"As we were getting started on that, they let us know that preliminary evidence was starting to point toward the gene for epidermal growth factor receptor (EGFR) protein," said Wilson, who also is an associate professor of molecular microbiology.

Found on the surface of many cell types, EGFR binds to another protein called epidermal growth factor, triggering DNA replication and cell division. Because of its links to growth, EGFR was



Wilson

identified in the 1980s as a potential oncogene, a gene that can cause cancer when mutated or abnormally activated.

In a comparison of the EGFR gene in smokers' lung tumors and nonsmokers' tumors, GSC researchers found muta-

tions in 47 percent of nonsmokers, but only in 5 percent of smokers.

The mutations occur in a region of the protein known as the tyrosine kinase domain, which is involved in the protein's signaling function. EGFR turns on growth by sending a signal to the nucleus, the central compartment of the cell where DNA is kept.

Researchers suspect the mutations jam this signal permanently into its "on" position.

Tumors with the mutations appear to be very vulnerable to the drugs Iressa

and Tarceva.

"Doctors at Sloan-Kettering are giving these drugs to people with this mutation who have fairly late-stage lung tumors, and they're getting extremely good responses," Wilson said. "If we could use a test for these mutations to diagnose people early on, we might even be able to treat them before the point where they must have surgery."

Wilson cautions there is still much to be learned about the mutations and their interactions with treatment. For example, there may be particular forms of the mutations that are much less sensitive to Iressa and Tarceva, and some tumors may be able to develop resistance to the drugs.

According to Wilson, scientists can start answering those questions with a combination of data from patients and from the Human Genome Project. He speculates this may one day help scientists identify similar genetic irregularities in lung tumors in smokers.

"There may not be any drug that we know of yet for blocking that alternative pathway in smokers, but just determining that pathway is there could be the first step toward designing something to stop it," Wilson said.

"We're going to see a lot more of these kinds of findings in the coming years, and data from the Human Genome Project and the high-throughput genetic sequencing technology we've built over the last decade are what will make them possible."

## Study seeks women who have had 2 or more first-trimester miscarriages

By DIANE DUKE WILLIAMS

**S**chool of Medicine researchers are seeking women who've had two or more unexplained first-trimester miscarriages to evaluate an experimental treatment to help women carry babies to term.

"Recurrent pregnancy loss affects 2 percent to 5 percent of couples trying to conceive, and specific causes are only identified in 50 percent of these patients," said Kelle H. Moley, M.D., associate professor of obstetrics and gynecology and primary investigator of the study.

"Past uncontrolled studies have suggested that Metformin can prevent recurrent mis-

carriages. Our study will determine if it does and provide some new insight on the mechanism responsible."

Women between 21-34 are eligible for the six-month study. Participants will be randomly assigned to either receive the drug Metformin or an inactive pill twice a day.

Once a participant becomes pregnant, she will receive early prenatal care, including weekly blood work and ultrasounds free of charge.

Ten percent to 15 percent of women who take Metformin experience side effects such as nausea and diarrhea.

For more information or to participate in the study, call 286-2419.

## Lowell named to homeland security position

By KIM LEYDIG

**T**he U.S. Department of Homeland Security recently named Jeffrey A. Lowell, M.D., professor of surgery and of pediatrics, as its senior adviser to the secretary for medical affairs.

Secretary of Homeland Security Tom Ridge made the announcement Aug. 23.

As senior adviser, Lowell will be responsible for integrating the department's medical capabilities to strengthen preparedness and response efforts.

Lowell, also the associate chief of abdomi-

nal organ transplantation at the School of Medicine, will closely coordinate with the Department of Health and Human Services and the Centers for Disease Control and Prevention.

Before joining the homeland security department, Lowell served in several emergency response positions for the Office of the Mayor of St. Louis, the St. Louis Area Regional Response System and the St. Louis Metropolitan Police Department.

He was also awarded a distinguished service award from the U.S. Department of Justice.



**Help for aging Americans** Karen Corsaw (left), second-year occupational therapy student in the School of Medicine, greets senior resident Ranka Goldman at the open house for The Gathering Place, a new community meeting space in West County. The new space is funded by the Administration on Aging as part of the Naturally Occurring Retirement Community (NORC) project, which is coordinated by the Jewish Federation of St. Louis in partnership with its agencies and the University's Center for Aging. The goal of the NORC project is to help aging Americans spend their senior years in their own homes by optimizing support services that provide transportation, health and human services and home modifications.



## University Events

# Faculty Stahl, Turner to lecture for Assembly Series

BY MARY KASTENS

**P**hilip D. Stahl, a prominent cell biologist and physiologist, and Jonathan S. Turner, who is internationally recognized for his accomplishments in computer networks and telecommunications, will receive the University's 2004 Faculty Achievement Awards and summarize their work at an awards ceremony Sept. 23 as part of the Assembly Series.

The event will begin at 4:30 p.m. in Uncas A. Whitaker Hall for Biomedical Engineering, Room 100.

Stahl, Ph.D., the Edward Malinckrodt Jr. Professor and chair of the Department of Cell Biology and Physiology, will receive the Carl and Gerty Cori Faculty Achievement Award.

Turner, Ph.D., the Henry Edwin Sever Professor of Engineering in the Department of Computer Science and Engineering, will receive the Arthur Holly Compton Faculty Achievement Award.

Stahl and Turner were selected by members of the faculty based on the following criteria: outstanding achievement in research and scholarship; recognized prominence within the community of scholars; service and dedication to the betterment of the University; and commitment

## Dinh, who worked on Patriot Act, to talk Sept. 22

BY KURT MUELLER

**V**iet D. Dinh, professor of law and director of the Asian Law and Policy Studies Program at Georgetown University, will speak about "Liberty and the Rule of Law After September 11th" for the Assembly Series Sept. 22.

The talk, which is part of the School of Law's "Access to Justice" Public Interest Law Speakers Series, will be held at 11 a.m. in the Bryan Cave Moot Courtroom, Anheuser-Busch Hall, Room 310.

As the U.S. assistant attorney general for legal policy under John Ashcroft from 2001-03, Dinh worked on a number of important initia-

tives, including the U.S.A. Patriot Act. He previously served as associate special counsel for the U.S. Senate Whitewater Committee and as special counsel to Sen. Pete Domenici, R-N.M., for the impeachment of President Clinton.

Dinh specializes in constitutional law, corporations law and the law of economic development. He is a graduate of both Harvard College and Harvard Law School.

All Assembly Series lectures are free and open to the public. For more information, go online to [assemblyseries.wustl.edu](http://assemblyseries.wustl.edu) or call 935-5285.



Dinh

to teaching.

**Stahl** combines his numerous scientific accomplishments with an untiring devotion to education and mentorship.



Stahl

He was the first man to receive the Women in Cell Biology Senior Career Recognition Award from the American Society for Cell Biology for his work on recruiting and mentoring women.

He has also been an avid supporter of the educational mission

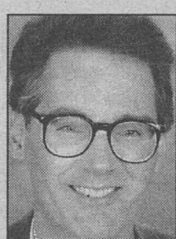
of the University. He was instrumental in the conception of the new Farrell Learning and Teaching Center, which will foster formal and informal interactions among students as well as provide state-of-the-art teaching and seminar facilities.

Stahl is recognized for his investigations into the mechanisms involved in endocytosis, the process through which cells absorb external substances such as proteins. He is studying endocytosis and signal transduction in cancerous cells in an effort to understand how growth signals are internalized into cells.

He is also investigating the ways in which pathogens and

cellular debris are transported to sites inside cells where they can be broken down and destroyed.

**Turner's** early work on high-performance packet-switching systems and networks played a central role in the development of Asynchronous Transfer Mode technology, a flexible, reliable and efficient



Turner

communications technology that was developed to enable voice, data and video applications to co-exist in a common, high-quality

communications infrastructure.

With colleagues Jerome R. Cox Jr. and Guru Parulkar, Turner has led a series of major research projects that has contributed to the development of high-performance network technology and multimedia applications.

In 1997, the three also founded Growth Networks, a startup company that developed electronic components for Internet routers with aggregate capacities of more than 10 trillion bits per second.

In 2000, the company was acquired by Cisco Systems, which is expected to soon complete new high-performance systems based largely on the ideas and technologies developed at Growth Networks.

Turner's recent work centers on methods for improving the performance of Internet routers and making them more flexible by enabling them to host network plug-ins that serve as network-resident assistants for end-to-end applications.

He has authored many widely cited publications and holds more than 20 patents for his work in high-performance communication systems.

Assembly Series events are free and open to the public. For more information, call 935-4620 or go online to [assemblyseries.wustl.edu](http://assemblyseries.wustl.edu).

## Close-Embrace Tango • Indian Music • Hand and Mind

"University Events" lists a portion of the activities taking place Sept. 17-30 at Washington University. Visit the Web for expanded calendars for the Hilltop Campus ([calendar.wustl.edu](http://calendar.wustl.edu)) and the School of Medicine ([medschool.wustl.edu/calendars.html](http://medschool.wustl.edu/calendars.html)).

### Lectures

#### Friday, Sept. 17

**8 a.m. Radiation Oncology Lecture.** Annual Norman K. Probstin Oncology Lecture. "Management of Primary: Role of the Radical Prostatectomy." David Crawford, assoc. dir, cancer center, prof. of surgery, of urology, and of radiation oncology, U. of Colo. Scarpellino Aud., 510 S. Kingshighway Blvd. 362-2866.

**9:15 a.m. Pediatric Grand Rounds.** "Cerebral Injury in the Newborn Brain — From Pathogenesis to Neuroprotection." Terrie Inder, assoc. prof. of pediatrics, Royal Women and Children's Hospital, Melbourne, Australia. Clopton Aud., 4950 Children's Place. 454-6006.

**11 a.m. Computer Science Colloquium.** "Efficient Data Dissemination and Survivable Data Storage." Lihao Xu, asst. prof. of computer science & engineering, Cupples II Hall, Rm. 217. 935-6132.

**Noon. Cell Biology & Physiology Seminar.** "Comparative Molecular Physiology of Mammalian Formin Proteins: Potent Actin Assembly Factors." Henry N. Higgs, asst. prof. of chemistry, Dartmouth Medical School, McDonnell Medical Sciences Bldg., Rm. 426. 362-3964.

**Noon-4:45 p.m. Program in Physical Therapy Symposium.** Steven J. Rose Symposium. "Shoulder Impingement and the Rotator Cuff: Ultrasound and Movement Analysis." Paula Ludewig, asst. prof. of physical therapy, U. of Minn., and Sharlene Teffey, assoc. prof. of radiology, 4444 Forest Park Ave., Rm. B112. 286-1404.

**3 p.m. Dept. of Russian Lecture.** "From Ridgely Hall, to Dushanbe, to the U.S. Supreme Court: How an Idahoan Has Capitalized on His WashU Russian Degree." Michael Scoville, law clerk for Anthony M. Kennedy, U.S. Supreme Court, Women's Bldg. Formal Lounge. 935-5177.

#### Saturday, Sept. 18

**8 a.m.-3:45 p.m. Gastroenterology CME Course.** "Inflammatory Bowel Disease: A Combined Medical and Surgical Symposium." Co-sponsored by the dept. of colon & rectal surgery. Cost: \$115 for physicians, \$90 for allied health professionals. Eric P. Newman Education Center. To register: 362-6891.

#### Monday, Sept. 20

**Noon. CSNSI & Neurology Research Seminar.** "Presynaptic Proteins and Presynaptic Function in Cognitive Behavior." Craig M. Powell, asst. prof. of psychiatry and of neurology, U. of Texas. Southwestern Medical Center. Maternity Bldg., Schwarz Aud. 362-9460.

**Noon. Molecular Biology & Pharmacology Seminar.** "The Evolution of Biological Diversity: Caribbean Lizards as a Case Study." Jonathan Losos, prof. of biology, South Bldg., Rm. 3907, Philip Needleman Library. 362-0183.

**Noon. Work, Families, and Public Policy Brown Bag Seminar Series.** "Child Mental Health and Human Capital Accumulation: The Case of ADHD." Janet Currie, prof. of economics, U. of Calif., Los Angeles. Eliot Hall, Rm. 300. 935-4918.

**4 p.m. Physics Lecture.** "Tracking Crystal Structures During Phase Transitions." Matthew J. Kramer, Ames Lab. & dept. of materials science and engineering, Iowa State U. (3:40 p.m. coffee.) Compton Hall, Rm. 241. 935-6276.

**7 p.m. Architecture Monday Night Lecture Series.** "Hand & Mind." Dan Rockhill, prof. of architecture, U. of Kan. (6:30 p.m. reception, Givens Hall.) Steinberg Hall Aud. 935-6200.

#### Tuesday, Sept. 21

**Noon. Program in Physical Therapy Research Seminar.** "Activity-Based Recovery in Patients With Spinal Cord Injury. Retrospective/Prospective Study." Cristina Sadowsky, asst. prof. of neurology, 4444 Forest Park Ave., Lower Lvl., Rm. B108/B109. 286-1404.

**4 p.m. Biochemistry & Molecular Biophysics Lecture.** Cori Lecture. "The Ten Commandments of Enzymology and the Importance of Inorganic Polyphosphate." Arthur Kornberg, prof. emeritus of biochemistry, Stanford U. Moore Aud., 660 S. Euclid Ave. 362-0261.

**6 p.m. AIDS Clinical Trials Unit Program.** "Update From the XV International AIDS Conference." Eric P. Newman Education Center. RSVP to 747-1922.

**6 p.m. Architecture Monday Night Lecture Series.** "Piero Lissoni: Design Stories." Piero Lissoni, designer, Studio Lissoni, Milan. Sponsored by Centro and Kartell. Steinberg Hall Aud. 935-6200.

#### Wednesday, Sept. 22

**11 a.m. Assembly Series.** "Liberty and the Rule of Law After September 11th." Viet D. Dinh, prof. of law and director, Asian law and policy studies, Georgetown U. Co-sponsored by the School of Law "Access to Justice" Public Interest Law Speakers Series. Anheuser-Busch Hall. 935-5285.

**12:30 p.m. Academic Women's Network Brown Bag Lunch Seminar.** "Vivé la Difference? Masculine and Feminine Approaches to Negotiation and Conflict Resolution." Judi McLean Parks, Taylor Professor of Organizational Behavior, Cori Aud., 4565 McKinley Ave. 362-6040.

**4 p.m. Biochemistry & Molecular Biophysics Seminar.** "Polyglutamine Folding and Fibril Formation and Its Relationship to Huntington's Disease." Ronald Wetzel, prof. of medicine and of biochemistry & molecular biology, U. of Tenn. Cori Aud., 4565 McKinley Ave. 362-0261.

**4 p.m. Physics Colloquium.** "Beyond Basic Research: Some Selected Applied Physics Problems in Defense or What Else Can You Do With a Physics Ph.D.?" Cynthia Dion-Schwarz, Inst. For Defense Analyses, Alexandria, Va. (3:30 p.m. coffee, Compton Hall, Rm. 245.) Crow Hall, Rm. 204. 935-6276.

#### Thursday, Sept. 23

**8:10 a.m.-4:30 p.m. Obstetrics & Gynecology CME Course.** Annual Symposium on Obstetrics & Gynecology. (Continues 8:15 a.m.-4:30 p.m. Sept. 24.) Cost: \$335 for physicians, \$245 for allied health professionals. To register: 362-6891.

**Noon. Genetics Seminar Series.** "Evolutionary Conservation and Change in Vertebrate Regulatory Architecture." Lisa Stubbs, genome biology division, Lawrence Livermore National Laboratory, Livermore, Calif. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

**4 p.m. Chemistry Seminar.** Kennedy Lecture. "PET: Imaging the Biology of Diseases From Cancers to Alzheimer's." Michael Phelps, Norton Simon Professor and chair of molecular and medical pharmacology, U. of Calif., Los Angeles. (3:15 p.m. reception, Millstone Lounge.) Louderman Hall, Rm. 458. 935-6530.

**4 p.m. Ophthalmology & Visual Sciences Seminar.** "Innate Immunity to Herpes Simplex Virus: Images of Subversion." David Leib, assoc. prof. of ophthalmology & visual sciences. Maternity Bldg., Rm. 725. 362-1006.

**4:15 p.m. Earth & Planetary Sciences Colloquium.** "Chlorine-36, Krypton-81, and the Ancient Waters of the Sahara." Neil C. Sturchio, prof. and head of earth & environmental sciences, U. of Ill. at Chicago. Earth & Planetary Sciences Bldg., Rm. 203. 935-5610.

**4:30 p.m. Assembly Series.** Philip D. Stahl and Jonathan S. Turner, winners of the chancellor's Faculty Achievement Awards. Whitaker Hall, Rm. 100. 935-5285.

#### Friday, Sept. 24

**9:15 a.m. Pediatric Grand Rounds.**

**"Pediatric Hereditary Hemorrhagic Telangiectasia: A Horse in Zebra's Clothing."** Andrew White, dir., pediatric residency program, asst. prof. of pediatrics. Clopton Aud., 4950 Children's Place. 454-6006.

**Noon. Cell Biology & Physiology Seminar.** "Biologically-inspired Approaches to Drug Delivery for Nerve Regeneration." Shelly E. Sakiyama-Elbert, asst. prof. of biomedical engineering, McDonnell Medical Sciences Bldg., Rm. 426. 362-6040.

#### Monday, Sept. 27

**Noon. Biology Seminar.** "Early Nervous System Evolution: An Era of Skinbrains?" Nick Holland, Scripps Inst. of Oceanography, U. of Calif., San Diego. Rebstock Hall, Rm. 322. 935-6808.

**Noon. CSNSI and Neurology Research Seminar.** "Intra-CNS Lipoprotein Metabolism: Control of CNS apoE Levels, Lipidation, and Its Effects." David M. Holtzman, Andrew B. and Gretchen P. Jones and Charlotte and Paul Hagemann Professor and Chair of Neurology, Maternity Bldg., Schwarz Aud. 362-9460.

**Noon. Molecular Biology & Pharmacology Seminar.** "Chemical Models for Cation- $\pi$  Interactions." George Gokel, prof. and director of biology program in molecular biology and pharmacology. South Bldg., Rm. 3907, Philip Needleman Library. 362-0183.

**4 p.m. Immunology Research Seminar Series.** "Novel Targets in the Pathogenesis of Systemic Autoimmunity." Stanford Peng, asst. prof. of medicine. Eric P. Newman Education Center. 362-2763.

**4 p.m. Physics Seminar.** "A Novel Approach to Promote Structural Order and Stability in Magnetic Metal Surfaces/Interfaces." C.V. Ramana, prof. of chemistry, U. of Mo.-Rolla. (3:45 p.m. coffee.) Compton Hall, Rm. 241. 935-6276.

**7 p.m. Architecture Monday Night Lecture Series.** "Found." Louise Harpman and Scott Specht, architects, Harpman/Specht Architects, New York. (6:30 p.m. reception, Givens Hall.) Steinberg Hall Aud. 935-6200.

#### Tuesday, Sept. 28

**8:30 a.m.-4:30 p.m. St. Louis STD/HIV Prevention Training Center.** "STD Update." (Continues 8:30 a.m.-4:30 p.m. Sept. 29, 30 & Oct. 1.) Cost: \$45. Becker Medical Library, Rm. 601A. 747-1522.

**Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series.** "Frontiers in Molecular Biology — The Surprising Biology of Short RNAs." Phillip A. Sharp, Institute Professor of the Department of Biology and dir., McGovern Inst. for Brain Research, MIT. Cori Aud., 4565 McKinley Ave. 362-3692.

#### Wednesday, Sept. 29

**8 a.m.-1 p.m. Health Administration Program Lecture.** Frank R. Bradley Executive Lecture Series. "Health Care in America: Keeping Quality Health Care Affordable and Accessible." Scott Serota, president and CEO, Blue Cross Blue Shield Assoc., keynote speaker. Cost: \$35. Eric P. Newman Education Center. To register: 362-4277.

**11 a.m. Assembly Series.** School of Law Lecture. "John Ashcroft's Paradigm of Prevention and the Future of Civil Liberties." David Cole, prof. of law, Georgetown U. Co-sponsored by the School of Law "Access to Justice" Public Interest Law Speakers Series. Anheuser-Busch Hall, Rm. 310. 935-5285.

**12:30 p.m. Academic Women's Network Brown Bag Lunch Seminar.** "They Never Seem to Hear Me: Gendered Communication in the Academy." Paige K. Turner, dept. of communications, Saint Louis U. Cori Aud., 4565 McKinley Ave. 362-6040.

**7 p.m. Architecture Monday Night Lecture Series.** "Modern Architecture in St. Louis." Eric Mumford, assoc. prof. of architecture. (6:30 p.m. reception, Givens Hall.) Steinberg Hall Aud. 935-6200.

#### Thursday, Sept. 30

**7:55 a.m.-8 p.m. Siteman Cancer Center CME Course.** "Advances in the Biology, Diagnosis and Treatment of Solid Tumor and Hematologic Malignancies." (Continues 7:30 a.m.-3:30 p.m. Oct. 1.) Cost: \$200 for physicians, \$80 for allied health professionals. Missouri History Museum in Forest Park. To register: 362-6891.

**Noon. Genetics Seminar Series.** "Cardiovascular Development in Zebrafish." Didier Stainier, dept. of biochemistry & biophysics, U. of Calif., San Francisco. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

**4 p.m. Ophthalmology & Visual Sciences Seminar Series.** "The Photoreceptor Nuclear Nr2e3 Promotes Rod Development by Interacting With Crx." Shihming Chen, asst. prof. of ophthalmology & visual sciences. Maternity Bldg., Rm. 725. 362-1006.

### Music

#### Saturday, Sept. 18

**7 p.m. Concert of Indian Music.** Sanjay Subrahmanyam, vocals. Cost: \$20 for nonmembers, \$10 for Sangeetha members, seniors and students. Steinberg Hall Aud. For tickets: [sangeetha.org](http://sangeetha.org). 935-4841.



# Forsyth House is newest addition to South 40

By NEIL SCHOENHERR

Slightly more than a year after Eliot Residence Hall was imploded, a new dormitory has risen in its place.

The 53,495-square-foot Forsyth House was completed this summer and opened for students this fall. It is located near the intersection of Big Bend Boulevard and Shepley Drive.

"Forsyth is a great place to live," said freshman resident Nikhil Angelo. "It doesn't even feel as if you were living in a dorm. All the residents and the RAs (resident assistants) are so open and friendly."

"I could not imagine living anywhere else on campus."

On the first-floor, the state-of-the-art building features a large common room with a fireplace and adjoining library, a full-service kitchen for catering and special events, a computer lab, a multipurpose room for large work projects and a soundproof music practice room.

Each floor has its own common room for meetings and social gatherings, as well as a small kitchenette. There also are two study rooms per floor, ideal for individual or group work.

The building houses 169 freshmen and seven resident assistants. Along with Nemerov House, it is part of the Wayman Crow Residential College.

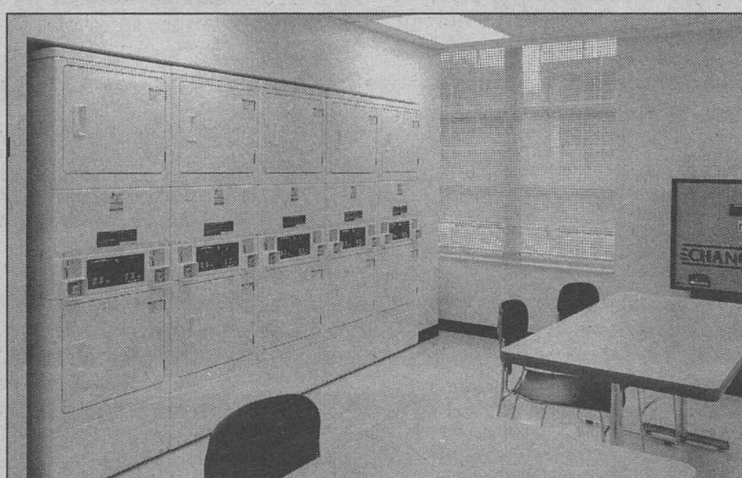
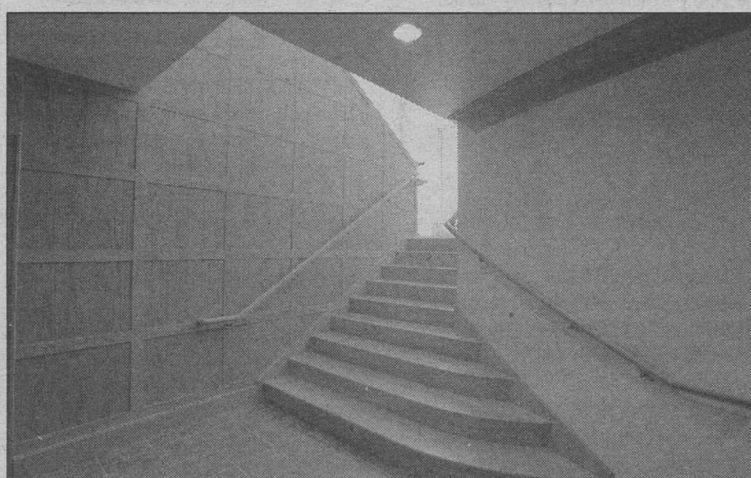
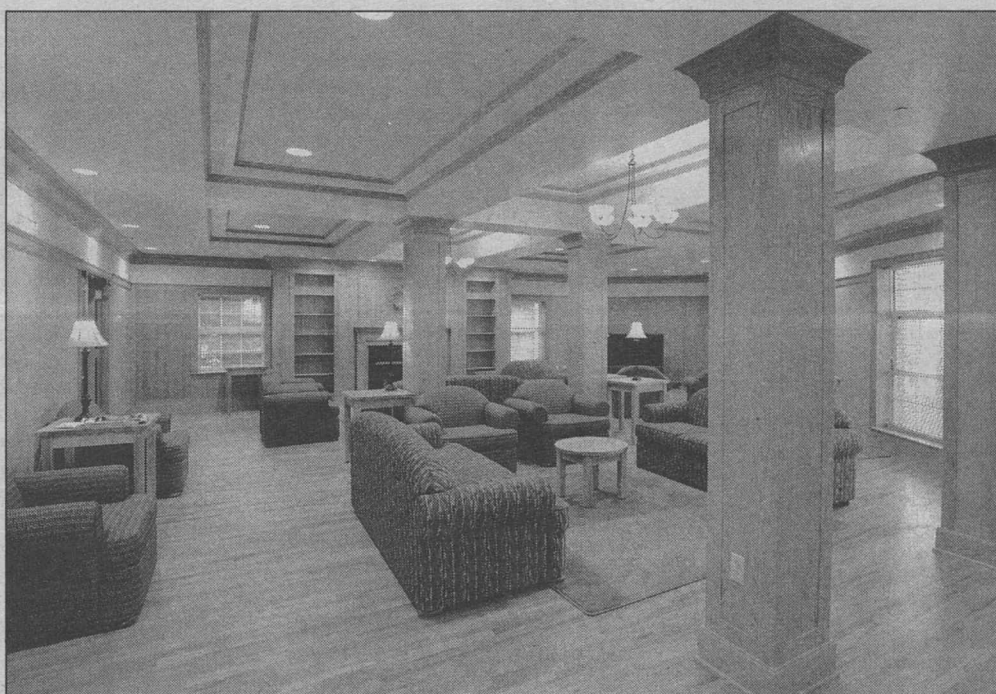
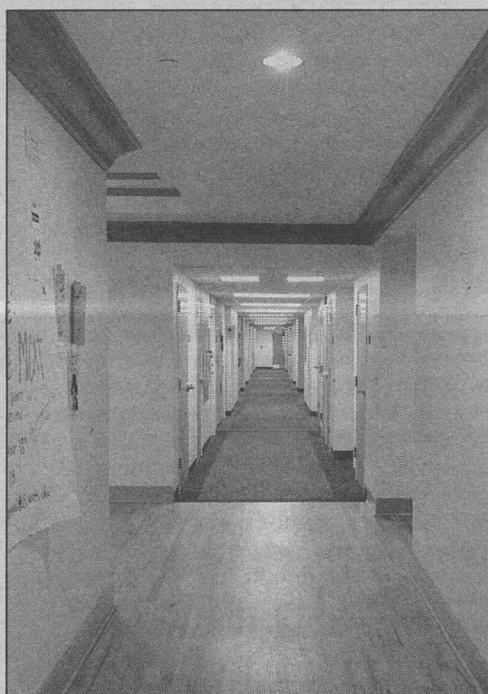
"Forsyth House is part of our ongoing effort to improve housing for our undergraduates," said Justin X. Carroll, assistant vice chancellor for students and dean of students. "This beautiful new facility allows us to continue the development of our residential college program, thereby supporting students' personal and intellectual development."

"Our residential colleges offer students easy access to academic support services and more-frequent contact with our wonderful faculty through the Faculty Fellows and Faculty Associates programs."

There are currently nine residential colleges in the South 40, each housing approximately 300 students and comprising two or three separate residence halls that form a single community.



The 53,495-square-foot Forsyth House opened its doors to 169 freshmen and seven resident assistants this semester.



The new residence hall features numerous amenities, including (counterclockwise, from above) a large common room with fireplace; two study rooms, a small kitchenette and a common room on each residential floor; rounded staircases; and in-house laundry facilities.

DAVID KILPER PHOTOS

## Thursday, Sept. 23

8 p.m. **Jazz at Holmes.** Steve Schenkel, guitar, and his group. Ridgley Hall, Holmes Lounge. 935-4841.

## On Stage

### Friday, Sept. 17

8 p.m. **St. Louis Black Repertory Company Presentation.** *Tell Me Somethin' Good.* Ron Himes, dir. (Also 8 p.m. Sept. 18 and 2 p.m. Sept. 19.) Cost: \$15-30. Special pricing available. Edison Theatre. For tickets: 534-3810.

## Worship

### Saturday, Sept. 25

10 a.m. **Yom Kippur Explanatory Service.**

Rabbi Hershey Novack, officiant. Sponsored by Chabad on Campus. Bais Abraham, 6910 Delmar Blvd. Reservations suggested: 721-2884.

## Sports

### Friday, Sept. 17

5 p.m. **Women's Soccer vs. Aurora U.** Francis Field. 935-4705.

7:30 p.m. **Volleyball vs. Juniata College.** Washington University Teri Clemens Invitational. Athletic Complex. 935-4705.

### Saturday, Sept. 18

9:30 a.m. **Volleyball vs. Trinity U.** Washington University Teri Clemens Invitational. Athletic Complex. 935-4705.

5 p.m. **Volleyball vs. Wittenburg U.** Washington University Teri Clemens Invitational. Athletic Complex. 935-4705.

## Sunday, Sept. 26

1 p.m. **Men's Soccer vs. Millikin U.** Francis Field. 935-4705.

3 p.m. **Women's Soccer vs. Millikin U.** Francis Field. 935-4705.

## And more...

### Friday, Sept. 17

7 p.m.-1 a.m. **Tango, Swing and Salsa Dance Workshop.** Umrath Hall Lounge. 935-6098.

### Saturday, Sept. 18

Noon, 2 & 3:30 p.m. **Dance Class.** St. Louis Close-Embrace Tango, Tom Stermitz, instructor. (Also noon, 2 & 3:30 p.m. Sept. 19.) Cost: \$20 per class. Mudd Hall Multipurpose Room. 935-6098.

## Monday, Sept. 20

3:30 p.m. **Career Center Event.** Resume & Cover Letter Writing. Umrath Hall, Rm. 157, The Career Center. 935-5930.

4:30 p.m. **Student Union Educate Yourself: 2004 Panel Discussion.** "Civil Rights." Rebstock Hall, Rm. 215. 935-7878.

## Tuesday, Sept. 21

5:15 p.m. **Career Center Event.** Student Advisory Board Meeting. Umrath Hall, Rm. 157, The Career Center. 935-5930.

## Wednesday, Sept. 22

3 p.m. **Career Center Event.** Job Search Strategies. Umrath Hall, Rm. 157, The Career Center. 935-5930.

4:30 p.m. **Career Center Event.** "Career Planning II: Where Do I Begin?" Umrath Hall, Rm. 157, The Career Center. 935-5930.

## Thursday, Sept. 23

4 p.m. **Career Center Event.** Interviewing Skills 101. Umrath Hall, Rm. 157, The Career Center. 935-5930.

## Monday, Sept. 27

4:30 p.m. **Student Union Educate Yourself: 2004 Panel Discussion.** "Labor Relations." Rebstock Hall, Rm. 215. 935-7878.

## Wednesday, Sept. 29

4 p.m. **Career Center Event.** "How to Find a Transitional Program." Umrath Hall, Rm. 157, The Career Center. 935-5930.

## Thursday, Sept. 30

4 p.m. **Dance Program Lecture/Demonstration.** *Gus Solomons Jr. Tells All.* Gus Solomons Jr., dancer/choreographer. Mallinckrodt Student Center, Annelise Mertz Dance Studio. 935-5858.



# Founders

**Green is active in many local, national groups**  
— from Page 1

expansion of *BusinessWeek's* network of news bureaus and correspondents in Asia.

In 1999, she was promoted to her current position as assistant managing editor, where she directs the editors and reporters who cover economics and finance, investing and personal business.

With five Overseas Press Club awards to her credit, including three as part of *BusinessWeek's* Asia team, Barnathan's reporting has contributed greatly to the world's understanding of Asia.

## Thomas R. Green

Upon receiving a degree in accounting from the University of Illinois, Green entered Washington University's School of Law, where he earned a juris doctoris in 1955. After graduating, he became an assistant county counselor for St. Louis County, working on property and real-estate matters while maintaining a private practice.

During the 1960s and '70s real estate boom in St. Louis, he began investing in real-estate developments and soon opened an office. He owns many developments in the metropolitan area and about 25 shopping centers here and throughout the country.

In addition to real-estate investments, Green is founder and director of Royal Bancshares and is founder and president of National States Insurance Co.

An active participant in a number of local and national Jewish organizations, Green has been associated with or has held leadership positions in the Jewish Federation of St. Louis, the Council of Jewish Federations, the United Jewish Appeal and Jewish Agency.

He is on the boards of the United Jewish Appeal and the Jerusalem Foundation. In addition, he served as chairman of the committee to build the Holocaust Museum of St. Louis and served as the museum's first chairman.

As an alumnus, Green remains involved in leadership activities for the School of Law. He helped guide the Building for a New Century campaign and chaired the Kresge challenge campaign that secured funding for Anheuser-Busch Hall.

Furthermore, he serves on the

school's national council and the William Greenleaf Eliot Society membership committee. Green received a Distinguished Alumni Award from the law school in 1995.

During the Campaign for Washington University, the he and his wife established the Thomas and Karole Green Professorship in the School of Law.

## Alphonso Jackson

Since graduating from the School of Law in 1973, Jackson has forged a distinguished career in both the private and public sectors.

A native of Texas, he stayed in St. Louis after graduation and took a job in academia. He became director of the Department of Public Safety for the city of St. Louis in 1977 and also served as deputy and interim executive director for the Housing Authority of St. Louis before joining the accounting firm of Laventhol and Horwarth as director of consultant services.

He left St. Louis for Washington, D.C., in 1987 to assume the directorship of the Department of Public and Assisted Housing, as well as chair of the District of Columbia's Redevelopment Land Agency. Shortly thereafter, Jackson was appointed president and chief executive office of the housing authority for the city of Dallas, where under his leadership it was ranked as one of the best-managed large city housing agencies in the country.

He returned to the private sector as an executive with an energy company in Texas, but then joined the Bush administration in 2001 as Housing and Urban Development (HUD) deputy secretary and chief operating officer. He was sworn in as HUD's 13th secretary in April 2004.

Throughout his career, Jackson has shared his expertise with many national and state commissions, and has served on several nonprofit boards and organizations, including the Dallas Citizen's Council, Dallas Children's Medical Center and the Nature Conservancy of Texas.

He has received the Chairman's Award for Service to Boys & Girls Clubs of America, as well as honorary doctors of humane letters from several colleges and universities.

## William J. Marshall

After earning bachelor's, master's and doctoral degrees from the University, Marshall joined the Olin School of Business as professor of finance. During his tenure in

academe, he helped pioneer research on structured fixed-income products, particularly the concepts of immunization and dedication strategies for managed portfolios, together with Yawitz, his colleague.

In 1985, he and Yawitz left the University for Goldman Sachs & Co. in New York, where they built Goldman's Financial Strategies Group, a team of leading economic, mathematical and statistical researchers. Marshall then became chief executive officer of Franklin Savings Association in Philadelphia.

In 1991, he joined Yawitz at National Investment Services of America, an institutional asset manager. A few years later, they purchased the majority of the assets of the company, naming the new entity NISA Investment Advisors, where Marshall serves as president and manages more than \$25 billion in assets for 62 clients.

In addition to serving as an adjunct professor at the Olin School, as well as a fellow in the Weidenbaum Center on the Economy, Government, and Public Policy in Arts & Sciences, and the Center for Political Economy, Marshall continues to lecture and publish.

An active alumnus of the Olin School, he has helped judge the students' annual Olin Cup Competition and is the co-founder of Investments Praxis, which offers hands-on investment learning experience. He also serves on the business school's national council and is a lifetime member of the Eliot Society. In 1997, he received the Dean's Medal from the Olin School.

## William T. Shearer

After earning a medical degree from the University in 1970, Shearer completed his clinical training in pediatrics and allergy and immunology at St. Louis Children's Hospital and Barnes Hospital.

He joined the faculty in 1974, and since then his basic research has focused on immunoglobulin gene activation in HIV infection. His clinical research involves directing the Pediatric HIV/AIDS Research Center at Baylor College of Medicine and Texas Children's Hospital, where he teaches and practices medicine.

Shearer also directs the Pediatric AIDS Clinical Trials Group, an 18-center national research group devoted to the study of

antiretroviral and immune-based therapies in HIV-infected children. In addition, he directs a research team working with the NASA's National Space Biomedical Research Institute, to determine long-term effects of space travel on the human immune system.

Active in professional organizations, Shearer serves as director and chair of the American Board of Allergy and Immunology; director of the American Academy of Allergy, Asthma and Immunology; and chair of the academy's Clinical and Laboratory Immunology Committee.

An active alumnus, he is past chair of the School of Medicine's Eliot Society Membership Committee and Alumni Board. For eight years, he has provided leadership for the Houston Regional Cabinet and has chaired the Houston Regional Campaign Committee.

Shearer also serves on Houston's Eliot Society Members Committee. He received the School of Medicine's Alumni Achievement Award in 2000 and the Houston Regional Cabinet Award in 2003.

## Jerome J. Sincoff

Sincoff graduated from the School of Architecture in 1956, and except for a three-year tour of duty with the U.S. Army's Air Defense Command, he has practiced architecture with Hellmuth, Obata + Kassabaum Inc. (HOK).

The native St. Louisan began his career with HOK when it was still a small local firm. When Sincoff retired in 2001 as president and chief executive officer, it was the largest architectural design firm in the world.

Besides presiding over the firm's significant expansion, Sincoff's architectural contributions have made a major mark on the St. Louis landscape.

His projects include One Bell Corporate Center, the Nestle Purina headquarters, an Edward Jones building and the preservation of Union Station. He has left his mark on many American cities, including the nation's capital, where he designed the National Air and Space Museum.

Among his highest honors is being designated a fellow of the American Institute of Architects. He also was the first architect elected chairman of the Construction Industry Roundtable, served on the Research Council of the National Academy of Sciences and is a member of the

National Building Research Board.

Sincoff has served his alma mater as the Ethan A.H. Shepley Trustee on the Board of Trustees and as past chair of the Alumni Board of Governors. In addition, he chaired the School of Architecture's national council and co-chaired the Sam Fox Arts Center capital campaign.

He has received architecture's Distinguished Alumni Award and Dean's Medal. The Sincoffs are Life Members of the Eliot Society, and they have provided a fund to support the Jerome J. and Suzanne M. Sincoff Endowed Scholarship.

## Jess Yawitz

Yawitz studied and taught at the University for more than two decades. He earned bachelor's (1968), master's (1969) and doctoral (1972) degrees, all in economics in Arts & Sciences.

In 1971, he became assistant professor of business economics and finance in the Olin School and was promoted to professor eight years later. In 1981, he became the school's first John E. Simon Professor of Finance.

Together with Marshall, Yawitz pioneered research on structured fixed income products, particularly concepts used to manage risk of pension liabilities. He founded and became the first director of the Olin School's Institute of Banking and Financial Markets.

Leaving academia in 1985, he and Marshall created a Financial Strategies Group for Goldman Sachs & Co. Having purchased with Marshall the majority of the assets of the company and named it NISA Investment Advisors, Yawitz serves as chairman and chief executive officer.

In addition to his academic accomplishments at the University, Yawitz holds the career victories record for varsity wrestling.

He is a lifetime member of the Eliot Society, supports the University's athletics program and has been a longtime member of the Endowment Committee.

In 1983, he received the University's Distinguished Faculty Award.

**(Editor's note:** The next issue of the *Record* will feature the Distinguished Faculty and the Robert S. Brookings awardees.)

# Teachers

**'You have to get into deeper cognitive issues'**  
— from Page 1

Florissant, Maplewood-Richmond Heights, Riverview Gardens, University City and Webster Groves, that means summers are spent preparing for the coming school year.

In summer 2004, 53 partner district teachers attended graduate courses at the University, and another 92 teachers participated in curriculum-planning sessions and enrichment activities.

Jere Confrey, Ph.D., professor

of math education in Arts & Sciences, taught a graduate course for elementary teachers on not only rational number operations, but also on methods teachers can use to help children understand them.

Confrey and the teachers found that their experiences in teaching division were similar. Children are most easily able to divide by two, then by four and eight, then by 10 and five, then by three, six and nine. The hardest factor for children to learn is seven.

Instead of introducing factors in numerical order, Confrey suggested teaching them in the order of difficulty. She also suggested looking around the school environment for equal groups, like

windowpanes, that will help children visualize multiplication and division.

"Rational number is probably the most critical concept for children to learn if they're going to succeed in advanced math," Confrey said. "We're trying to provide a foundation for kids, and we're going beyond what's required by testing."

"To get kids to understand math, you have to get into deeper cognitive issues."

St. Louis MSP teachers also had the opportunity to take a graduate course in science instruction and assessment. Kathy DiRanna, K-12 alliance director for WestEd, leads the professional development objective of the

Center for the Assessment and Evaluation of Student Learning. She and her colleagues helped teach the course.

WestEd is a nonprofit research, development and service agency that works with education and other communities to promote excellence. It is headquartered in San Francisco with 17 offices nationwide, mostly in California.

"Assessment is a vital part of the teaching and learning cycle, and it's an important tool teachers can use to monitor student progress," DiRanna said. "Like good teaching practices, good assessment is grounded in standards and in the research about how students learn."

Terri Thomas, an eighth-grade science teacher at Brittany Woods Middle School in University City, took the science assessment course with two of her colleagues.

"Our group picked force and energy to focus on," Thomas said. "We found our kids typically don't do well in it. We thought a different, more organized approach might be better."

As a school partner in the St. Louis MSP, Brittany Woods will receive kits and materials that Thomas and her colleagues can use to help students develop an understanding of the concepts.

They will continue to meet as a group with MSP personnel throughout the year.

"I'm excited about being able to chart kids' progress," Thomas said.

The course also helped teachers understand how assessment is more than giving tests.

"We even looked at a class activity as an assessment," Thomas said. "Good assessment involves a lot of observing, keeping an accurate record of who's done what, rather than just putting a grade in a grade book. Assessment can be telling you where to go."

As the school year goes on, St. Louis MSP personnel will stay in contact with teachers, making classroom visits, conducting follow-up sessions and delivering materials.

"We're helping teachers throughout the year," said Victoria May, director of science outreach.

"Teachers might tell us that they don't feel comfortable teaching a certain subject, and we match up experts who can help them gain the content knowledge. Or they say they don't have the materials they need to give their kids hands-on experiences, and we can provide science kits that the teachers select to match their curriculum."

It's all part of keeping science and math education — and teachers and students — on the same page.

# Grant

**Institute limited to about 30 applicants**  
— from Page 1

political, technical and aesthetic perspectives. Participants will have numerous opportunities to attend live jazz concerts.

The NEH Summer Seminars and Institutes for School Teachers are designed to present the best

available scholarship on important humanities issues and works taught in the nation's schools. Participating teachers compare and synthesize perspectives offered by faculty, making connections between the institute content and classroom applications, with the aim of developing improved teaching materials for their classrooms.

Registration — limited to about 30 applicants — is open to high-school teachers from a variety of disciplines, including

English, history, social studies, art and music; and to qualified non-teachers, such as high-school librarians, media specialists and museum staff. Further details will be announced in a forthcoming brochure with additional updates posted in future issues of *The Center for the Humanities' publications Belles Lettres and The Figure in the Carpet*, both available online at [cenhum.artsci.wustl.edu](http://cenhum.artsci.wustl.edu).

For more information, call 935-5576.



## Notables

### Of note

**Robert A. Pollak**, Ph.D., the Robert E. Hernreich Distinguished Professor of Economics in Arts & Sciences, has received a three-year, \$863,435 grant from the National Institute on Aging for research titled "Long-Term Care and Intergenerational Resource Allocation." ...

**Bradley Stoner**, M.D., Ph.D., associate professor of medicine, has received a one-year, \$122,781 grant from the Association of American Medical Colleges and the Centers for Disease Control for research titled "Self-Collected Vaginal Swabs as a Test for Chlamydia." ...

**Thomas W. Ferkol**, M.D., associate professor of pediatrics, and **Daniel B. Rosenbluth**, M.D., associate professor of medicine, have received a one-year, \$108,000 grant from the Cystic Fibrosis Foundation Therapeutics Inc. for a Therapeutics Development Center. ...

**Raymond Miller**, Ph.D., research assistant professor of medicine, has received a one-year, \$100,000 grant from the Urological Research Foundation for research titled "Identification of a Gene for Aggressive Prostate Cancer by Haplotype Mapping." ...

**Randall S. Jotte**, M.D., associate professor of emergency medicine, has received a one-year, \$100,000 grant from the Missouri Foundation for Health for research titled "Safe & Secure — A Car Seat/Booster Seat Distribution Program." ...

**Haengseok Song**, Ph.D., postdoctoral fellow of pathology and immunology, has received a two-year, \$98,000 grant from the U.S. Army Medical Research ACQ Activity for research titled "The Role of Nkx3.1 in Prostate Tumor Initiation." ...

**Michael A. Harris**, Ph.D., has received a one-year, \$99,898 grant from the American Diabetes As-

sociation for research titled "Home-Based vs. Office-Based Family Therapy for Adolescents With Poorly Controlled Diabetes." ...

**Sandeep Tripathy**, M.D., Ph.D., postdoctoral trainee of gastroenterology, has received a two-year, \$80,000 grant from the American Gastroenterology Association and its Foundation for Digestive Health and Nutrition for research titled "Role of m157, a Ligand for Ly49H Activating Receptor, on the Activation of Hepatic NK Cells." ...

**Bing Han**, M.D., Ph.D., postdoctoral fellow of hematology, has received a two-year, \$81,000 grant from the American Heart Association Heartland Affiliate for research titled "The Prothrombotic Condition Caused by Endothelial Cells that are Deficient in GPI-Anchor Proteins." ...

**Gruia Roman**, Ph.D., chair and professor of computer science, has received a three-year, \$900,000 grant from the University of Illinois for research titled "A Logical Framework for Adaptive System Interoperability." ...

**David L. Browman**, Ph.D., professor of anthropology in Arts & Sciences, has received a two-year, \$6,902 grant from the National Science Foundation for "Doctoral Dissertation Improvement Grant: Agricultural Intensification and the Emergence of Complex Societies on the Taraco Peninsula, Bolivia." ...

**Brian K. Weaver**, Ph.D., research associate of pathology and immunology, has received a one-year, \$62,800 grant from the Crohn's and Colitis Foundation of America for research titled "Elucidating the Anti-Inflammatory Functions of a Novel IL-10 Induced Gene." ...

**Kenneth Schechtman**, Ph.D., associate professor of biostatistics, has received a one-year, \$54,197 grant from Saint Louis University for research titled "Centers of Excellence in Cancer Communications Research-Core C." ...

**Anne Connolly**, M.D., assistant professor of neurology, has re-

ceived a one-year, \$53,359 grant from the University of Texas Southwestern Medical Center at Dallas and the National Institutes of Health for research titled "Clinical Trials for Pediatric Spinal Muscular Atrophy." ...

**Joseph Borrelli**, M.D., assistant professor of orthopaedic surgery, has received a one-year, \$43,250 grant from the AO Research Fund for research titled "In Vivo Cartilage Changes After Mechanical Injury." ...

**Consuelo Wilkins**, M.D., assistant professor of medicine, has received a one-year, \$30,600 grant from the National Institutes of Health and the University of Michigan for a project titled "Michigan Center for Urban African-American Aging." ...

**Keith Baumgarten**, M.D., resident in orthopedic surgery, has received a one-year, \$14,000 grant from NFL Charities for research titled "Mechanical Properties of Arthroscopic Knots." ...

**Edwin Fisher**, Ph.D., research professor of medicine, has received a one-year, \$11,452 grant from Saint Louis University and the National Cancer Institute for research titled "Centers of Excellence in Cancer Communications Research-Core A." ...

**J. William Harbour**, M.D., associate professor of ophthalmology and visual sciences, has received a one-year, \$10,000 grant from the Macula Society Research and Education Committee for research titled "Molecular Prognostic Assay for Uveal Melanoma." ...

**Diane Damiano**, Ph.D., research associate professor of neurology, has received a one-year, \$9,648 grant from the University of Virginia, and the National Institutes of Health for research titled "Enhancing Rehabilitation Research in the South." ...

**Gayle J. Fritz**, Ph.D., associate professor of anthropology in Arts & Sciences, has received a two-year, \$8,605 grant from the National Science Foundation for "Dissertation Improvement: A

Paleoethnobotanical Study of a Classic Hohokam Site." ...

**Sophia Hayes**, Ph.D., assistant professor of chemistry in Arts & Sciences, has received a one-year, \$180,369 grant from the Department of the Army for research titled "Design and Construction of an Apparatus for Combined Optically-Polarized and Optically-Detected NMR to Study Simonductor." ...

**Kenneth Kelton**, Ph.D., professor of physics in Arts & Sciences, has received a four-year, \$1,251,846 grant from NASA for research titled "Studies of Nucleation and Growth, Specific Heat, and Viscosity of Undercooled Melts of Quasicrystals and Polytetrahedral-Phase-Forming-Alloys." ...

**David Pollio**, Ph.D., associate

professor of social work, has received a two-year, \$15,000 grant from the Grace Hill Settlement House for "TOP Grant — MORE for Head Start." ...

**Brent Miller**, M.D., assistant professor of medicine, has received a one-year, \$9,514 grant from Wake Forest University and the National Institute of Diabetes and Digestive and Kidney Diseases for research titled "Frequent Hemodialysis Clinical Trials: Nocturnal." ...

**Michael Peelle**, M.D., orthopaedic surgery resident, has received a one-year, \$3,250 grant from AO North America for research titled "Prospective Classification of Acetabular Fractures Using Images Rendered from Standard Computerized Tomography."

## Campus Watch

The following incidents were reported to University Police **Sept. 9-14**. 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](http://police.wustl.edu).

### Sept. 10

10:27 p.m. — A student reported that an unknown person threw an ear of corn at her window, on the southeast corner of Hurd Residence Hall, resulting in the breaking of the window.

### Sept. 13

3:16 p.m. — A University College employee had a \$50 bill stolen from her wallet while she was away from her desk. An investigation is continuing.

11:09 p.m. — A student reported that he left his wallet on the floor of his room in Liggett Residence Hall while he took a nap between 3:30-4:45 p.m., and left the door to the suite open. When he

awoke, he discovered that an unknown person had taken between \$140-160 from his wallet. An investigation is continuing.

### Sept. 14

10:24 a.m. — A person reported that an unknown person stole money from two cash boxes located in a desk drawer in Blewett Hall. \$80 was taken between Sept. 8-10, and \$20 was taken between Sept. 10-14. An investigation is continuing.

*Additionally, University Police responded to three auto accidents, two reports of property damage and one report each of judicial violation, lost article, larceny, liquor violation and medical injury.*

## Campus Authors

Mark A. McDaniel, Ph.D., professor of psychology in Arts & Sciences

### Memory Fitness: A Guide for Successful Aging

(Yale University Press, 2004)

A book co-authored by a University memory researcher is one-stop shopping for all the questions we have about memory, and how serious our lapses might be as we grow older.

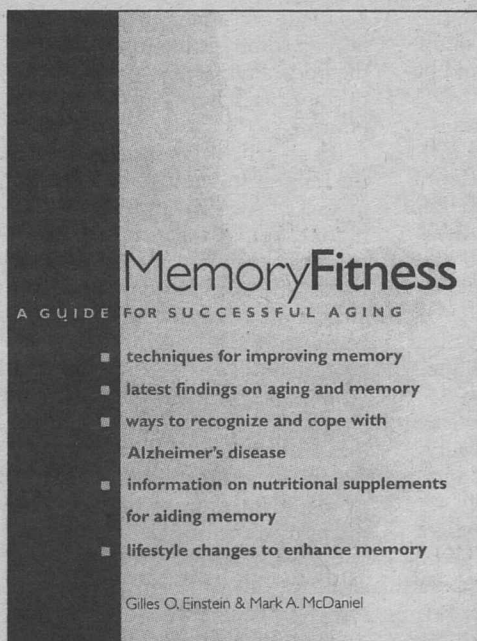
Mark A. McDaniel, Ph.D., professor of psychology in Arts & Sciences, said his book *Memory Fitness: A Guide for Successful Aging* relies on many rigorous academic studies but is written for the layperson.

"Our mission is to give the general public a good idea of what they can reasonably expect from their memory capabilities as they age," said McDaniel about the book he co-authored with Gilles O. Einstein, professor and chair of the psychology department at Furman University. "It also outlines some reasonable expectations about things people can do to perhaps increase their memory performances."

"As we age, almost every part of neuron function you can think of starts to deteriorate a bit."

The authors offer strategies to stay sharp, despite those normal losses in memory function that come with age. Some of these are surprisingly simple.

"Take courses, teach some-



body something, discuss movies or books, do anything that makes you struggle and problem-solve through significant cognitive effort," McDaniel said. "There are studies that show an association between challenging daily mental activity and memory maintenance as well as less dramatic loss of memory function."

Unfortunately, not all memory lapses that come with age are standard. McDaniel noted that an important aspect of *Memory*

*Fitness* is to help people know what's normal and what isn't.

"Many people are increasingly concerned about Alzheimer's," McDaniel said. "We try to address this. We present information about what normally occurs with aging in terms of memory loss, and we have a long chapter on what occurs when you have Alzheimer's, and what kind of memory loss you have there."

"We give people the actual questions physicians use to try to determine whether someone has a real problem or not."

People can go through them — however, they shouldn't self-diagnose — but they can get a feeling for where they stand, based on their performance relative to normal adults."

The book includes practical advice to aid in day-to-day memory tasks, such as remembering a person's name, a new telephone number, where you put something or even how to operate your VCR.

— Doug Main

## Study

Computer technology aids data management — from Page 1

Province and other members participating in the project have had extensive experience with multicenter health studies and have developed innovative statistical tools that can now be applied to identify both the genetic and the nongenetic causes of extreme longevity.

"There are a whole slew of things that we have been playing with and testing to see how well they work on very complex data," Province said. "And they can be very powerful, especially for the analysis of clusters of interacting

causes and complex pathways."

In addition, with recent developments in computer technology, the DMCC will be able to perform statistical analyses that previously would not have been possible.

Ingrid B. Borecki, Ph.D., associate professor of biostatistics in the School of Medicine, will co-direct the DMCC project, assisted by the school's J. Philip Miller and a team from the Division of Biostatistics.

The study center leaders will be Richard Mayeux, M.D., at Columbia University; Anne Newman, M.D., at the University of Pittsburgh; Thomas Perls, M.D., at Boston University; and James Vaupel, Ph.D., at the Max Planck Institute for Demographic Research in Germany.

## Record

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[leydigk@wustl.edu](mailto:leydigk@wustl.edu)

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Washington University in St. Louis



## Washington People

**A**s a bioethics expert, Rebecca S. Dresser, J.D., the Daniel Noyes Kirby Professor of Law and professor of ethics in medicine, asks a lot of questions.

Questions such as: Is it ethical to destroy a human embryo in order to make its stem cells available for research? Is killing a human embryo like killing a human child or adult? If embryos aren't the same as persons, does this mean we should regard them as having the status of property?

Whose responsibility is it to oversee the safety and ethical concerns of new biotechnologies? Are we obligated to enable every human to live a long and healthy life? What is the ethical and moral approach to end-of-life directives?

Dresser not only ponders these questions, but she also helps both law and medical students ponder the complex and emotionally fraught issues that arise with each new medical advance. There may be no easy answers, but it is critical that the questions be asked nonetheless.

But while Dresser is happy pondering the answers to these



Rebecca S. Dresser, J.D. (left), meets with law students Carla Escobar and Mike Heaney to discuss ethical issues in medicine. "Despite her exceptional wisdom and experience, she is gentle in her approach, preferring to offer her insights ... as suggestions and opinions rather than dogma," says Philip Ludbrook, M.D., professor of medicine and of radiology.

# Tackling tough issues

## Rebecca S. Dresser questions the ethical concerns of medicine

By DEB ARONSON

kinds of complicated questions, the very modest Indiana native does not like to talk about herself.

"I'm not interesting enough to write about," she protests.

But her colleagues line up to praise Dresser.

For example, Philip Ludbrook, M.D., professor of medicine and of radiology and associate dean and chair of the Washington University Human Studies Committee, says, "In her work on the committee, Rebecca brings all of her legal, ethical and medical insights to bear on issues at the interface between law, medicine and ethics.

"Despite her exceptional wisdom and experience, she is gentle in her approach, preferring to offer her insights, albeit usually persuasive and convincing, as suggestions and opinions rather than dogma. She is the ultimate committee member. She articulates her thoughts clearly and succinctly, then allows the discussion to continue and a vote to be taken.

"The Human Studies Committee is extremely fortunate to have Rebecca as a member, and is proud of her national reputation and visibility in the medical research ethics community. She is both a respected authority at the national level and a willing contributor locally."

And Thomas Murray, president of the Hastings Center, an independent, nonpartisan, and nonprofit bioethics research center founded in 1969, says of Dresser, "Rebecca is not only a very good lawyer and legal scholar, but she is also very knowledgeable about clinical medicine and science and is very sophisticated on the philosophical level. These three skills inform her scholarship in a way much more creative and valuable than most."

Dresser earned a bachelor's degree in psychology and sociology and a master's in education, both from Indiana University. Attending Harvard Law School, Dresser intended to

pursue the intersection of law and psychology, though she never planned on being a law professor.

"I always was interested in school and I did well," Dresser says. "My family was very supportive, though no one is an academic. The amazing thing is, I engaged in very little career planning, and I ended up doing something I love."

Dresser became interested in bioethics before there really was much of a field. Having spent time as a postdoctoral fellow in the psychiatry department at the Univer-

**"Rebecca is not only a very good lawyer and legal scholar, but she is also very knowledgeable about clinical medicine and science and is very sophisticated on the philosophical level."**

THOMAS MURRAY

sity of Wisconsin (on a National Institutes of Mental Health training grant), Dresser gained a familiarity with bench scientists and basic research.

One point she often makes is that the general public needs to better understand that the scientific progress, particularly as it relates to medicine, is slow and painstaking. The basic science behind possible cures is complex and the research is time-consuming.

Not understanding this, patient advocates and the media are often guilty of announcing a breakthrough therapy years before it is, in fact, applicable to human subjects and creating false hope and unreasonable expectations.

But on the other hand, Dresser has also been an advocate of getting the public more informed and even involved in setting research priorities. Sometimes, research scientists get caught up solely in intellectual pursuits, or seeking funding or publishing their next paper and lose sight of the individuals affected by, say, a certain disease.

Dresser has supported the insights that patient advocates bring to the table. In this way, she truly is a bridge between the two communities of scientists and advocates, both of which have so much to offer the other.

Dresser serves as a bridge in another way. In her extensive writings, she demystifies some of the science being done and explores

the implications of the latest scientific advances as they relate to moral and ethical issues.

For example, she received a grant from the National Institutes of Health to examine the ethics of studying germline genetic interventions in humans. This approach has never been tried in humans until now, and it involves correcting "bad" genes in either the sperm or egg before fertilization or in the zygote at a very early stage.

Researchers are more optimistic of success at this stage because the "new" gene would then be incorporated into every cell as the embryo divided.

The current gene therapy approach, called somatic cell gene therapy, involves injecting large

search, to cloning and the implications of biotechnology. The council is in the early phases of two new projects. One focuses on aging and dementia as it relates to care-giving; the other will examine neuroscience ethics.

"I'm happy about the project on aging and dementia because it is a group of issues that faces people right now," Dresser says. "It's an everyday ethics concern and certainly is only going to increase with the aging of the baby boom generation."

"One of the wonderful things about the council is we have experts who are willing to take their time to present the latest information. It's like a very high-level seminar. I've found it to be the most interesting intellectual experience I've ever had."

Dresser credits council chair Leon Kass for striving for what she calls a "richer public bioethics."

"Rather than present material that is a little bit ... boiled down, with a lot of the nuances removed, he prefers to have us talk about the whole range of considerations and really expose different views and conflicts and just get the material out there so that someone in the community who is interested and confused can read through the report and say, 'I might not agree with this position but I understand why people hold it,'" she says.

This philosophy mirrors Dresser's as well. One of her strengths is being able to clearly see two sides of an argument, to really revel in the complexities of a given issue, and still be able to clearly articulate her position.

And she has no qualms about admitting when she doesn't understand something.

"You have to be willing to ask dumb questions," she says. "I've been blessed and privileged to work with a lot of people in medicine and science who are willing to help me."

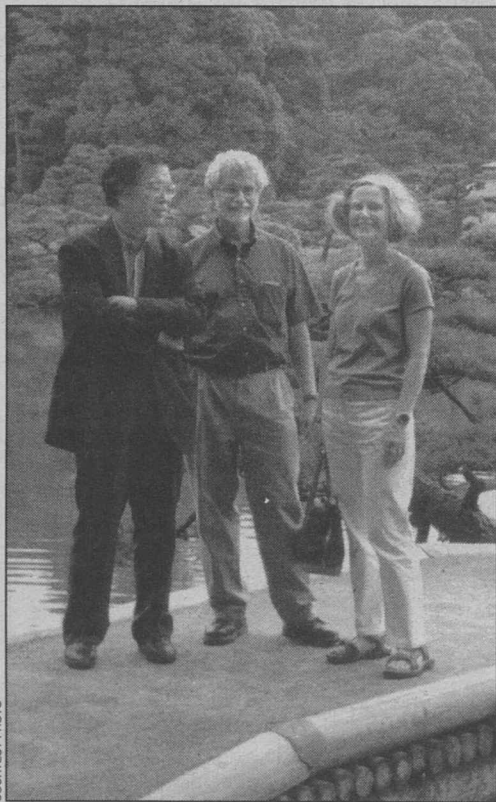
### Rebecca S. Dresser

**Titles:** Daniel Noyes Kirby Professor of Law and professor of ethics in medicine

**Education:** B.A., Indiana University, 1973; M.S., Indiana University, 1975; J.D., Harvard University, 1979

**Years at the University:** 6

**Books authored or co-authored:** *When Science Offers Salvation: Patient Advocacy and Research Ethics* (Oxford University Press, 2001); *The Human Use of Animals: Case Studies in Ethical Choice* (Oxford University Press, 1998); *Bioethics and Law: Cases, Materials and Problems* (West Publishing Co., 2003)



(From left) Norio Higuchi, professor of law at the University of Tokyo, Peter Joy, professor of law at Washington University, and Rebecca Dresser enjoy a leisurely stroll through a Japanese garden last summer.