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Record

April 5, 2007

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Washington University in St. Louis



Cod Squad Members of the Catholic Student Center's Cod Squad (from left) Chris McGee, Patty Navarro and Dan Combest are served cod at the Friday night fish fry March 30 at St. Gabriel Parish in south St. Louis. About 20-30 Cod Squad members attend a fish fry at different Catholic churches in the area each Friday during Lent, which ends on Easter, April 8.

Tumor motion a key to lung cancer treatment

By GWEN ERICSON

Advances in radiation therapy for cancer have made it possible to fine-tune radiation beams so they match the shape and position of a patient's tumor nearly anywhere in the body. But tumors that move, such as those in the lung — which can change position during each breath — are a special problem for radiation oncologists.

A School of Medicine group has studied the way lung tissues move during breathing in hopes of improving radiation as a treatment for lung cancer.

While surgical removal of a malignant tumor is the preferred way to treat lung cancer, surgery may not be feasible if medical conditions make the operation very risky or if the tumor has grown into structures that cannot be removed.

In such cases, as long as the cancer has not metastasized, radiation therapy offers a real chance for cure. Studies show that 3-D techniques that deliver high doses

of radiation in the precise shape of the tumor are more effective than older techniques.

"Ideally, the radiation should be delivered to as small an area as possible so normal tissue near the tumor isn't damaged," said Daniel Low, Ph.D., professor of radiation oncology and director of the Medical Physics Division. "But with a lung tumor, you need to irradiate a larger area if you want to encompass the tumor as it moves. One option to avoid this is to just turn on the radiation beams during a certain phase of the breathing cycle, but that assumes that patients breathe regularly and the tumor returns to the same place with each breath."

On the contrary, Low and his colleagues have found that people's breathing can be quite chaotic, so they have developed mathematical descriptions of the motions of different parts of the lung as people breathe.

Low said that people change the speed of their inhalation and exhalation as well as the volume

See **Treatment**, Page 6

'Arctic Ocean's worth of water' discovered in Earth's mantle

By TONY FITZPATRICK

A seismologist has made the first 3-D model of seismic wave damping, or diminishing, deep in the Earth's mantle and has revealed the existence of an underground water reservoir at least the volume of the Arctic Ocean.

It is the first evidence for water existing in the Earth's deep mantle.

Michael E. Wyssession, Ph.D., associate professor of earth and planetary sciences in Arts & Sciences, working with former graduate student Jesse Lawrence, analyzed 80,000 shear waves from more than 600,000 seismograms.

They found a large area in

Earth's lower mantle beneath eastern Asia where water is damping out the seismic waves from earthquakes.

Wyssession's research is described in the forthcoming monograph "Earth's Deep Water Cycle," to be published by the American Geophysical Union.

The traditional method seismologists use to image the Earth's interior is to measure the speed of seismic waves. Using wave speeds alone is a problem, however, because temperature and composition variations cannot be distinguished.

An increasingly popular method, which Wyssession

See **Mantle**, Page 6

Truman scholarships go to A&S juniors

By GERRY EVERDING AND TONY FITZPATRICK

Arts & Sciences juniors A.J. Singletary and Paul Moinester have been awarded 2007 Harry S. Truman scholarships.

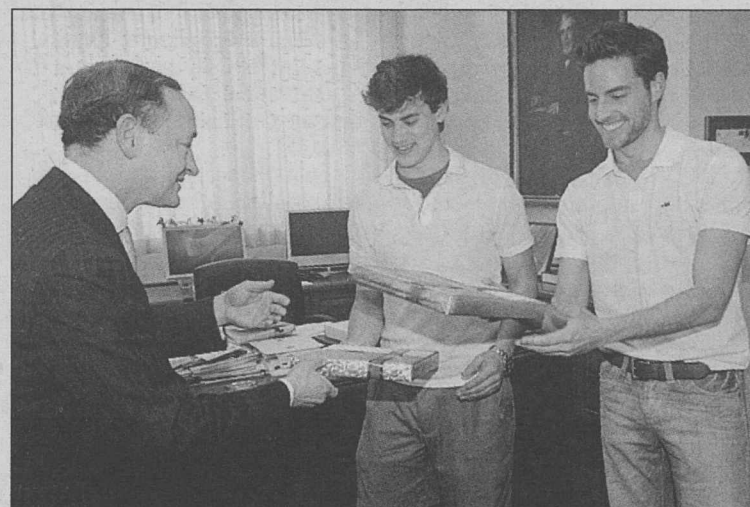
Truman Scholars are selected on the basis of leadership potential, intellectual ability and likelihood of "making a difference." The program is open to juniors interested in public service careers. Each scholarship provides \$30,000 toward two or three years of graduate study.

The 65 Scholars in the 2007 class were selected from among 585 candidates nominated by 280 colleges and universities. Washington University is one of only eight institutions to have more than one student selected for 2007; only the University of Chicago, with three scholars this year, had more.

Scholars also receive priority admission and supplemental financial aid at some premier graduate institutions, along with leadership training, career, and graduate school counseling and special internship opportunities within the federal government.

Singletary, a Danforth Scholar, is an earth and planetary sciences major, minoring in environmental studies and ballet. He helped found the Roosevelt Institution, a national public policy think tank. He also served as a volunteer and then intern at the Saint Louis Science Center, designing a "carbon footprint calculator" and leading workshop presentations.

Among his many other activities, Singletary is a resident advisor and undergraduate student representative on the Board of Trustees. He is active in Volun-



(From left) Chancellor Mark S. Wrighton made the surprise announcement to Paul Moinester and A.J. Singletary that they were named Truman Scholars and presented them with the book "Beginning a Great Work: Washington University in St. Louis 1853-2003" March 26 in the chancellor's office.

teers for Environmental Restoration, Development and Education, a service group that teaches environmental science at St. Louis public schools.

He will travel to India this summer with the University's Village India Program, teaching a course to local students and performing research on environmental concerns afflicting rural Andhra Pradesh. He plans to get a joint master's degree in public policy and environmental science and would like to operate at the interface of policy and science, specifically working on environmental problems that affect the developing world.

"I feel honored to receive the Truman scholarship," Singletary said. "I realize the diverse strengths of Truman Scholars and their capacity to make a difference in the future, and I am incredibly humbled to be included

among their ranks. I am grateful to the Washington University community for its support through the process. The opportunities provided to me here have been numerous and lasting, and I am grateful."

Moinester, a native of Memphis, Tenn., is majoring in political science and in environmental studies. As president of Student Union and speaker of the Congress of the South 40, he worked to unite the campus environmental movement, lobby the administration for large-scale environmental change and create a committee that educates students about how to live sustainably.

A former captain of the men's varsity soccer team, Moinester founded several campus environmental groups, including the Hybrid Living Sustainability Committee and the Green Council.

See **Scholars**, Page 6

Money changes everything

By JENNIE IVERSON

As April 15 rolls around, money is on most people's minds — whether delaying filing taxes or anxiously awaiting a refund. After all, as many have said: Money changes everything.

Now, psychologists have published research that supports that claim.

Studying delayed gratification and risk, researchers found that people are more willing to wait for full monetary rewards than they are consumable rewards, namely, beer, candy and soda.

The findings, published in a recent edition of Psychological Science, have far-reaching implications for many fields, including

marketing, economics and the psychology of self-control.

Leonard S. Green, Ph.D., professor of psychology in Arts & Sciences, and Joel Myerson, Ph.D., research professor of psychology, along with their graduate students, Daniel D. Holt and Sara J. Estle, studied the effect that delay of a reward has on the subjective value of that reward.

Their research looked at factors that affect the degree of self-control people exercise, both those that increase self-control and those that increase impulsive decision-making.

The researchers found that people more steeply discount delayed consumable rewards, such as soda,

See **Money**, Page 6

Eighteen academic areas ranked in Top 10

BY ANDY CLENDENNEN

Eighteen WUSTL schools, academic areas and departments at the graduate and professional level now hold Top-10 rankings in the U.S. News & World Report rankings of graduate and professional programs, released March 30.

For a complete list of these rankings, visit news-info.wustl.edu/rankings.

At the School of Medicine, several academic areas rose significantly in the rankings.

The U.S. News area of biochemistry moved up from 17th to 10th; genetics/genomics/bioinformatics from sixth to fourth; and microbiology from sixth to third. Neuroscience also improved in the rankings, with neuroscience/neurobiology at No. 9.

Karen L. O'Malley, Ph.D., director of the program in neuroscience, said: "The Washington University Program in Neuroscience has a long tradition of excellence in almost every area of brain research, from how the brain works to how it malfunctions in disease. What sets us apart is the size, breadth and interactivity of our program in which basic and clinical research merge from the bench to the bedside and back again."

"It's very gratifying to receive this recognition for our outstanding faculty and trainees," O'Malley added.

Maintaining their rankings from 2006 were the areas of cell biology (ninth); drug/alcohol abuse (10th); immunology/infectious diseases (fifth); and internal medicine (seventh). Much of the ranked research involves collaborations with Barnes-Jewish Hospital and St. Louis Children's Hospital, and several of those programs are integral to the medical school's BioMed 21 initiative, which is designed to more quickly integrate research advances into clinical practice.

In addition, the medical school maintained its fourth overall ranking among research-oriented medical schools and continues to rank No. 1 in the nation in selectivity, based on both college grade-point averages and MCAT scores.

"We continue to be very pleased and proud of our students, physicians, researchers and staff whose achievements ensure that we continue to be recognized as one of the very best medical schools in the United States," said Larry J. Shapiro, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine. "We are particularly proud of our students, who once again have achieved the highest scholastic ranking in the nation."

tic ranking in the nation."

The School of Law remained in the Top 20 for the second straight year, breaking a tie for 19th last year to claim sole possession of that spot.

Within the law school, trial advocacy moved up to No. 3 overall, after being tied for seventh last year, while clinical training maintained its No. 4 ranking from a year ago.

"I am gratified that the excellence of our Trial and Advocacy Program and its faculty, students and alumni continues to be appropriately celebrated," said Kent D. Syverud, J.D., dean of the law school and the Ethan A.H. Shepley University Professor.

Biological sciences and education in Arts & Sciences continued to rise in the rankings. After breaking into the Top 10 last year with a tie for No. 9, biological sciences moved into a tie at No. 7.

Biological sciences includes biology in Arts & Sciences, biomedical sciences in the medical school and biomedical engineering in the School of Engineering & Applied Science.

"It's nice to see us moving up these rankings, as our goal is to keep on this trajectory," said Ralph S. Quatrano, Ph.D., chair of the executive council of the Division of Biology and Biomedical Sciences, the Spencer T. Olin Professor and chair of biology. "This ranking is a reflection of the overall strength of the biological sciences across our entire campus, not just in any one department."

The University's Department of Education — ranked alongside the larger schools of education at other universities — increased five places from No. 46 to No. 41.

Overall, 44 graduate and professional academic areas at the University are ranked by U.S. News in its Top 25.

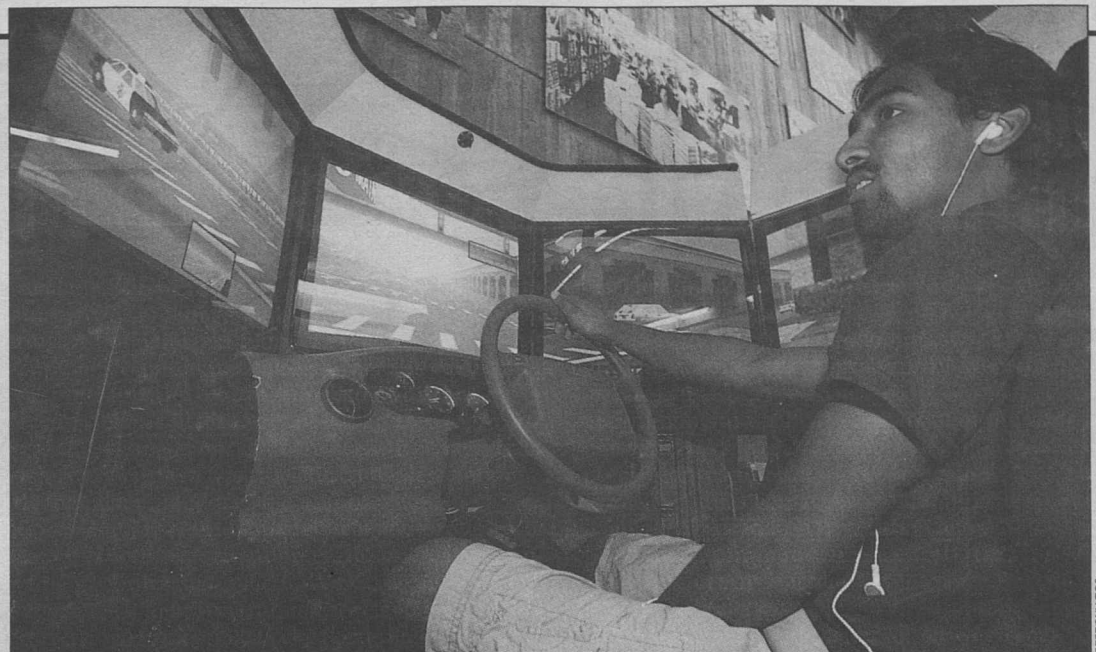
Schools, academic areas and departments not ranked for 2007 and thus holding their previous rankings include the George Warren Brown School of Social Work (No. 2), the Program in Physical Therapy (No. 2), the Program in Occupational Therapy (No. 3) and the Graduate School of Art (No. 21).

Schools, academic areas and departments either debuting or re-entering the rankings include legal writing in the law school, at 36, and ecology/evolutionary biology in Arts & Sciences at No. 11.

Many of the 2007 rankings are in the April 9 U.S. News magazine, available at newsstands now.

The newsstand book "America's Best Graduate Schools" hit newsstands April 3.

The U.S. News rankings also can be found at usnews.com/sections/rankings.



Save a Life Nirmal Choradia, a sophomore biomedical engineering major in the School of Engineering & Applied Science, takes the driver's seat in the Save a Life drunk driving simulator April 2 in Mallinckrodt Student Center. The five-screen machine lets participants "drive" through virtual streets while simulating the experience of operating a car while intoxicated. Sponsored by the Student Health Advisory Committee, the event taught students the dangers of drunk driving.

Branding, Kittner hired at business school

BY SHULA NEUMAN

The John M. Olin School of Business recently hired two people to key positions, but Dorothy Kittner and Karen Branding are no strangers to the University. Both earned degrees from the business school.

Kittner (MBA '94) joined the school in the newly created role of director of corporate relations.

Branding (EMBA '03) is associate dean and director of marketing and communications — the department formerly known as external relations.

Kittner has almost 20 years of experience in sales and marketing. Prior to joining the University, Kittner had worked at The Solae Co. since 1994, where her most recent position was marketing and sales effectiveness director. She also worked at Hughes advertising in St. Louis.

Kittner earned a bachelor's degree in English and history with a minor in journalism from the University of Richmond. Her graduate degree is a master of business administration with an emphasis in marketing.

Kittner says her new job entails developing deeper relationships



Branding



Kittner

with corporations so the school and the companies create mutually beneficial synergies.

"I find it exciting that everyone I met with through the interview process is committed to improving Olin's corporate relationships through a coordinated effort," Kittner said. "Olin has a lot to offer its current strategic partners, and there are many opportunities we can explore with other potential strategic relationships."

Branding worked for Anheuser-Busch Cos. Inc. for 14 years, most recently as corporate vice president for Busch Entertainment Corp. Branding was chair, president and CEO of Busch Creative Services Corp. from 1996-2002.

Branding also worked for Fleishman-Hillard Inc. and the U.S. Department of the Treasury and was a policy analyst in the Ex-

ecutive Office of the President of the United States under President Reagan and President George H.W. Bush.

Branding earned a bachelor's degree in public administration, cum laude, from Drake University and a master's degree in public affairs with a concentration in public policy and public finance from Indiana University. She was a member of Beta Gamma Sigma and received the class Emory Award for leadership and scholarship when she graduated from the business school.

"As a proud Olin EMBA alum and as a St. Louis native, I've admired Washington University for my entire life," Branding said. "The prospect of bringing my Fortune 150 marketing and business experience to bear on helping advance this great school — my alma mater — is thrilling."

Mahendra R. Gupta, Ph.D., dean of the business school, said: "We are delighted to have both Dorothy and Karen on board. Their skills and experience will help strengthen the school at a very strategic time for us. We are pleased to have such accomplished women — two Olin alumnae — joining our team."

American Indian Awareness Week begins April 9

BY JESSICA MARTIN

An American Indian Pow Wow, a presentation on American Indian mascots in sports and a traditional food tasting are among the highlights of the University's American Indian Awareness Week April 9-14. All events are free and open to the public.

The annual awareness week and Pow Wow allow American Indian students to share their unique cultures with the rest of the campus and the St. Louis community.

Both a political and a technical representative from Ottawa's National Association of Friendship Centres (NAFC) will present "Invisible Minorities: Urban First Nations Peoples" at 3 p.m. April 9 in Brown Hall Lounge.

The NAFC's discussion about urban native communities continues April 10 during "Urban Native Community Organizing: the Canadian Experience," at 5:30 p.m. in Brown Hall Lounge.

"We are very honored by the NAFC's willingness to join us and not only inform many about the existence and identity of urban native communities, but also to meet directly with our St. Louis native community," said Dana Klar, interim director of the Kathryn M. Buder Center for American Indian Studies at the George Warren Brown School of Social Work.

"St. Louis has a sizable, largely unseen, but certainly impassioned, urban native community actively engaging in activities through at least five organized groups," Klar added. "One goal of mine is the creation of an alliance, or coalition, of these groups so that on occasion, a larger body may meet in service to all. We are hopeful that the NAFC can provide inspiration and information as to how best to achieve this goal."

On April 11, Buder Center students and staff will offer a sampling of American Indian foods from 11 a.m.-1 p.m. in the Lopata Courtyard and the Goldfarb Student Commons.

Hugh Foley, Ph.D., associate professor of communication and fine arts at Rogers State University, will present "Savage Country: American Indian Mascots

in Sports" at 2 p.m. April 12 in Room 458 of Louderman Hall.

"This is a very controversial topic in the greater St. Louis region due to the retirement of Chief Illiniwek at the University of Illinois," Klar said. "Foley will address this issue on many levels and discuss it as a multifaceted issue rather than one with just a clear 'right or wrong' response."

The celebration culminates April 14 in the Field House with the 17th annual Pow Wow, a festival of American Indian dancing, singing, drumming, arts, crafts and food. This year's theme is "Honoring Women: They Keep the Fire Burning."

"The Pow Wow is so important to the St. Louis community," says Dawn M. Jordan, Pow Wow co-chair and first-year social work student. "The Pow Wow is a time for us to connect with other Indian people, and I think it provides a sense of belonging."

"Being an American Indian living in an urban area like St. Louis, many times you are the only Indian person in your workplace, school or neighborhood," Jordan added. "For non-natives, the Pow Wow is an opportunity to experience the rich heritage of the American Indian culture."

Intertribal and contest dancing take place at 1 and 6 p.m. Traditional arts and crafts booths open at 10 a.m.

A special highlight this year is the Pow Wow's presentation of the returning art exhibit "Nations On The Trail," a series of 11 elaborately painted table coverings by Nardi Hobler.

Hobler created a special edition 12th covering that recognizes the eight resident Buder scholars. It will be exhibited for the first time during the Pow Wow. A commemorative poster featuring this 12th piece will be available for purchase.

The American Indian Awareness Week and Pow Wow are sponsored by the Buder Center, the American Indian Student Association, the Women's Society and several departments, as well as area businesses and organizations.

For more information, call 935-4510 or visit web.wustl.edu/buder.

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School of Medicine Update

CT scans virtually unwrap Science Center's mummy

BY MICHAEL C. PURDY

Researchers at the University and elsewhere recently helped the Saint Louis Science Center probe the mysteries of a nearly 2,000-year-old baby mummy.

The mummy, part of the Science Center's collection of artifacts for two decades, went on permanent public display March 15 in conjunction with the arrival of an IMAX film on mummies.

The niece of a St. Louis dentist donated the mummy to the Science Center in 1985. Her uncle purchased it during a trip to the Middle East around the beginning of the 20th century.

Parts of the mummy's wrappings had been cut away, revealing the baby's facial features, neck and chest. To learn more without inflicting further damage, Science Center officials turned to the Mallinckrodt Institute of Radiology at the School of Medicine.

Charles F. Hildebolt, D.D.S., Ph.D., associate professor of radiology, led a team that used X-ray computed tomography (CT) scanning to create 3-D images of the mummy, which allowed the researchers to virtually remove the mummy's wrappings and peer inside the body.

Using data from the CT scans, Hildebolt and colleagues determined that the mummy was a boy. To assess his age at time of death, they looked at the development of his teeth, closure of the bones in his skull and the formation of his hands, all of which suggested that the boy was 7-8 months old when he died.

The scans showed extensive evidence of procedures often used in mummification. The



(From left) Charles F. Hildebolt, D.D.S., Ph.D.; Li Cao, M.D., a staff scientist in human genetics; and Anne Bowcock, Ph.D., take core samples from the approximately 2,000-year-old mummified boy for DNA testing at the Saint Louis Science Center. The School of Medicine researchers were among national and international researchers using CT-generated 3-D models, DNA testing and radiocarbon dating to study each aspect of the mummy. Scientists determined the boy was 7-8 months old when he died.

boy's brain, for example, had been removed through a break in his ethmoid bone, which separates the nasal cavity from the brain. His liver, stomach, lungs and intestines were removed from

a cut in the abdomen.

"Generally, the heart was not removed during mummification because the Egyptians thought it was the seat of the soul," Hildebolt said. "They believed the souls

of the dead were able to reanimate their bodies in the here-after."

The scans produced no definitive evidence of what caused the boy's early demise.

"Juvenile mortality was high at that point in world history, and it's possible that whatever killed him left no trace on his bones," Hildebolt said.

The baby was wrapped in an outer burial shroud and at least eight layers of linen bandages tied in place with linen bands.

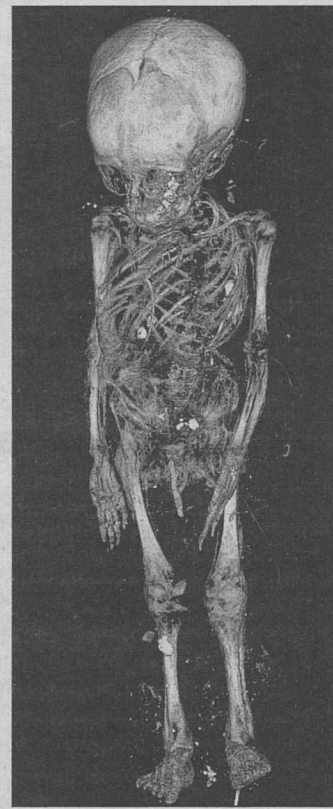
To determine the time period from which the mummy came, scientists sent a postage-stamp-sized sample of the linen bandages to a radiocarbon-dating firm in Florida. The firm's analysis found a 95 percent probability that the boy's brief life occurred sometime between 40 B.C. and 130 A.D., likely during the time when Egypt was a province of the Roman Empire, Hildebolt said.

The CT scans also revealed a number of amulets placed throughout the body. Hildebolt said these charms and the superior quality of the

mummification techniques suggest that the baby was from a middle-class family that could afford to pay for such services. Historians believe that when Egypt was a Roman province, both Egyptians and Romans may have had family members mummified. Hildebolt obtained four tissue samples from different areas of the mummy and gave them to

Anne Bowcock, Ph.D., professor of genetics, of medicine and of pediatrics, for analysis. Bowcock's group was able to extract DNA from three of the samples and to sequence DNA from the mitochondria, energy-making structures in human cells thought to be descended from symbiotic bacteria. Mitochondria are passed on through the mother, and traits in the DNA suggested the baby's mother might have been European and possibly Greek or Roman.

Bowcock plans further analysis to determine the geographic origin of the father by looking at the mummy's Y chromosome.



Rendering of the mummy skeleton, which was created by using more than 1,000 slices obtained from high-resolution, whole-body computed tomography (CT) data. Most of the wrappings covering the mummy and soft tissues remaining on the body have been made transparent.

David Holtzman honored for Alzheimer's research

BY MICHAEL C. PURDY

David M. Holtzman, M.D., the Andrew B. and Gretchen P. Jones Professor and head of Neurology, is the co-recipient of the MetLife Foundation Award for Medical Research in Alzheimer's Disease.

Holtzman is associate director of the Alzheimer's Disease Research Center (ADRC) and a member of the Hope Center for Neurological Disorders at the School of Medicine.

Holtzman received the honor Feb. 23 for his pioneering work in the study of the early molecular biology of Alzheimer's disease, which has helped advance the search for new treatments and for ways to identify the disorder as soon as possible.

As a winner, Holtzman will receive a personal prize, and the University will receive \$200,000 to promote research in Alzheimer's disease.

Prior University recipients of the award include John C. Morris, M.D., director of the ADRC, and Alison Goate, Ph.D., professor of genetics in psychiatry. Holtzman received the foundation's "promising work" grant in 2002.

The co-recipient for this year's award is Berislav V. Zlokovic, M.D., Ph.D., of the University of Rochester Medical Center in Rochester, N.Y., who studies the impact of blood flow in Alzheimer's disease.

Among other accomplishments, Holtzman and his colleagues have studied the effects of

antibodies against amyloid beta, a key component of the plaques that appear in the brains of Alzheimer's patients.

Holtzman's group, together with collaborators at Eli Lilly and Co., showed the antibodies could decrease amyloid plaques over months in mice. In addition, one antibody improved memory function in mice in a few days. A human form of an antibody is now being tested.

Researchers in Holtzman's lab, including John Cirrito, Ph.D., postdoctoral research scholar, and Randy Bateman, M.D., assistant professor of neurology, also have developed ways to monitor the production and clearance of amyloid beta in both mice and humans. They hope the techniques will help answer lingering questions about whether the brains of Alzheimer's patients make too much amyloid beta or fail to clear it out fast enough.

The answers will help scientists working to develop new diagnostic tests and treatments.

In addition, spinal fluid tests developed with colleagues including Morris; Anne Fagan, Ph.D., research associate professor of neurology; and Mark Mintun, M.D., professor of radiology, suggest that Alzheimer's changes in the brain can be detected years before clinical symptoms develop.

Holtzman is a past recipient of the Potamkin Prize from the American Academy of Neurology, a MERIT award from the National Institute on Aging and the Zenith Award from the Alzheimer's Association.

Type 2 diabetic patients needed for study of blood fat, heart health

BY GWEN ERICSON

Diabetes is hard on the heart — adults with diabetes die from heart disease about two to four times more often than those without diabetes. Scientific evidence has suggested that blood-fat levels are a source of this problem.

A clinical study at the School of Medicine is investigating the link between blood fat and heart health.

"There is a growing appreciation that the kinds of metabolic changes found in diabetes can affect the heart," said study leader Jean Schaffer, M.D., associate professor of medicine and a cardiologist at Barnes-Jewish Hospital. "People with diabetes tend to have higher levels of triglycerides and fatty acids in the blood, and we're focusing on how this can alter heart muscle function."

If you have type 2 diabetes and are otherwise healthy, you may be eligible to participate in the study. The researchers are looking for type 2 diabetics between ages 30-55 who don't have severe hypertension, heart or valvular disease and don't smoke. The study requires only two visits.

"Volunteers will contribute to our knowledge of heart disease and diabetes, and I find that many people with diabetes are very motivated to help push the envelope in research that can lead to new treatments," Schaffer said.

In an earlier study of mice, the research group found that when more fat entered heart muscle cells, the mice developed problems with the relaxation phase of the heart's pumping activity, even in the absence of blood-sugar elevation. Abnormalities in the relaxation or diastolic phase of the heart cycle are often the earliest signs of heart problems in people with diabetes, according to Schaffer.

"This mouse study gave us further proof that

fats alone could play an important role in these early heart problems," Schaffer said. "So now, we want to find out if people with diabetes who have elevated blood-fat levels also show some of these early signs of heart dysfunction — even though they may not have any outward symptoms such as shortness of breath or fluid buildup."

If the researchers can establish a clear link between high levels of fat and abnormal heart function, that would suggest diabetics could benefit greatly from new, more aggressive strategies to lower blood-fat levels.

"If we find an association between heart problems in diabetics and levels of lipids in the blood, then it would make all the more sense to try to lower lipids even further in people with diabetes," Schaffer said. "Moreover, this may spur further work on lipid-lowering agents that are well suited to diabetic patients."

Linda Peterson, M.D., assistant professor of medicine and a cardiologist at Barnes-Jewish Hospital, joins Schaffer in leading the study, which is part of a National Institutes of Health-funded program called Planning Interdisciplinary Studies of the Diabetic Heart. Daniel P. Kelly, M.D., the Alumni Endowed Professor of Cardiovascular Diseases and director of the Division of Cardiovascular Diseases, is principal investigator of the grant.

"We were one of the few institutions in the country that received this prestigious award for interdisciplinary studies," Schaffer said. "It's a great opportunity to move some of our basic laboratory observations into investigations in the clinical population."

Participants in the study will undergo a physical exam and be asked to fill out a health questionnaire. Two 12-hour fasts before blood and urine tests are required. Volunteers will receive \$150 to compensate for their time and effort and will obtain a comprehensive evaluation of heart function and blood lipids. Anyone interested in the study may contact coordinator Marsha Farmer at 747-3357 or mfarmer@im.wustl.edu.



Schaffer

University Events

Comedy of errors 'House of Desires' takes mainstage

BY LIAM OTTEN

Mistaken identities, hidden lovers, mischievous servants and duels in the dark. Welcome to "House of Desires," a romantic comedy of errors written in 1683 by Sor Juana Inés de la Cruz, a proto-feminist Mexican nun today considered one of the most brilliant writers of the Baroque period.

The Performing Arts Department (PAD) in Arts & Sciences will present Catherine Boyle's recent translation of "House of Desires" as its spring mainstage production.

Performances take place at 8 p.m. April 13-14 and 20-21 and 2 p.m. April 15 and 22 in Edison Theatre.

A satire of courtly conventions, the play focuses on the rivalry between the noble Doña Ana and the virtuous yet impoverished Doña Leonor. When Leonor is separated from her lover, Don Carlos, by the machinations of Ana's brother, Don Pedro, she seeks refuge with Ana. Unbeknownst to

Leonor, Ana also is in love with Carlos, though she is formally wooed by the feckless Don Juan.

"Sor Juana was clearly a writer ahead of her time," said Trevor Bishop, guest director in the PAD and a 2003 alumnus. "Though 'House of Desires' follows the conventions of Spanish Golden Age comedy — mistaken identity, romantic entanglements — it also deals with issues of identity, gender and patriarchy in ways that seem very contemporary."

Boyle's translation of "House of Desires" was commissioned by the Royal Shakespeare Company (RSC) as part of its critically acclaimed 2004 series "The Spanish Golden Age."

Boyle, a reader in Latin-American cultural studies at Kings College in London, served as academic adviser to the series. The following year, the RSC moved its production of "House of Desires" to London's West End.

Bishop is the former literary manager for St. Louis' (Mostly) Harmless Theatre. Now

based in Los Angeles, he has spent the last several years as a freelance director for major regional theaters such as the South Coast Repertory, Theatre of Note and the Utah Shakespearean Festival.

The cast of 14 includes sophomore Kaylin Boosalis as Ana; senior Elizabeth Neukirch as Leonor; graduate student Chris Hartman as Carlos; senior Robert McLemore as Pedro; and Matthew Gill, the Andrew W. Mellon Postdoctoral Fellow in English in Arts & Sciences, as Don Juan.

Sets, inspired by the painting of El Greco, are by Patrick Huber, visiting artist-in-residence in the PAD. Original music scored specifically for this production is by Jeffrey Noonan, teacher of applied music in Arts & Sciences.

Costumes are by Bonnie Kruger, senior lecturer in the PAD. Lighting is by Charles Chapman, artist-in-residence in the PAD. Sound is by sophomore Timothy Trinidad.

Tickets are \$15; \$9 for students, seniors, faculty and staff. For more information, call 935-6543.



Senior Elizabeth Neukirch plays Doña Leonor, and graduate student Chris Hartman portrays Don Carlos.

Publishing Weekend • A Journey in Peace • Lost Gospels

"University Events" lists a portion of the activities taking place April 5-18 at Washington University. Visit the Web for expanded calendars for the Danforth Campus (calendar.wustl.edu) and the School of Medicine (medschool.wustl.edu/calendars.html).

Exhibits

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

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

Film

Friday, April 6

8 p.m. Italian Film Festival of St. Louis. "La Febbre" (The Fever). Alessandro D'Alatri Mario, dir. Brown Hall Auditorium. 422-3102.

Saturday, April 7

8 p.m. Italian Film Festival of St. Louis. "Romanzo Criminale" (Crime Novel). Michele Placido, dir. Brown Hall Auditorium. 422-3102.

Wednesday, April 11

7 p.m. German Film Festival. "Vier Minuten" (Four Minutes). Chris Kraus, dir. Tivoli Theatre, 6350 Delmar Blvd. 935-4523.

Thursday, April 12

7 p.m. German Film Festival. "Alles auf Zucker!" (Go For Zucker!). Dani Levy, dir. Tivoli Theatre, 6350 Delmar Blvd. 935-4523.

Friday, April 13

8 p.m. Italian Film Festival of St. Louis. "Alla Luce del Sole" (Come Into The Light). Roberto Faenza, dir. Brown Hall Auditorium. 422-3102.

Saturday, April 14

2 p.m. German Film Festival. "Fremde Haut" (Unveiled). Angelina Maccarone, dir. Tivoli Theatre, 6350 Delmar Blvd. 935-4523.

8 p.m. Italian Film Festival of St. Louis. "La Terra" (Our Land). Sergio Rubini, dir. Brown Hall Auditorium. 422-3102.

Sunday, April 15

2 p.m. German Film Festival. "Sommer vorm Balkon" (Summer in Berlin). Andreas Dresen, dir. Tivoli Theatre, 6350 Delmar Blvd. 935-4523.

Lectures

Thursday, April 5

10 a.m. Energy, Environmental & Chemical Engineering Seminar. Hunter Lovins, president, Natural Capitalism, Inc., Eldorado Springs, Colo. Lopata Hall, Rm. 101. 935-5548.

Noon. Genetics Seminar Series. "LINE-1 Retrotransposition and Human Disease."

John Moran, assoc. prof. of human genetics, U. of Mich. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

4 p.m. Chemistry Lecture. "A Double Feature: The Preparation of Substituted Poly (phenylenevinylene)s for Device Applications and The Use of Sol-Gel Films for Cell Growth Studies." Elizabeth Sanford, prof. of chemistry, Hope College. McMillen Lab, Rm. 311. 935-6530.

4 p.m. History Colloquium. "The Making of an African Communist: Edwin Mfut-sanyana and the Communist Party of South Africa, 1927-1939." Robert Edgar, prof. of history, Howard U. Co-sponsored by African & African American Studies. (Reception follows.) Duncker Hall, Rm. 201, Hurst Lounge. 935-5450.

4 p.m. Ophthalmology & Visual Sciences Seminars. "Neurturin-RET Mediated Signaling is Critical for Normal Retinal Function." Milam Brantley, Jr., asst. prof. of ophthalmology & visual sciences. Maternity Bldg., Rm. 725. 362-3315.

4:30 p.m. Danforth Lecture. "The Social Impact of a University." Jonathan F. Fanton, president, John D. and Catherine T. MacArthur Foundation. Sponsored by the George Warren Brown School of Social Work, the Gephardt Institute for Public Service and the Assembly Series. Brown Hall Lounge. To R.S.V.P.: 935-7573.

Friday, April 6

10 a.m. The Writing Program "Publishing Weekend" Speaker Series. Emily Forland, literary agent, Wendy Weil Agency. Co-sponsored by the Department of English in Arts & Sciences and The Career Center. Duncker Hall, Rm. 201, Hurst Lounge. 935-7130.

11 a.m. The Writing Program "Publishing Weekend" Speaker Series. Jessa Crispin, editor-in-chief, Bookslut.com. Co-sponsored by the Department of English in Arts & Sciences and The Career Center. Duncker Hall, Rm. 201, Hurst Lounge. 935-7130.

Noon. Cell Biology & Physiology Seminar. "Genetic Analysis of Organogenesis in the Mouse." Jeffrey Miner, assoc. prof. of internal medicine. McDonnell Medical Sciences Bldg., Rm. 426. 747-4233.

Saturday, April 7

10 a.m. The Writing Program "Publishing Weekend" Speaker Series. Fiona McCrae, publisher & dir., Graywolf Press. Co-sponsored by the Department of English in Arts & Sciences and The Career Center. Duncker Hall, Rm. 201, Hurst Lounge. 935-7130.

11 a.m. The Writing Program "Publishing Weekend" Speaker Series. Jennifer Kronovet, co-founder & co-editor, Circumference: Poetry in Translation. Co-sponsored by the Department of English in Arts & Sciences and The Career Center. Duncker Hall, Rm. 201, Hurst Lounge. 935-7130.

Monday, April 9

2:30 p.m. Energy, Environmental & Chemical Engineering Seminar. "Iron-Based Bimetallic Reductants for Treatment of Halogenated Organic Solvents." David Cwiertny, postdoctoral research assoc., U. of Iowa. Lopata Hall, Rm. 101. 935-5548.

4 p.m. Foreign Language Learning Colloquium Speaker Series. "The Age Factor in Second Language Speech Learning." James Flege, prof. emeritus of psychology, U. of Ala., Birmingham. Co-sponsored by Asian & Near Eastern Languages & Literatures, Germanic Languages & Literatures and Romance

Languages & Literatures. Lab Sciences Bldg., Rm. 250. 935-5175.

4 p.m. Immunology Research Seminar Series. "Insights Into Pathways of NK Cell Cytotoxicity." Marina Cella, assoc. prof. of pathology & immunology. Farrell Learning & Teaching Center, Connor Aud. 362-2763.

4 p.m. Ophthalmology & Visual Sciences Seminars. "Genetic Defects Causing Retinitis Pigmentosa. Insights from Two Genes: NRL and RD3." James Friedman, postdoctoral fellow in ophthalmology, U. of Mich. Maternity Bldg., Rm. 725. 362-3315.

Tuesday, April 10

Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series. "Remodeling Proteins and the Proteome by AAA ATPase." Tania Baker, E.C. Whitehead Professor of Biology, Mass. Inst. of Technology. Cori Aud., 4565 McKinley Ave. 935-7888.

1 p.m. K-12 Multidisciplinary Clinical Research Career Development Program Seminar. "Molecular Imaging of Cardiovascular Disease and Cancer with Nanotechnology Approaches." Samuel Wickline, prof. of medicine. Center for Clinical Research Training, Conference Rm. 1. 454-8960.

1 p.m. Program in Physical Therapy Research Seminar. 4444 Forest Park Blvd., Lower Lvl., Rm. B108. 286-1404.

4 p.m. Assembly Series Lecture. Phi Beta Kappa Lecture. "Baldwin and the Bosphorus or Talking About Black History Month to Students in Turkey." Gerald L. Early, Merle Kling Professor of Modern Letters. Graham Chapel. 935-4620.

Wednesday, April 11

11 a.m. Assembly Series Lecture. Women's Society Adele Starbird Lecture. "Return to Little Rock." Minnie Jean Brown Trickey, civil rights activist. Graham Chapel. 935-4620.

4 p.m. Biochemistry & Molecular Biophysics Seminar. "Protein Misfolding in Aging and Neurodegenerative Disease." Richard Morimoto, Bill and Gayle Cooke Professor of Biology, Northwestern U. Cori Aud., 4565 McKinley Ave. 362-4152.

4 p.m. Interdisciplinary Project in the Humanities Conversation. "Translating Swedish Crime Fiction." Ebba Segerberg. Duncker Hall, Rm. 201, Hurst Lounge. 935-4200.

7 p.m. Visiting Artist Lecture Series. Lesley Dill, mixed-media artist. Co-sponsored by the Sam Fox School of Design & Visual Arts. Millstone Gallery at COCA, 524 Trinity Ave. 725-1834, ext. 156.

Thursday, April 12

Noon. Genetics Seminar. "Genome Wide Association and Candidate Gene Study of Nicotine Dependence-A Two Pronged Approach." Laura Bierut, assoc. prof. of psychiatry. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

3 p.m. Siteman Cancer Center Basic Science Seminar Series. Julia Hudson Freund Memorial Lecture. Stuart Orkin, dept. of pediatric oncology, Children's Hospital & Dana-Farber Cancer Inst. Eric P. Newman Education Center. 454-7029.

4 p.m. Chemistry Lecture. "From the Pi-way to the Bedside: Use of Accelerator Mass Spectrometry to Study Mutagenic Guanine Oxidation and the Mechanisms of DNA Adduction by Platinum Anticancer Drugs." Paul Henderson, U. of California. McMillen Lab, Rm. 311. 935-6530.

4 p.m. Ophthalmology & Visual Sciences Seminars. "Senescence, Innate Immunity and Ocular Angiogenesis." Rajendra Apte, asst. prof. of ophthalmology & visual sciences. Maternity Bldg., Rm. 725. 362-3315.

Friday, April 13

Noon. Cell Biology & Physiology Seminar. "Telomere Dynamics During the Cell Cycle." Jan Karlseder, assoc. prof. of molecular & cellular biology, The Salk Inst. McDonnell Medical Sciences Bldg., Rm. 426. 362-7437.

4 p.m. East Asian Studies Lecture. "Confessions of a Poison Woman: Reading Self Narrative in Meiji Japan." Christine Marran, prof. of Asian languages and literature, U. of Minnesota. Co-sponsored by International & Area Studies and Women and Gender Studies. Duncker Hall, Rm. 101. 935-4448.

6 and 8:30 p.m. WUSTL Association Travel Lecture Series. "Rail Across Russian-St. Petersburg to the Black Sea." Mary Lee & Sid Nolan, directors. Graham Chapel. 935-5212.

Monday, April 16

3 p.m. Neuro-oncology Research Group Seminar Series. "The Roots of Pediatric Brain Tumors, Mutations and Normal Development." Joshua Rubin, asst. prof. of pediatrics. South Bldg., Rm. 3907, Philip Needleman Library. 454-8981.

4 p.m. Immunology Research Seminar Series. "The Role of Endogenous Peptide-MHC Complexes in T Cell Recognition and Selection." Mark Davis, prof. Stanford U., HHMI. Farrell Learning and Teaching Center, Connor Aud. 362-2763.

4 p.m. Religious Studies Lecture. "Gandhi, King, Ikeda: A Legacy of Building Peace." Lawrence Carter, prof. of religion, Morehouse College. (Reception follows.) Wilson Hall, Rm. 214. 935-8677.

5:30 p.m. Cardiac Bioelectricity & Arrhythmia Center Seminar Series. "Realtime MRI: Its Applications for Diagnosis and Therapy." Bruno Taccardi, prof. of medicine, NIH. (5 p.m. reception.) Whitaker Hall, Rm. 218. 935-7887.

Tuesday, April 17

Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series. "Subversion of the Eukaryotic Host Cell by Secreted Chlamydia Trachomatis Effectors." Ted Hackstadt, prof. of medicine, Rocky Mountain Laboratories. Cori Aud., 4565 McKinley Ave. 286-2878.

1 p.m. K-12 Multidisciplinary Clinical Research Career Development Program Seminar. "Why in the World Would a Ph.D.-Scientist Choose a Clinical Research Career in a Department of Medicine?" Kevin Yarasheski, assoc. prof. of medicine. Center for Clinical Research Training, Conference Rm. 1. 454-8960.

2:45-7:30 p.m. Center for the Application of Information Technology Executive and Management Forum. "ITSM: The Path to True Business/IT Alignment." David Cannon, practice principal. Dennis & Judith Jones Visitor and Education Center, Forest Park. To register: 935-4444.

4:30 p.m. Religious Studies Lecture. "Lost Gospels and Rediscovered Christianities." Bart Ehrman, prof. of religion, U. of North Carolina at Chapel Hill. (Reception follows.) Wilson Hall, Rm. 214. 935-8677.

Wednesday, April 18

11 a.m. Assembly Series. Martin Luther

King Jr. Memorial Lecture/Social Justice Center/Amnesty International. "An Ordinary Man." Paul Rusesabagina, author. Graham Chapel. 935-5285.

4 p.m. Interdisciplinary Project in the Humanities Conversation. "Wondrous Birds Grow From the Palm of My Hand." Fatemeh Keshavarz, prof. of Persian language & literature. Duncker Hall, Rm. 201, Hurst Lounge. 935-4200.

5:30 p.m. Kemper Art Museum Gallery Talk. Michael Murawski, coordinator of education and public programs. Kemper Art Museum, Rm. 104. 935-4523.

Music

Wednesday, April 11

8 p.m. Student Recital. Graham Chapel. 935-4841.

Tuesday, April 17

8 p.m. Student Recital. Graham Chapel. 935-4841.

On Stage

Friday, April 13

8 p.m. Asian and Near Eastern Languages and Literatures Performance. "The Watching Heart: A Journey in Peace." Alice Bloch and Fatemeh Keshavarz, adj. instructor and prof. of Persian and comparative literature. Olin Dance Studio, Ann W. Olin Women's Bldg. 935-5110.

8 p.m. Performing Arts Dept. Presentation. "House of Desires" by Sor Juana Inés de la Cruz. Trevor Bishop, dir. (Also 8 p.m. April 14, 20 & 21, 2 p.m. April 15 & 22.) Cost: \$15; \$9 for seniors, students, faculty & staff. Edison Theatre. 935-6543.

Sports

Friday, April 6

7 p.m. Men's tennis vs. Maryville U. Tao Tennis Center. 935-4705.

Saturday, April 7

All day. Track & Field WUSTL Select meet. Francis Field. 935-4705.

10 a.m. Men's tennis vs. Wheaton College. Tao Tennis Center. 935-4705.

Monday, April 9

4 p.m. Men's tennis vs. McKendree College. Tao Tennis Center. 935-4705.

Wednesday, April 11

3 p.m. Women's tennis vs. Maryville U. Tao Tennis Center. 935-4705.

Friday, April 13

All day. Track & Field WUSTL Quad. Francis Field. 935-4705.

2:30 p.m. Women's tennis vs. Missouri Western State U. Tao Tennis Center. 935-4705.

Saturday, April 14

9 a.m. Men's tennis vs. Coe College. Forest Park, Dwight Davis Tennis Center. 935-4705.

Examining American black history from the Turkish perspective

BY BARBARA REA

Aclaimed essayist and cultural critic Gerald L. Early, Ph.D., will give this year's Phi Beta Kappa Lecture for the Assembly Series at 4 p.m. April 10 in Graham Chapel.

His talk, which is free and open to the public, will be on "Baldwin and the Bosphorus or Talking About Black History Month to Students in Turkey." The Baldwin reference is to James Baldwin, one of the most influential black writers in America.

Early is the Merle Kling Professor of Modern Letters and professor of English, African & African American studies and American cultural studies, as well as director of the Center for Humanities, all in Arts & Sciences.

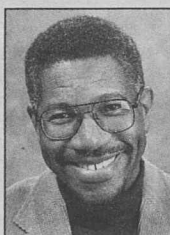
Last fall, Early received the Phi Beta Kappa Award for Distinguished Service to the Humanities, a recognition by the national body for significant contributions in the humanities.

From Muhammad Ali to Motown, from Miles Davis to Sammy Davis Jr., he writes on the modern American condition from a personal perspective.

From his vantage point as an African-American baby boomer, Early edited a volume of essays, "This Is Where I Came In: Black America in the 1960s," and wrote "One Nation Under a Groove: Motown and American Culture."

As a jazz enthusiast, he compiled the volume of essays "Miles Davis and American Culture."

"The Culture of Bruising: Essays on Prizefighting, Literature, and Modern American Culture" sprang from his love of boxing and won the 1994 National Book Critics Circle Award for criticism. The book was a follow-up to "Tuxedo Junction: Essays on



Early

American Culture," which Early published in 1989.

His chronicle of fatherhood, "Daughters: On Family and Fatherhood," was a semi-finalist for the 1995 National Book Critics Circle Award.

That same year, he published "How the War in the Streets Is Won: Poems on the Quest of Love and Faith."

"Lure and Loathing: Essays on Race, Identity and the Ambivalence of Assimilation," which Early edited in 1993, received the Outstanding Book Award from the Gustavus Myers Center for the Study of Bigotry and Human Rights.

Baseball is another favorite topic for Early, and his knowledge of that sport, as well as of jazz, made him sought after as a consultant and featured expert in Ken Burns' award-winning documentaries on the subjects. Early also worked with Burns on a profile of Jack Johnson, the first African-American heavyweight champion.

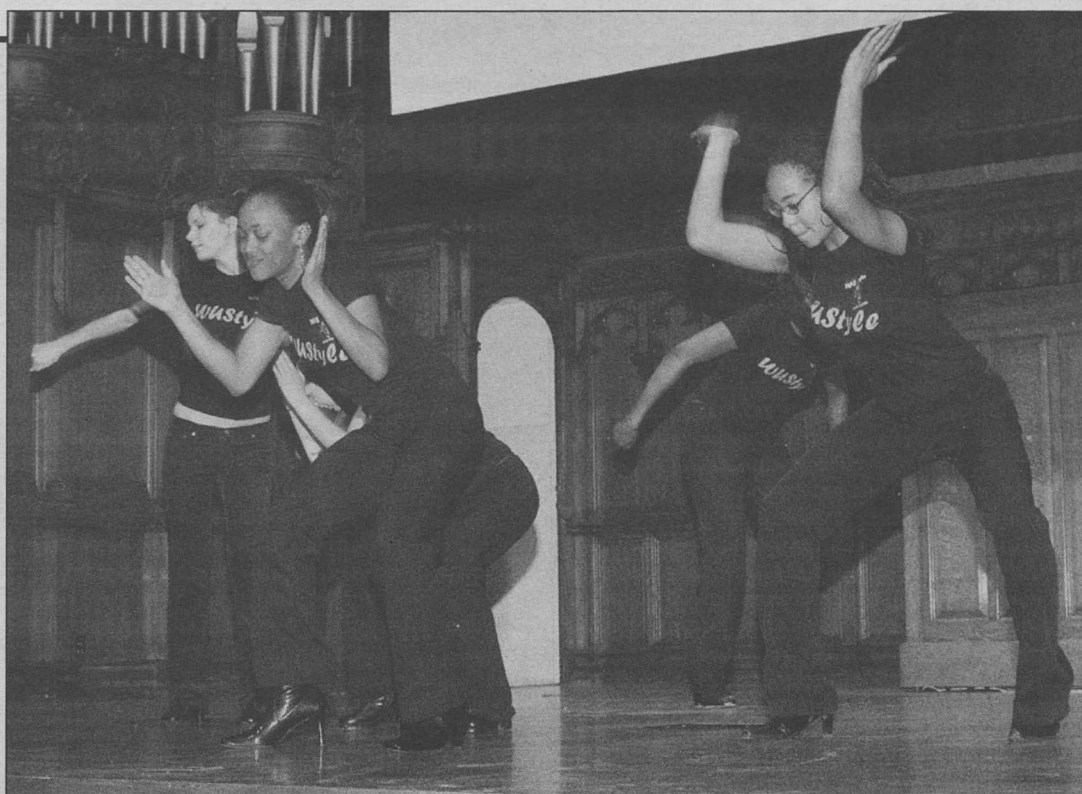
In addition to writing accolades, Early has received two Grammy Award nominations for album notes for "Yes I Can! The Sammy Davis Jr. Story," and "Rhapsodies in Black: Music and Words From the Harlem Renaissance."

Early is a fellow of the American Academy of Arts and Sciences and a commentator for National Public Radio.

A faculty member since 1982, Early became a full professor in 1990 and has taught in a number of academic departments in Arts & Sciences and served as director of American culture studies and what was formerly called African and Afro-American studies.

A native of Philadelphia, he earned a bachelor's degree from the University of Pennsylvania in 1974 and master's and doctoral degrees from Cornell University in 1980 and 1982, respectively.

For more information, call 935-4620 or visit assemblyseries.wustl.edu.



Jive-a-licious (From left) Junior Genna Steinberg, freshman Jasmine Taylor and junior Jessica McLean, members of the WUStyle Step Team, perform at Jive-a-licious March 28 in Graham Chapel. Sponsored by the WUSTL Jive Dance Team, the annual event also featured performances by student groups n'Motion, Mosaic Whispers and others.

German film festival screens area premieres

The Kemper Art Museum will present "A Festival of Contemporary German Film" April 11-15.

The festival includes three St. Louis premieres — "Vier Minuten" (Four Minutes), "Fremde Haut" (Unveiled) and "Sommer vorm Balkon" (Summer in Berlin) — as well as the critically acclaimed "Alles auf Zucker!" (Go for Zucker!).

All four films will be shown in German with English subtitles. Screenings begin April 11 at the Tivoli Theatre, 6350 Delmar Blvd.

In addition, the museum will host a panel discussion exploring contemporary German film within the artistic and socio-political context of post-unification Germany.

"Kemper Conversation: Panel on Contemporary German Film" begins at 6:30 p.m. April 13, preceded by a reception at 6 p.m.

Lutz Koepnick, Ph.D., professor of Germanic languages and literatures and film and media studies, both in Arts & Sciences, will moderate the panel.

Panelists include Jennifer M. Kapczynski, Ph.D., assistant professor of German; Leah Chizek, a

doctoral candidate in Germanic languages and literatures; Roger F. Cook, Ph.D., professor of German and chair of the Department of German and Russian Studies at the University of Missouri-Columbia (UMC); and Brad Prager, Ph.D., associate professor of German at UMC.

The festival is held in conjunction with the museum's exhibition "Reality Bites: Making Avantgarde Art in Post-Wall Germany," on view through April 29.

The film schedule is:

- 7 p.m. April 11 "Vier Minuten" (Four Minutes), 2006, directed by Chris Kraus. Traude Krueger (Monica Bleibtreu) has taught piano at a women's prison since World War II. With Traude's help, inmate Jenny (Hannah Herzsprung), a former child prodigy jailed for a brutal killing, begins training for a piano competition.

- 7 p.m. April 12 "Alles auf Zucker!" (Go for Zucker!), 2004,

directed by Dani Levy. The first Jewish comedy made in Germany since World War II, the film tells the story of two brothers who reunite after decades of separation by the Berlin Wall.

- 2 p.m. April 14 "Fremde Haut" (Unveiled), 2005, directed by Angelina Maccarone. When Iran's vice squad discovers her homosexuality, translator Fariba (Jasmin Tabatabai) tries to flee a death sentence and winds up in a German refugee detention center, where she avoids deportation by assuming the identity of a deceased male inmate.

- 2 p.m. April 15 "Sommer vorm Balkon" (Summer in Berlin), 2005, directed by Andreas Dresen. The lives of two best friends in East Berlin grow increasingly complicated by relationships.

All events are free and open to the public. For more information, call 935-4523 or visit kemperartmuseum.wustl.edu.

Explore access to higher education and the professions

BY JESSICA MARTIN

As part of the continuing Danforth Campus celebration, the School of Law is hosting the Philip D. Shelton Symposium titled "A Higher Sense of Purpose: Access to Higher Education and the Professions" from 1-4:30 p.m. April 12 in the Bryan Cave Moot Courtroom of Anheuser-Busch Hall.

Co-sponsored by the Law School Admission Council (LSAC), the symposium is in honor of law school alumnus Shelton, who is LSAC President, a former University dean and professor and a National Council member.

The symposium brings together distinguished panelists to discuss access to higher education and the professions, including socioeconomic and racial diversity issues, as well as related challenges among various disciplines.

It is free and open to the public.

After opening remarks by Chancellor Mark S. Wrighton and Chancellor Emeritus William H. Danforth, M.D., panel topics will be "Socioeconomic and Racial Diversity Issues at Graduate and Undergraduate Levels" and "Access to Higher Education and the Professions: Views from Various Disciplines."

The symposium will end with a tribute to Shelton including comments from members of the law school and legal community.

Shelton has served the American legal education community as a professor, dean and administrator for more than 30 years.

Since joining LSAC in 1993, he has worked with member law schools to expand access to legal education opportunities for under-represented minorities, educationally disadvantaged persons and people with disabilities.

9 a.m. Women's tennis vs. Coe College. Forest Park, Dwight Davis Tennis Center. 935-4705.

3 p.m. Men's tennis vs. U. of Texas-Tyler. Forest Park, Dwight Davis Tennis Center. 935-4705.

3 p.m. Women's tennis vs. U. of Texas-Tyler. Forest Park, Dwight Davis Tennis Center. 935-4705.

Sunday, April 15

10 a.m. Men's tennis vs. U. of Chicago. Tao Tennis Center. 935-4705.

Tuesday, April 17

4 p.m. Men's tennis vs. Principia College. Forest Park, Dwight Davis Tennis Center. 935-4705.

4 p.m. Women's tennis vs. Principia College. Forest Park, Dwight Davis Tennis Center. 935-4705.

Wednesday, April 18

4 p.m. Men's tennis vs. Southern Illinois-Edwardsville. Tao Tennis Center. 935-4705.

4 p.m. Women's tennis vs. Southern Illinois-Edwardsville. Tao Tennis Center. 935-4705.

Worship

Thursday, April 5

7 p.m. Catholic Holy Thursday Mass. Catholic Student Center, 6352 Forsyth Blvd. modde@washucsc.org.

Friday, April 6

7 p.m. Catholic Good Friday Service. Catholic Student Center, 6352 Forsyth

Blvd. modde@washucsc.org.

Saturday, April 7

7:30 p.m. Catholic Easter Vigil Mass. Catholic Student Center, 6352 Forsyth Blvd. modde@washucsc.org.

Sunday, April 8

9:30 & 11 a.m. Catholic Easter Sunday Mass. Graham Chapel. Sponsored by the Catholic Student Center. modde@washucsc.org.

And more

Thursday, April 5

4:30 p.m. University Libraries Panel Discussion. "Arcadia id est: Artists"

Books, Nature and the Landscape." (Reception immediately following, Olin Library, Lvl. 1, Ginkgo Reading Room.) Co-sponsored by Sam Fox School of Design & Visual Arts. Lab Sciences Bldg., Rm. 300. 935-5418.

Friday, April 6

1 p.m. Skandalaris Center YouthBridge Workshop Series. "Resources for Social Entrepreneurs" & "Building Your Network." Simon Hall. To register: www.sc.wustl.edu.

2 p.m. The Writing Program "Publishing Weekend" Panel Discussion. "The Place of Art in the Current Literary Marketplace: How That Marketplace has Changed." Co-sponsored by the Department of English in Arts & Sciences and The Career Center. Duncker Hall, Rm. 201, Hurst Lounge. 935-7130.

Saturday, April 7

2 p.m. The Writing Program "Publishing Weekend" Panel Discussion. "Looking to be Published: Frank Advice for Beginning Writers." Co-sponsored by the Department of English in Arts & Sciences and The Career Center. Duncker Hall, Rm. 201, Hurst Lounge. 935-7130.

Friday, April 13

6:30 p.m. Kemper Art Museum Panel Discussion. "Kemper Conversation: Panel on Contemporary German Film." (6 p.m. reception.) Kemper Art Museum, Rm. 103. 935-4523.

Saturday, April 14

2 p.m. Children's Hope International Concert. "Fourth Annual Concert for Orphans." Cost: \$15. Whitaker Hall Aud. 812-1713.

Treatment

— from Page 1

of their breath.

"Sometimes you just reduce the amount of air in your lungs a little," he said. "You breathe a little shallower, and the diaphragm pulls upward a little. I would never have guessed this subtle drift in the breathing cycle would create a significant error for radiation dosage, but it does."

Low and his colleagues have developed an apparatus called the 4D Phantom, a



Low

machine that can move in the complex patterns specified by the researchers' mathematical model of breathing motion. The 4D Phantom contains an object, or phantom, that represents a tumor and allows researchers to test any part of the radiation therapy process from imaging to treatment.

Whereas other such systems are limited to ellipsoidal or other simple preset motion paths, the 4D Phantom is capable of moving a radiological phantom through custom trajectories specified at 50 positions per second. Thus, it can reproduce real tissue motion.

The research group's investigation of breathing motion has revealed that parts of the lung move a lot while others stay more stationary and that some parts

move quickly while others move slowly. Based on their ever-expanding base of information, they are attempting to build more sophistication into the movement of their 4D Phantom.

"Parag Parikh [M.D., instructor in radiation oncology] designed the software for the first dynamic phantom," Low said. "Now, he is working with a team of engineering undergraduate students to create an even more lung-like phantom that moves in a patient-realistic pattern."

These advances can help improve radiation treatment plans because they can be used to check the accuracy of equipment and computer software used to obtain 4-D computed tomography (4D CT) scans. 4D CT allows physicians to locate tumors and create a 3-D model of a patient's internal organs that accounts for bodily movement during the time course of the scan.

The 3-D model, in turn, guides treatment modalities such as intensity-modulated radiation therapy in which several radiation beams are turned on and off and their intensity altered depending on the organs that the beams pass through.

Low said one of the most important consequences of their research is a new understanding of how mobile lung tumors are.

"What we are finding by looking at this problem in a very concentrated way is that the position of a tumor changes every day in the chest cavity," Low said. "These things can have a profound effect on the quality of radiation therapy unless we can take into account how they affect tumor position."

oppose corporate farming.

Eventually, he'd like to be a Washington representative for a nonprofit environmental group, such as the Union of Concerned Scientists' Food and Environmental branch.

"Paul and A.J. both have leadership experience and abilities far beyond their years," said Ian MacMullen, Ph.D., assistant dean in the College of Arts & Sciences.

"It is often hard to remain optimistic when contemplating the colossal environmental challenges we face in the next few decades, but it is a real comfort to know that people with the commitment and political acumen of Paul and A.J. will spearhead the response to those challenges. I congratulate them both; they represent the very best of Washington University."

cises more self-control in waiting for a monetary reward because money is always useful, while we have "inconstant desire" for things like beer, candy and soda.

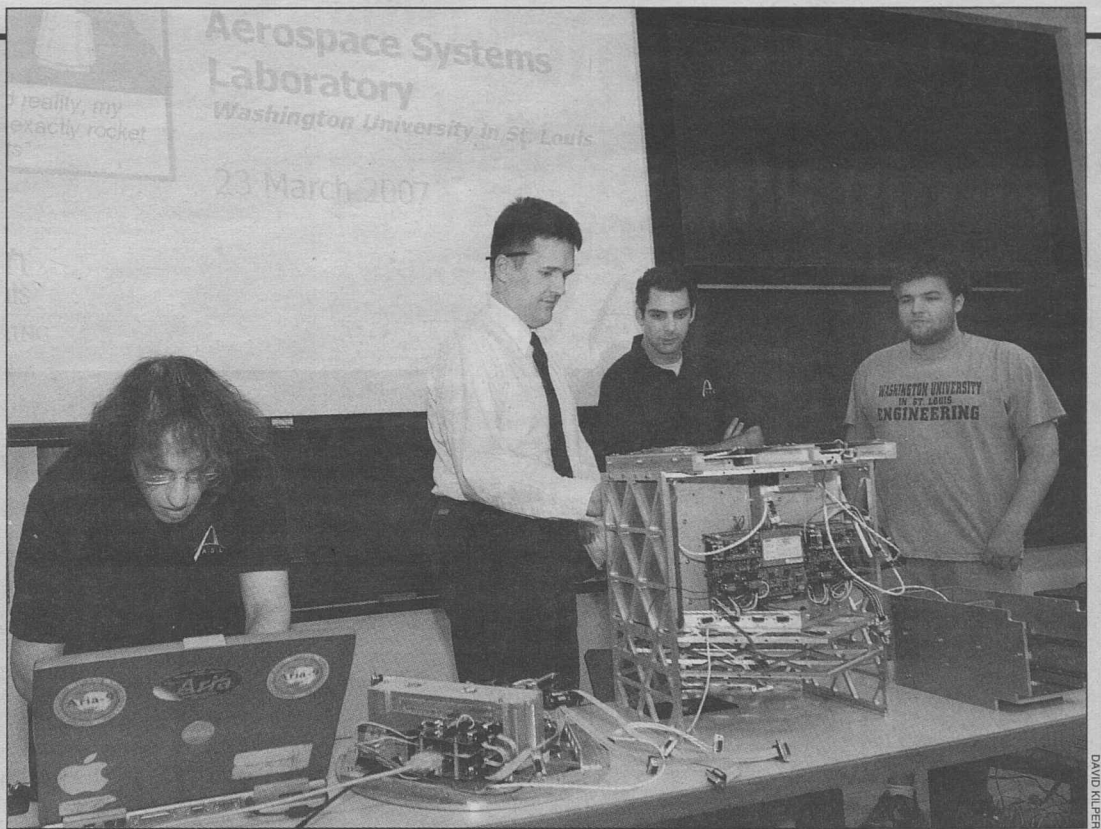
However, the researchers found no difference in the rates at which all the types of rewards — money, candy, soda and beer — are discounted if the rewards are probabilistic, meaning there is only a chance that one will get the reward (say, a 50 percent chance).

So, although delayed rewards and probabilistic rewards may seem similar as far as "risk," the way people think about their choices is different.

In addition, while previous researchers claimed that abused substances, such as alcohol, have an inherent quality that makes them steeply discounted, this research suggests that abused substances may be discounted at the same rate as other directly consumables, at least by people without substance-abuse problems.

The research helps clarify factors that influence choices involving retirement plans, certificates of deposit and others, as well as aiding in identifying weaknesses in the decision-making processes.

The researchers suggest that such understanding may enable people to make better choices — those that lead to greater benefits in the long run.



It's in the stars (From left) Engineering junior Forrest Rogers-Marcovitz; Michael A. Swartwout, Ph.D., assistant professor of mechanical and aerospace engineering; alumnus Brian McDaniels (MSME '06); and engineering junior Lane Haury prepare a demonstration of their nanosatellite duo March 23 in Cupples II Hall. The group was part of a team that created Akoya, a mother ship, and Bandit, a smaller satellite that docks on Akoya to recharge. On March 27, Swartwout and the students made the same presentation in Albuquerque, N.M., to the American Institute of Aeronautics and Astronautics and the U.S. Air Force to convince them to take the satellites on a future mission. In a close contest, the project took second out of 10 entries in the Nanosat-4 Competition; Cornell University came in first. The Bandit/Akoya project, which involved more than 100 students from various University schools, will be presented to the aerospace industry at the Small Satellite Conference in August.

Activist Brown Trickey speaks for Assembly Series

BY KURT MUELLER

Social activist, educator and one of the Little Rock Nine, Minnijean Brown Trickey will present "Return to Little Rock" for the Women's Society annual Adele Starbird Lecture at the Assembly Series at 11 a.m. April 11 in Graham Chapel.

This year marks the 50th anniversary of the event that made Brown Trickey part of American history.

In September 1957, three years after the U.S. Supreme Court ruled in the Brown v. the Board of Education case that racial segregation was unconstitutional, Little Rock Central High School in Little Rock, Ark., remained segregated.

Gov. Orval Faubus employed the Arkansas National Guard to enforce segregation by surrounding the school, barring entrance to nine African-American students.

For three weeks, the Little Rock Nine, as the students became known, attempted to attend classes. But it wasn't until President Eisenhower called on U.S. Army troops to escort the students into school that that goal was met.

Brown Trickey was one of those students. She suffered vicious harassment and humiliating attacks from white students. When she reacted to the insults by dumping food on her assailants, she was expelled from school. Fearing for her safety, her parents sent her to live in New York.

She graduated from high school in 1959 and went

on to attend Southern Illinois University with the goal of becoming a journalist and addressing social change.

As an act of protest against the Vietnam War, she and her husband moved to Canada. She earned a bachelor of social work in native human services at Laurentian University in Sudbury, Ontario, and a master of social work at Carleton University in Ottawa, Ontario.

Brown Trickey taught social work at Carleton as well as various community colleges in Canada.

From 1999-2001, she served in the Clinton administration as deputy assistant secretary for workforce diversity at the U.S. Department of the Interior, where she worked to improve understanding of and commitment to diversity within the various bureaus of the department.

For nearly 50 years, Brown Trickey has fought for the rights of minority groups and the dispossessed. She meets with students, teachers and civil rights groups at schools across the country and talks about non-violence, social change, family, community and the ways in which we are all connected.

She is known as an expert diversity consultant and has studied nationally and internationally in feminist research, anti-racism, and cross-cultural and organizational change.

Once again, Brown Trickey lives in Little Rock, where she supports and participates in the educational programming of the Little Rock Central High School National Historic Site.

The lecture is free and open to the public.

For more information, call 935-4620 or visit assemblyseries.wustl.edu.



Brown Trickey

Scholars

— from Page 1

Moinester plans to apply for an internship with the Environmental and Energy Study Institute as part of the scholarship foundation's 2008 Washington Summer Institute. He plans to pursue graduate degrees in public administration and in agricultural, environmental and nutritional science.

After graduation, he has an interest in working with the Grass-Roots Action Center for the Environment, an organization that focuses on creating a sustainable American food system by educating consumers about sustainability issues and mobilizing them to

Money

— from Page 1

than delayed monetary rewards.

For example, given the choice between an amount of soda right away and \$50 worth of soda in six months, most people would take the soda now, even if it were significantly less than \$50 worth. In doing so, they discount the delayed reward.

By contrast, given a choice between an amount of money right now and \$50 in six months, most people would not discount the delayed money nearly as much as the soda.

Delayed money was discounted less steeply than beer, candy and soda. Those three consumable products all were discounted at approximately the same rate, Green and Myerson found.

So what makes money different from directly consumable goods?

"Money retains its utility despite the inconstancy of desire," Green said. "Money can be exchanged for almost any other reward that one might want, but the desire for beer, candy or soda is dependent upon a number of factors that vary over time: hunger, thirst, etc."

Thus, the average person exer-

Mantle

— from Page 1

used, is to analyze the way waves damp out from their source.

If a hammer is pounded on a desk covered with water, waves will go from the source to the end of the desk, with the mass of the desk lessening the power of waves. A picture near the striking point might topple, but a stapler two feet away might not even budge.

Such attenuation data tell seismologists how stiff a region is, which is a function of how hot it is and how much water it contains. Looking at the seismic wave speeds and attenuation at the same time can tell whether an anomaly is due to temperature or water.

In analyzing the data, Wyssession first saw large patterns associated with known areas where the ocean floor is sinking down into the earth. Beneath Asia, the fallen Pacific sea floor piles up at the base of the mantle. Right

above that, he observed what he described as an "incredibly highly attenuating region that is both very damping and slightly slow."

"Water slows the speed of waves a little," Wyssession said. "Lots of damping and a little slowing match the predictions for water very well."

Previous predictions calculated that a cold ocean slab sinking into the earth at 1,200-1,400 kilometers beneath the surface would release water in the rock that would escape the rock and rise up to a region above it, but this was never previously observed.

"That is exactly what we show here, the exact depth and high attenuation amounts right above it," Wyssession said. "I call it the Beijing anomaly. Water inside the rock goes down with the sinking slab, and it's quite cold. But it heats up the deeper it goes, and the rock eventually becomes unstable and loses its water. The water then rises up into the overlying region, which becomes saturated with water."

"If you combine the volume of this anomaly with the fact that the

rock can hold up to about 0.1 percent of water, that works out to be about an Arctic Ocean's worth of water," he added.

The availability of vast amounts of digital seismograms made possible the discovery by Wyssession and Lawrence, who wrote thousands of lines of computer code to do the analyses.

Seventy percent of Earth is covered by water, which is important for the Earth's geology. Water serves as a lubricant that allows efficient convection and plate tectonics and the continental collisions that form mountains.

"Water is like a lubricant, constantly oiling the machine of mantle convection, which then drives plate tectonics and causes the continents to move about Earth's surface," Wyssession said.

"Look at our sister planet, Venus," he added. "It is very hot and dry inside Venus, and Venus has no plate tectonics. All the water probably boiled off, and without water, there are no plates. The system is locked up, like a rusty Tin Man with no oil."

Notables

Sam Fox School honors distinguished alumni

The Sam Fox School of Design & Visual Arts honored five outstanding architecture alumni at its 14th annual Distinguished Alumni Awards Dinner March 29 at the Coronado Ballroom.

The Distinguished Alumni Awards recognize architecture graduates who have demonstrated creativity, innovation, leadership and vision through contributions to both the practice of architecture and the School.

"These awardees are selected by a group of alumni and faculty for their outstanding professional achievements," said Bruce Lindsey, dean and professor of Architecture. "They serve as a model for our students and as an example of the kind of professionals our program seeks to develop. In this way, these individuals are not only a part of our history, but also an invaluable part of our future."

Distinguished alumni for 2007 are **Thomas A. Dutton** (MAUD '77) of Oxford, Ohio; **George Nikolajevich**, FAIA (March '78) of St. Louis; **Gene Schnair**, AIA (BArch '73, MArch '76, MBA '76) of San Francisco; and **Laurie A. Sperling**, CPSM (March '79) of St. Louis.

In addition, **Erik G. L'Heureux**, AIA, LEED (B.A. '96) of New York received the 2007 Young Alumni Award.

Dating back to 1910, the Sam Fox

School's College of Architecture/Graduate School of Architecture & Urban Design was one of eight founding members of the Association of Collegiate Schools of Architecture. In 1962, it launched one of the nation's first Master of Urban Design programs. Four winners of the Pritzker Prize, considered architecture's highest honor, have taught at the school.

Dutton is an architect and professor of architecture and interior design at Miami University in Oxford. His research focuses on the connections between critical pedagogy, architectural education, urban theory and social practice, while his Over-the-Rhine Design/Build Studio focuses on rehabilitating housing in that inner-city Cincinnati neighborhood.

He coedited "Reconstructing Architecture: Critical Discourses and Social Practices" (1996) and edited "Voices in Architectural Education: Cultural Politics and Pedagogy" (1991). He has twice served on the Board of Directors of the Association of Collegiate Schools of Architecture (ACSA) and received many awards for teaching, including the ACSA's Creative Achievement Award.

Nikolajevich is a design principal for Cannon Design in St. Louis. He is the recipient of 28 awards from the American Institute of Architects (AIA), and in 1999 was

elected into the AIA's College of Fellows for Design Excellence.

His work, devoted predominantly to health-care and educational clients, demonstrates an affinity to that of the great Finnish architects Erik Gunnar Asplund and Alvar Aalto, particularly in their sculptural forms and economy of materials. His work is published nationally, and in 2004 and 2005 he received American Architecture Awards from the Athenaeum, Chicago Museum of Architecture.

Schnair is a managing partner for Skidmore, Owings & Merrill (SOM) LLP's West Coast practice, and specializes in the management of large-scale, complex projects. His project experience includes San Francisco's Civic Center Complex, Beijing's Finance Street and the new U.S. Embassy in Beijing, which is the largest embassy project ever undertaken by the Department of State.

He also was project manager for Canary Wharf in London, the largest commercial development in Europe, and was responsible for establishing SOM's offices in Hong Kong and Shanghai. He is the recipient of numerous awards, most recently an AIA National Honor Award (2007) for the University of California, Merced Central Plant.

Sperling is co-founder and principal of Health, Education Research Associates Inc.

(HERA), a firm delivering expert programming, planning and consulting services for a range of global laboratory clients. Founded in 1996, HERA is the only women-owned business in the country specializing in laboratory planning and design services, with offices in St. Louis, Philadelphia and Atlanta.

Sperling's project experience includes university teaching and research laboratories; forensic/medical examiner facilities; academic medical laboratories; R&D facilities; and clinical core laboratories. She has written articles for publications such as the "R&D Magazine Handbook" and Laboratory Design Newsletter.

L'Heureux is a senior designer and associate at the New York office of Perkins Will, as well as principal of Syndicate Architecture Office PLLC, based in Singapore and New York. A LEED-accredited professional, he has practiced throughout North America, Asia and the Middle East and received numerous awards, including Interior Design's Best of the Year Merit Award for 2006.

Since 2001, L'Heureux has served as an adjunct assistant professor for the Irwin S. Chanin School of Architecture at the Cooper Union. Current projects include a 750,000 square-foot mixed-use development in Jeddah and a 30-story tower in Riyadh, both in Saudi Arabia.

Faculty promotions, appointments, tenure granted

At recent Board of Trustees meetings, the following faculty members were promoted with tenure, appointed with tenure or granted tenure effective July 1, 2007, unless otherwise noted.

Promotion with tenure

Mark Alford, to associate professor of physics

Paul F. Austin, to associate professor of surgery, effective Jan. 1, 2007

Nathan A. Baker, to associate professor of biochemistry and molecular biophysics, effective July 1, 2006, with tenure effective Dec. 1, 2006

Thomas J. Baranski, to associate professor of medicine

Joe E. Barcroft, to associate professor of Spanish and secondary learning acquisition

Perry E. Bickel, to associate

professor of medicine

Christopher A. Bracey, to professor of law

Lingchei Letty Chen, to associate professor of Chinese language and literature

Zhoufeng Chen, to associate professor of anesthesiology, effective Feb. 1, 2006, with tenure effective Dec. 1, 2006.

Michael R. Chicoine, to associate professor of neurological surgery, tenure effective Oct. 6, 2006

Matthew B. Dobbs, to associate professor of orthopaedic surgery, effective Jan. 1, 2007, with tenure effective March 2, 2007

Matthew Erlin, to associate professor of Germanic languages and literatures

Timothy A. Graubert, to associate professor of medicine

Robert O. Heuckeroth, to associate professor of pediatrics, effective Sept. 1, 2006 with tenure effective Oct. 6, 2006

Catherine C. Keane, to associate professor of classics

F. Scott Kieff, to professor of law

Henric Krawczynski, to associate professor of physics

Katharine Kuharic, to associate professor of art

William R. McKelvy, to associate professor of English

Andrew Rehfeld, to associate professor of political science

Rick W. Wright, to associate professor of orthopaedic surgery, effective Jan. 1, 2007, with tenure effective March 2, 2007

Appointment with tenure

Jeffrey F. Peipert, as professor of obstetrics and gynecology and

as vice chairman of clinical research in obstetrics and gynecology, effective Jan. 1, 2006, with tenure effective Oct. 6, 2006

Granting of tenure

Allan Doctor, as associate professor of pediatrics, effective Oct. 6, 2006

Hong Liu, as associate professor of finance

Obituary

Cary, 74

John M. Cary, M.D., an instructor in clinical medicine since 1958, died of cancer Thursday, March 15, 2007, at St. Lukes Hospital in Chesterfield, Mo. He was 74.

Campus Authors

Edited by Amanda Moore McBride, Ph.D., assistant professor, and Michael Sherraden, Ph.D., the Benjamin E. Youngdahl Professor of Social Development, both at the George Warren Brown School of Social Work

Civic Service Worldwide

M.E. Sharpe (2006)

"Civic Service Worldwide," a comprehensive collection of the latest research and policy developments in civic service worldwide, provides an informed assessment of what works and what doesn't work in the field.

With contributions from some of the discipline's best-known global leaders, it presents a conceptualization and operational definition of civic service that allows for variations across nations and cultures.

"Civic service is arguably a relatively new field with most programs having only been developed in the last 30 years," McBride says.

"This book frames the common elements of service whether it's local, national and international and allows us to compare service across nations and cultures."

In addition to offering a perspective on the history and potential for civic service from its roots in military service, the book summarizes the effects of national service in diverse countries, and identifies important developments in service, including service across the lifespan and transnational service.

The editors and contributors also address key questions and promising theoretical and methodological approaches for advancing knowledge in the field.

The collection received advanced praise from many service

Civic Service Worldwide

Impacts and Inquiry

Edited by
Amanda Moore McBride and Michael Sherraden

ice experts, including Robert Leigh, senior policy specialist at United Nations Volunteers.

"Civic service, including volunteering, has enormous potential to enhance the economic and social well-being of nations and contribute to the maintenance of peace," Leigh says.

"Citizen participation as an essential feature of effective democratic governance is increasingly seen as being central to human development. This book makes a most welcome and timely contribution to policy makers and practitioners alike, while also providing pointers for further research in this field."

- Jessica Martin

Sports

Pitching leads baseball team to four victories

The baseball team went 4-0 last week. On March 27, the Bears were led by senior lefthander Andy Shields, who climbed to third on the WUSTL career wins list with a 5-2 win against Maryville University.

In his sixth complete game of the season, Shields (6-1) struck out four and walked seven, but allowed just one earned run and six hits. The next day, the Red and Green upended MacMurray College, 15-4, on the road as the Bears pounded out 13 hits.

On April 1, WUSTL defeated Knox College 7-2 and 8-4 to bring its winning streak to nine games. Sophomore Brian Williams struck out nine Knox batters and allowed just five hits en route to the win in Game 1. Williams improved to 6-1 and notched his fourth complete game of the year. Seniors Arden Farhi and Eddy Hoering paced the Red and Green offensively.

Freshman Zach Richter added another complete game in Game 2, improving his record to 3-0.

Sagartz throws perfect game in 17-0 win

The softball team swept a double-header at Greenville College March 28, winning Game 1, 17-0, and the nightcap, 6-1.

Senior pitcher Laurel Sagartz

hurled a perfect game in the opener, going five innings and striking out 11, while improving to 10-1. The perfect game was the fourth in school history, while the no-hitter marked the ninth in program history.

Senior Abby Morgan picked up the win in Game 2 for the Bears (15-5). Morgan went five innings, allowing three hits and one earned run, to even her record at 3-3. The Bears recorded a season-high 15 hits in the second game.

On April 1, WUSTL upended Millikin University, 8-0, and Fontbonne University, 12-4, both in six innings.

Women's track takes invitational; men 6th

The men's and women's track and field teams turned in many strong performances at the WUSTL Invitational. The women won the 13-team meet, while the men placed sixth in a field of 18 teams.

Sophomore Alli Alberts highlighted the women during the first two days of the meet. She took second place in the heptathlon with a school-record breaking performance.

Alberts totaled 4,285 points to provisionally qualify for the NCAA Championships and break the old WUSTL record by 40 points. Among her strong performances in the competition, she placed first in the 800 meters (2:25.72), second in

the long jump (4.81 meters, 15-9 1/2), third in the javelin (33.15 meters, 108-9) and high jump (1.57 meters, 5-1 3/4), and fourth in the 100 hurdles (15.91).

Senior Natalie Badowski added an NCAA provisional qualifying mark in the 800 meters, finishing second in 2:13.90. Senior Delaina Martin turned in a strong performance in the hammer throw, narrowly missing an NCAA provisional mark by less than one meter. She won the event with a throw of 45.07 meters (147-10).

Juniors Abbey Hartmann and Lisa Sudmeier paced the women's distance runners for WUSTL, finishing second (4:46.16) and third (4:50.02), respectively, in the 1,500-meter run.

On the men's side, junior Jesse McDaniel cleared the provisional standard by posting a time of 31:13.33 in the 10,000 meters, which was good for second place. Sophomore Kevin Opp took sixth in the 1,500 meters with a time of 4:00.30, while senior Ryan Lester notched a season-best time of 1:57.04 in the 800.

In the sprints, freshman Iby Umana cleared the 50-second mark in the 400-meter dash, taking fourth in 49.93. Additionally, the 4x400-meter relay squad posted a time of 3:18.85, missing the WUSTL record and a NCAA provisional mark by a little more than a second.

Washington People

BY SHULA NEUMAN

Rosemary Gliedt would have you believe that she's a boring person. But it's difficult to trust her evaluation, especially after hearing her talk about her travels, her family, her work and her studies.

She is a woman who has bitten off a lot of life to chew but doesn't seem to have any problem swallowing it all.

Gliedt is manager of the Skandalaris Center for Entrepreneurial Studies, which is in the John M. Olin School of Business but serves students across the campus. Gliedt's academic background is solidly liberal arts; she earned an undergraduate degree in English from Maryville University. So, she was a bit surprised to find herself working for Edward Jones straight out of college.



(From left) Teddy Purnomo, Rosemary Gliedt, Adam Schneider and Maggie Watson enjoy a laugh at the John M. Olin School of Business. Gliedt is credited with helping keep the Skandalaris Center for Entrepreneurial Studies running smoothly. "The center does a lot of things, and it wouldn't operate without everything Rosemary does," Ken Harrington says. "She really keeps things on the rails."

'Being in the middle of things'

Rosemary Gliedt helps keep the Skandalaris Center moving forward

"It was never really a great fit for me," Gliedt recalls. "It was all about business, and I had this liberal arts background. It just took me 13 years to figure that out."

Despite her misgivings, those 13 years were hardly wasted. She rose from being a clerk to eventually supervising the margin department. When her daughter was born, she knew it was time to cut back her working hours and perhaps find a place that better suited her.

As it turned out, Gliedt fell into another business environment, but this time the fit was nearly perfect. Gliedt started working at the business school part time in the dean's office. The situation was ideal because it allowed Gliedt to work in the mornings and spend time with her daughter in the afternoons.

When her daughter was older, Gliedt decided to look for a full-time position at the University. That's when she landed a job in the Center for Experiential Learning (CEL), where part of her duties included working with the Skandalaris Entrepreneurship Program, as it was known at the time.

About a year after she joined the CEL, WUSTL was one of eight universities to receive grants totaling \$25 million from the Ewing Marion Kauffman Foundation in Kansas City, Mo.

The mandate: create a new model for entrepreneurial education that followed a multi-discipline, cross-campus theme to involve a diverse population of students and faculty.

The Skandalaris Center for Entrepreneurial Studies was born, and Gliedt was on board from the start. As the center grew, so did Gliedt's responsibilities. Between 2003-06, the center grew from two to nine people.

Gliedt's role is to manage the activities in the Skandalaris Center.

"I enjoy being in the middle of things and knowing what's going on in all our programs and activities. I like coordinating people, working with students, and seeing the growth in the ideas and projects in our competitions. I like knowing pretty much what's going on everywhere — to have an overview of everything."

Ken Harrington is the managing director of the Skandalaris Center and a senior lecturer in entrepreneurship. He has worked with Gliedt for the past six years and is quick to praise her work.

"The center does a lot of things, and it wouldn't operate without everything Rosemary does," Harrington says. "She really keeps things on the rails."

Juggling events

In FY 2006, the Skandalaris Center averaged one event per week, which means the center is perpetually coordinating any one of a myriad of activities: the Olin Cup competition, an IdeaBounce event, Coffee With the Experts, a YouthBridge workshop or a Science Frontiers event. Even though there are eight other people working on the various components, Harrington says Gliedt can always be relied on to pull it all together.

"Last week was a good example of the volume of things going on," Harrington recalls. "We had four of the sponsors and donors for the Social Entrepreneurship and Innovation Competition (SEIC) in the office to go over the 24 SEIC submissions we had this year and select the semi-finalists."

"There are 12 people judging the competitors' executive summaries. Each judge was asked to rate the summaries based on 18 criteria," Harrington continues. "Rosemary captured all the data,

generated the forms and had it all ready to go for the meeting. In two hours, we were able to select our semi-finalists. The meeting certainly would have lasted much longer without her working with the staff to organize and assemble the data from the evaluation forms. Not only that, but the feedback from all of the judges was given to each contestant within 48 hours. That's unbelievable turnaround."

Even 10 years ago when Gliedt was still working in the dean's office, she displayed a talent for getting the job done. Elaine McClary, who is assistant to the current business school dean, Mahendra R. Gupta, Ph.D., recalls Gliedt's diligence as well.

"There is so much detail in the information we have to manage here, and Rosemary never missed a thing. We never had to worry about getting something done because we knew Rosemary would help us handle it," McClary says.

It was a sad day when Gliedt left the dean's office, McClary says, "but we still get together for lunch and keep each other posted on whatever is going on. She's been a great friend to have to this day."

Gliedt's ability to keep the train running at the Skandalaris Center is all the more impressive because she also has been pursuing a master's degree in nonprofit management from University College in Arts & Sciences.

She had worked at the University for six years before she considered taking courses. Then Stacy Jackson, a former professor at the business school who directed the CEL, got her thinking about it.

"The nonprofit management program interested me the most," Gliedt says. "At the time, I was working with a lot of the community programs in the CEL. I took a course in nonprofit management out of curiosity and really liked it. So, I kept going and expect to finish up this May. I'm looking forward to Commencement and 'graduating' with many of the students in the entrepreneurship program I've come to know."

Her studies have helped her get to know a lot of people in St. Louis' not-for-profit world, which has benefits for her current job. Some of the speakers and teachers from her courses have helped her

establish contacts for the Social Entrepreneurship and Innovation Competition.

A daughter's inspiration

Although Gliedt's diligence in her work and studies are admirable, she remarks that one of her greatest sources of inspiration is her daughter, Mary Kate, a sophomore at Cor Jesu Academy.

One of Mary Kate's interests is a love of Irish music and culture. Gliedt grew up with an interest in her Irish heritage and is proud to have passed that along to her daughter, whose fascination with it has grown from the time Gliedt and her husband, Leo, took Mary Kate to Ireland for the first time about four years ago.

"It's very cool," Gliedt says. "She's been to Ireland twice now, and she dances for the Clarkson School of Irish Dance. We've taken her up to Milwaukee several times for the Irish festival they have every August. We took her for the first time when she was about five, and her interest and enjoyment in the culture has really grown."

"She has a devotion to her interest that makes me very proud," Gliedt adds. "Leo is the parade chairman for the Clarkson School, and this week our float received the award for best overall in the downtown St. Patrick's Day parade."

Gliedt enjoys bringing Mary Kate to campus. Like her mother, Mary Kate has developed a fondness for WUSTL. When she was younger, Mary Kate joined Gliedt for "Take Our Daughters to Work Day" and enjoyed basketball games or other campus events. Now, when Gliedt needs to come in to work on a weekend, her daughter enjoys tagging along and doing her own homework, wandering around campus or browsing in the bookstore.

Gliedt expresses great affection for the University — and not only because of her job.

"In the past five years, my mother and two of my sisters have faced serious health problems," Gliedt says. "They're all doing well now, but during the ordeal, I was grateful for my friends here and appreciated the medical treatment my family received and the research going on at the med school. I'm proud to be affiliated with the University and to be a part of the great work being done on campus and in the community."

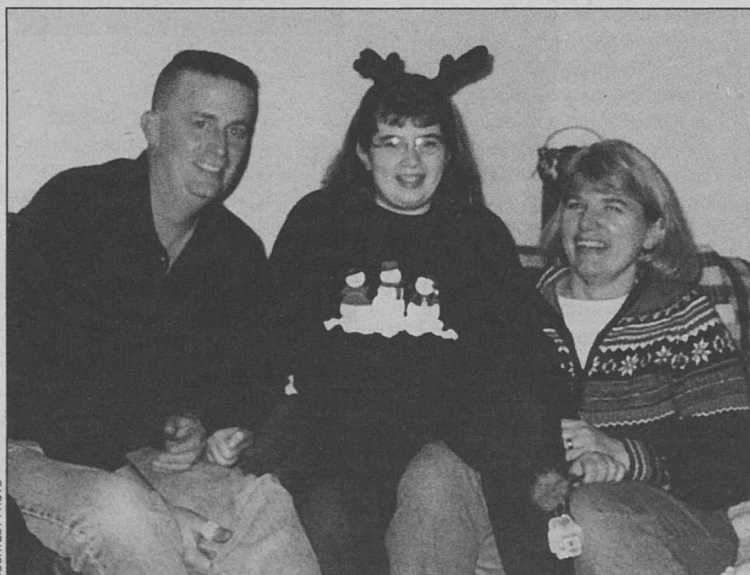
Rosemary Gliedt

Title: Manager of the Skandalaris Center for Entrepreneurial Studies

Family: Husband, Leo; daughter, Mary Kate, a sophomore at Cor Jesu Academy

Little-known facts: Her WUSTL connections go way back. Gliedt grew up in University City, spending the first 10 years of her life in a house on Parkview Place. That same house is now occupied by Kathleen Cook, academic coordinator in the Department of Anthropology in Arts & Sciences.

Gliedt met her husband 21 years ago at a bar called the Blarney Stone. The bar no longer exists; the couple is still going strong.



Rosemary Gliedt and her family (from left), husband, Leo, and daughter, Mary Kate.