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Record

Oct. 17, 2003

Volume 28 No. 10

Treasuring the Past



Washington University in St. Louis

Shaping the Future

Celebrating 150 Years

Safer steroids? Research may lead to new drugs

By MICHAEL C. PURDY

Scientists have identified a key component of steroids' effects on the immune system, a possible first step toward developing new drugs that can offer the same benefits as steroids without the many potentially serious side effects.

Louis J. Muglia, M.D., Ph.D., associate professor of molecular biology and pharmacology and of pediatrics, led a research team that published the new insight in the October issue of *Nature Medicine*.

By activating immune system cells known as T-cells, Muglia's team linked steroids to the suppression of an inflammatory compound known as cyclooxygenase-2 (COX-2). The compound acts as a kind of immunological lighter fluid, speeding and expanding a number of inflammatory processes designed to destroy harmful invaders.

When this immunological firestarting is misdirected at the body's own tissues, autoimmune and inflammatory diseases such as rheumatoid arthritis, lupus and inflammatory bowel disease can result.

Doctors have used steroids for decades to control such diseases, but not without costs. Side effects of high doses can include bone loss, obesity, diabetes, growth impairment and mood alterations.

"For many of these diseases, there's no alternative to steroids,"

See **Steroids**, Page 6



Muglia



Sophomore Adam Aigner-Treworgy works the controls during his show on KWUR 90.3 FM. He is one of about 60 disc jockeys who work at the station, located in the basement of the Women's Building.

Student-run KWUR: the little station that could

By NEIL SCHOENHERR

Did you know that the University has its own radio station? It's true.

Student-run KWUR 90.3 FM is housed in the basement of the Women's Building, but its signal is sometimes hard to pick up even on the South 40. Despite this, the station is gaining a loyal following.

In fact, it was recently named the best radio station in St. Louis by the *Riverfront Times*.

"The popularity of KWUR is growing because of the aggressive marketing campaign we've started," said Jim Hayes, coordinator for student media groups. "We are really starting to push the station,

and we've increased the ways people can listen."

Hayes mentioned that the station's signal is available on Channel 19 on local cable and on the Internet at kwur.wustl.edu.

"We are really excited to have more avenues for people to listen," he said.

Another reason for the station's popularity may be its wide-ranging playlist.

"I think one of the things that's so powerful about KWUR is that you can turn it on at any time of the day or night and hear many different types of music," Hayes said. "If you don't necessarily like what's playing, you can

See **KWUR**, Page 6

Math tool improves radiation oncology

By TONY FITZPATRICK

University researchers have developed a technique that drastically decreases the time a radiation oncologist spends calculating radiation oncology dosages and also provides a more carefully controlled dosage with less damage to nearby healthy tissues.

Victor Wickerhauser, Ph.D., professor of mathematics in Arts & Sciences, and Joseph O. Deasy, Ph.D., assistant professor of radiation oncology in the School of Medicine, have applied a mathematical tool called "wavelet analysis" to radiation oncology dose distribution simulations and have sped up the dose calculations by a factor of two or more over the standby "Monte Carlo" dose calculation method.

A paper describing the technique was published in a recent issue of *Medical Physics*. The research was supported by a grant from the National Cancer Institute.

Wavelet analysis is a harmonic analysis that is integral in analyzing and compressing data — video, sound or photographic, for instance — for a wide range of

applications.

"Instead of taking hours, it takes minutes," said Wickerhauser, a pioneer in wavelet analysis who has applied the tool to fingerprint analysis for the FBI, among many other applications. "The speed allows the radiation dose to be controlled more carefully, which will provide less damage to adjacent healthy tissues."

To get an accurate estimate of how much radiation should be given during a treatment, a dose distribution simulation first is performed. This involves a model of radiation particles that simulates how the particles scatter over each other and other molecules.

The Monte Carlo dose calculation method requires calculating 100 million particles to come up with a simulated dose. Wickerhauser and Deasy have used wavelets to speed the calculation up to where only 1 million to 4 million particles are needed to come up with the simulation.

The technique of simulating radiation oncology dose distributions has long been a mainstay in radiation oncology because radi-

See **Math tool**, Page 6

Pictorial history book marks 150th; orders now being taken

By ANDY CLENDENNEN

In celebration of the 150th anniversary of the University's founding in 1853, the University is publishing a new history book, *Beginning a Great Work: Washington University in St. Louis, 1853-2003*, written by Candace O'Connor.

The book will be available early next year, but pre-orders are now being accepted at a discounted price.

Former University Provost Ralph E. Morrow, Ph.D., authored *Washington University in St. Louis: A History*, a book that ended at July 1, 1995, when Chancellor Mark S. Wrighton assumed office.

While Morrow's tome primarily chronicles the administrative history of the University, *Begin-*

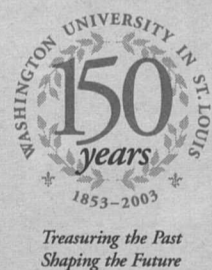
ning a Great Work takes an anecdotal approach to focus on the people and events that have shaped the institution.

More than 500 pictures and illustrations will be included in the new book.

O'Connor is an award-winning writer, editor and documentary producer. She has written extensively for regional and national magazines and newspapers, as well as for corporations and health-care institutions.

The founding editor in chief of Missouri Historical Society Press, O'Connor has edited, substantially revised and co-authored a number of books. She has also contributed to the *Washington University in St. Louis Magazine*,

See **Book**, Page 6



This Week In WUSTL History

Oct. 20, 1900

The cornerstone was laid for Busch Hall, the first building on the Hilltop Campus, which was completed in 1903. This building first served as headquarters for the architects and engineers employed by the 1904 World's Fair. The University occupied the building in 1905.

Oct. 22, 1854

O'Fallon Evening School opened for classes at the Benton School House in downtown St. Louis — the first of the new University's divisions to do so. Courses were offered in arithmetic, algebra, reading, grammar, declamations and, if needed, writing and spelling.

This feature will be included in each 2003-04 issue of the Record in observance of Washington University's 150th anniversary.

Parents Weekend, Homecoming to include numerous events

By NEIL SCHOENHERR

The weekend of Oct. 17-19 will combine the Sesquicentennial anniversary observance, Homecoming and Parents Weekend for a unique celebration of the University community.

For Parents Weekend, registration and check-in begins at 8:30 a.m. today at Umrath Lounge in Umrath Hall. Parents are then invited to join their son or daughter in class or to visit a variety of other classes throughout the day.

Health Fair 2003 will take place in Mallinckrodt Student Center from 9 a.m.-3 p.m. today. The fair allows parents and students to collect information and talk to experts about a wide range of health, fitness and nutrition topics.

Chair massages and 400 free flu shots are available to students on a first-come, first-served basis courtesy of Student Union. Students who miss the free flu shots can receive a flu shot for \$10 and visiting parents can pay \$15.

Similar to last year, flu shots will not be available for faculty and staff at the Health and Wellness Fair but will be available on the Hilltop Campus Oct. 28 and at West Campus Oct. 30. (More information will be in an upcoming *Record*.)

Parents will have two opportunities to learn more about the Freshman Reading Project, which centered on a book of common readings that each freshman received this summer. From 2-3 p.m. today in Friedman

Lounge in Wohl Student Center, Daniel Shea, Ph.D., professor of English in Arts & Sciences, will speak about his experiences with the project and engage parents in a discussion of the issues addressed with new students.

Andrea Heugatter, assistant director and recruiting coordinator for Engineering Student Services, will lead a similar discussion from 3-4 p.m. Oct. 18 in Friedman Lounge.

Chancellor Mark S. Wrighton

See **Weekend**, Page 6

Lewis the robot, now a 'grad student,' wins award

By TONY FITZPATRICK

Lewis the robotic photographer recently added "graduate student" to his impressive resume when the robot gave a spoken presentation to computer scientists worldwide and local attendees at the American Association for Artificial Intelligence (AAAI) 2003 annual meeting in Acapulco, Mexico.

Not only did Lewis, the world's first robotic photographer, make a "canned" spoken presentation — made possible by its inventors' installation of a sound card — the 300-pound compilation of technology found the registration desk, asked for directions to his presentation room and then navigated himself to the room and to the speaker's dais, where he gave his presentation.

He did all of this on his own, without any outside intervention. One of his inventors, William

D. Smart, Ph.D., assistant professor of computer science and engineering, served as Lewis' assistant by changing graphic material on a screen for him during the talk.

Lewis' achievements gave Washington University the Robot Challenge Championship Award and the Ben Wegbreit Award for Integration of AI (artificial intelligence) Technologies, given to the team demonstrating the best integration and effective usage of AI techniques situated on a robot.

Washington University's team, comprising Smart, Cindy M. Grimm, Ph.D., assistant professor of computer science engineering, and four undergraduate and two graduate students, beat a blended team of researchers from Carnegie Mellon and Northwestern universities, Swarthmore College, the Naval Research Laboratory and Metrica TRAC Labs, a National Aeronautics and Space Administration

contractor.

Smart and Grimm are to Lewis what Dr. Frankenstein was to his big guy. Grimm is co-director (along with Smart and Assistant Professor Robert Pless, Ph.D.) of the University's Media and Machines Lab, dedicated to the study of computer graphics, computer vision, mobile robotics and machine learning. This lab is Lewis' home.

"I was delighted that everything worked so well and came together so beautifully," Smart said. "Lewis gave a very solid performance and managed the whole event without any help. The audience included a lot of locals from Acapulco, who were quite bemused by it all."

"I think that part of the reason we did so well is that we had a small, tightly knit team of students working on the project. The other team had a lot of trouble integrating work from its differ-

ent institutions together, a problem we didn't have."

Smart explained that five years ago, planners of the AAAI came up with the idea of developing a robot competition that would serve as a showcase for current cutting-edge research in the field.

"At the time, nobody expected to be able to complete the whole challenge task, but we've made a lot of progress in the past few years," Smart said.

The robot started at the front of the convention center, and found its way to the registration desk by following signs with arrows on them.

Once it reached the desk, the robot was allowed to use a map of the conference center. The robot's navigation system uses sensor readings and techniques from

probability theory to allow the robot to estimate its position in a map.

Smart and his students spent a few hours before the competition supervising the robot as it built a map of the convention center in Acapulco. After reaching the registration desk, the robot used this map to plan a path to the location of his talk, and then navigated along that path.

What's next for Lewis?

"We're planning on using the system as a base for doing more research into long-term robot autonomy and interaction with people," Smart said. "We're currently talking with St. Louis Science Center about having the robot running down there for a week in November."

MacArthur network grant supports Pollak's research

By BARBARA REA

A \$550,000 grant from the MacArthur Foundation will allow the MacArthur Network on the Family and the Economy to finish its long-term research project investigating the dynamics of family functioning and the well-being of children born to unmarried parents.

Robert A. Pollak, Ph.D., the Herreich Distinguished Professor of Economics in Arts & Sciences and the Olin School of Business, co-directs the network. It brings together 13 scholars in economics, sociology, developmental psychology and public policy to advance understanding of the connections between families, labor markets and the economy as a whole.

The network seeks to have an impact on the way social scientists and policy-makers think about the relationship between families and the economy.

The funding represents the final award in a series of grants provided by the MacArthur Foundation to support the network's research. It will be used to complete a landmark multiyear study called "Time, Love and Cash Among Couples With Children" (TLC3).

"Studying unmarried parents is important because one-third of all U.S. children are now born to unmarried parents, yet scientific understanding of such families is weak," Pollak said. "Studying these relationships provides unprecedented opportunities to advance our understanding of some of the most vital domestic policy issues of our time, with profound implications for the well-being of current and future generations of Americans."

"TLC3 examines the complex relationships among father, mother and child, and the positive and negative factors that enhance or diminish the chances for a stable relationship."

Pollak noted that TLC3 and a related study, "Fragile Families and Child Well-being," are gaining prominence in the national debate over welfare and other policies that affect poverty, marriage and the well-being of children.

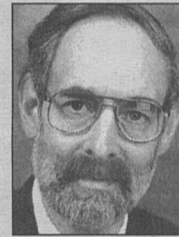
"Effective social policy must be based on a sound understanding of the social problems it seeks to address, yet our scientific understanding of the factors that forge strong and healthy adult bonds in low-income, unmarried couples is astonishingly thin," he said.

"TLC3 will make an enormous contribution to debates over policies intended to strengthen families and improve educational and other outcomes for children."

Pollak's work with the network is part of his longtime research focus on the demography and economics of the family. In 1995, he published a book on his research findings — *From Parent to Child: Intrahousehold Allocations and Intergenerational Relations in the United States* — with Jere Behrman and Paul Taubman.

He is working on a book on family decision-making and family bargaining.

In addition to this interest, Pollak has written on consumer demand analysis, environmental policy and the theory of the cost-of-living index. He is the author of more than 70 articles and serves on the editorial boards for a number of economic journals.



Pollak

Neighbors voice concerns, praise at annual meeting

By ANDY CLENDENEN

Construction brings headaches, hassles and harried drivers. But when done correctly, it also brings some accolades.

At the fifth annual "Report to the Neighbors" meeting Oct. 8 in Steinberg Hall, a panel of University administrators heard both concerns and praise for the way construction, parking and financial matters have been handled in the past year.

The panel featured Pat Barrett, a member of the Neighbors Council; Steve Hoffner, assistant vice chancellor for students and director of operations; James E. McLeod, vice chancellor for students and dean of the College of Arts & Sciences; Richard A. Roloff, executive vice chancellor; and Chancellor Mark S. Wrighton.

Leah Merrifield, director of community relations, moderated the meeting.

The majority of neighbors' concerns centered on the ongoing construction — how it has, and will, affect traffic patterns; what else is on the horizon as far as new buildings and renovations;

and parking issues.

Roloff and Wrighton addressed some of the concerns and said there is not any new additional construction planned for the immediate future, but several buildings would take "official" steps this year.

According to Wrighton, Uncas A. Whitaker Hall for Biomedical Engineering will be formally dedicated Oct. 20, and the ceremonial groundbreaking for the Sam Fox Arts Center will be April 14, with artist Frank Stella delivering the keynote address.

In addition, Wrighton said, the Olin Library renovation will be finished in the spring, with a May 7 dedication that will feature former Harvard University President Neil Rudenstine delivering the keynote address and the dedicating of a George Washington statue.

With the expansion of the University's holdings off campus, a concern was raised that some students have taken to parking in residential areas. Hoffner said expansion of the Snow Way Parking Garage would take place when construction of the

University Center begins, probably in two or three years.

Other neighbors praised the University for its attention to detail and safety during all phases of construction, and for supporting the installation of a traffic light at Lindell and Skinker boulevards, which was initiated by Lyda Krewson, 28th ward alderman for the city of St. Louis.

Additionally, the building at 276 N. Skinker Blvd. is all but completed, and Kayak's Coffee and Provisions has taken residence in one of the ground-floor spaces and is open for business.

The meeting began with a presentation by Darlene Norfleet, science program coordinator for Science Outreach, a program that connects the resources of the University to K-12 schools and the St. Louis community.

The program's goal is to enhance science teaching through hands-on investigative methods, especially for neighboring districts with a demonstrated need. The program reaches more than 15,000 students and 500 teachers each year.

PICTURING OUR PAST



Homecoming queen Betty Jo Bussman (right) and her court in 1965. Homecoming is always a ritual at colleges, and Washington University is no different. Here, Homecoming isn't just a day, it's an entire week. This year, Parents Weekend is just a part of the Homecoming festivities. On Oct. 18, Chancellor Mark S. Wrighton will talk about the undergraduate experience here as well as host several lunches and dinners for various groups; a tailgate party will start at 11 a.m.; and students will have several competitions. The big event of the weekend is, of course, the football game. This year, University Athletic Association rival University of Chicago will be in town for a noon kickoff at Francis Field. All other athletic teams are on the road this weekend.



Treasuring the Past
Shaping the Future

Washington University is celebrating its 150th anniversary in 2003-04. Special programs and announcements will be made throughout the yearlong observance.

Record

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Washington University in St. Louis

School of Medicine Update

Enhancing career development

Faculty retreat aspires to improve academic life for all departments

By **KIMBERLY LEYDIG**

With the ultimate aim of enhancing the academic life and career development of School of Medicine faculty members, the Executive Committee of the Faculty Council and the Academic Affairs Committee is inviting and encouraging all medical school faculty to attend the WUSM 2003 Faculty Retreat.

The interactive retreat will be held from 8 a.m.-3 p.m. Nov. 15 at the Eric P. Newman Education Center.

"The purpose of this retreat will be to enhance the environment at the School of Medicine by focusing on issues that further the career development of medical school faculty," said Larry J. Shapiro, M.D., executive vice chancellor for medical affairs and dean of the medical school.

"Because we operate in a dynamic and changing environment, we must maintain constant vigilance in order to reinforce the high standards for which the School of Medicine is known. And to do so, we must have the support and involvement of all faculty."

After more than a year of intensive planning, which included an extensive survey, the Retreat Planning Committee narrowed down key issues and top concerns facing medical faculty.

The five most frequently raised issues: Clarifying the criteria for promotion; improving the promotion process to ensure fairness and consistency; more effective implementation of the annual review process; establishing the best approach to mentoring; and improving faculty diversity, which includes ethnic, minority, gender and handicap issues.

Participants will choose to attend two of five discussion sessions, in which members will be divided into small breakout groups to foster in-depth discussions. The purpose of these sessions is to generate specific solutions and improvements that can



Storch

Gray

be implemented over the next 12-24 months.

"We encourage faculty members from all departments and all tracks to attend," said retreat committee Chair Gregory A. Storch, M.D., professor of pediatrics, of medicine and of molecular microbiology. "By working together, we can promote changes that will improve academic life for all faculty."

"We plan to create an environment where there is interaction amongst all parties in order to achieve constructive analysis and useful solutions."

LARRY J. SHAPIRO

The retreat also will mark the first time departments heads come together to answer questions related to the promotions process and faculty career development.

"Nothing like this has ever happened before," Storch said. "The open-panel discussion will offer faculty members the chance to ask questions and express their concerns to department heads. We are also very excited that the retreat will be the first occasion in which the new dean will formally address the medical school faculty."

In order to identify key issues for the retreat, the committee conducted an online survey (in which 32 percent of the medical school faculty participated) to better

understand faculty attitudes and perceptions. The results of the survey are detailed in a 53-page report, which includes advice to the new dean, career development issues and discussion of both faculty diversity and the enhancements generated by the first retreat, held in February 2000.

The 2000 retreat resulted in several positive changes: Annual reviews are now mandated for all medical school faculty; non-departmental-chair faculty are included on promotion committees; and research-track faculty now have parallel status with investigator and clinician-educator tracks.

Although the first retreat drew 270 faculty members, the participants reported the best way to improve future retreats was to increase attendance.

"Although the governance of our medical school was not designed to be a truly democratic process, faculty members often voice frustration at a perceived lack of knowledge about and influence over internal affairs," said committee member Diana L. Gray, M.D., associate dean for faculty affairs and professor of obstetrics and gynecology and of radiology.

"Participation in the faculty retreat is one mechanism whereby any individual faculty member may have compelling impact on School of Medicine policy. With this in mind, I sincerely hope that as many of our faculty members as possible will participate in this retreat."

In an effort to make the event as productive as possible, faculty members are encouraged to register early and to post comments and concerns related to the discussion topics online at wusmretreat.com before attending the retreat. A 26-page guide to the retreat is also available on the site.

After the retreat, faculty members will receive a detailed summary and will be able to evaluate and comment via an online survey. Ideas and proposals will then be forwarded to the Executive Committee of the Faculty Council, the Academic Affairs Committee and Shapiro, who will establish a mechanism to evaluate and implement the proposals deemed best for enhancing academic life.

"Our goal is to have as positive an impact on the School of Medicine campus as possible," Shapiro said. "We plan to create an environment where there is interaction amongst all parties in order to achieve constructive analysis and useful solutions."



Forming bonds Larry J. Shapiro, M.D. (right), executive vice chancellor for medical affairs and dean of the School of Medicine, welcomes Sen. Kit Bond, R-Mo., to the Medical Campus. Bond came to meet with leaders from the medical school and Barnes-Jewish Hospital to discuss the institutions' involvement in the nonprofit Center of Research, Technology and Entrepreneurial Expertise in Midtown. The center will focus on technology transfer to new companies and the creation of jobs in urban St. Louis.

Low receives grant to study how to maximize fat absorption

By **KIMBERLY LEYDIG**

To better understand how to maximize fat absorption in infants and combat obesity in adults, Mark E. Lowe, M.D., associate professor of pediatrics, has received a five-year, \$1.6 million grant from the National Institute of Diabetes and Kidney Diseases to study the molecular process of fat absorption in mice.

"The main goal of our research is to understand how fats are digested," Lowe said. "We hope that this knowledge will lead to novel therapies that could increase fat absorption in infants and decrease obesity in adults."

Lowe suspects that a protein called enterostatin has the potential to revolutionize adult weight management. Studies have shown that enterostatin can decrease the desire for fatty foods in mice and trigger weight loss.

For instance, mice naturally tend to choose high-fat meals over low-fat ones. However, when treated with increased amounts of enterostatin, mice

opt for low-fat meals and eat less than non-treated mice. There is also evidence that enterostatin might adjust the weight the body naturally maintains.

"That's one of the things that makes it very difficult to lose weight," Lowe said. "Most of the time when you go on a diet, you lose weight, but when you go back to your regular eating patterns, the weight comes back because that's how heavy your body wants to be. We think enterostatin might play a role in the regulation of that set point."

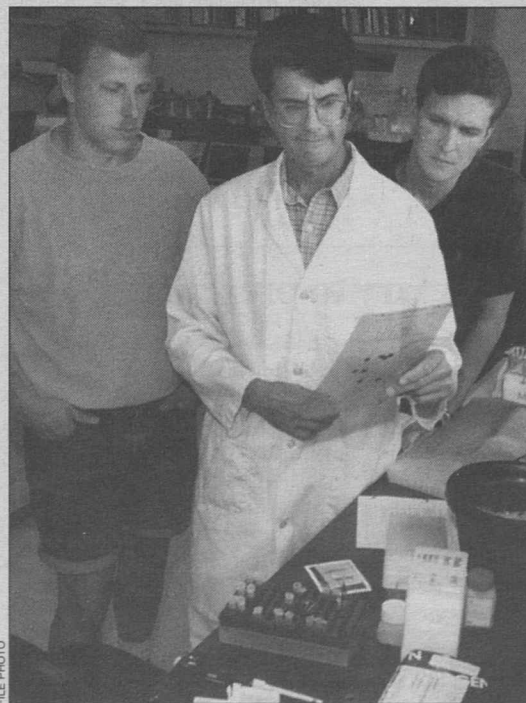
With this grant, Lowe will investigate the effects of enterostatin on newborn and adult mice to determine how the protein regulates body weight and whether it is necessary for survival. If found to be a safe and effective weight-loss aid, enterostatin could eventually be administered orally as a treatment for human obesity.

While many adults wrestle to decrease the amount of fat in their diets, infants struggle for access to as much fat as possible because babies rely heavily on fats to provide essential building blocks for their developing nervous system and growing tissues.

In order for absorption to occur, enzymes called lipases must first break down ingested fats into smaller pieces. Pancreatic triglyceride lipase, the most active lipase in children and adults, does not function in newborns.

Lowe aims to determine which lipases are responsible for breaking down fats in infants, which may lead to the development of better infant formulas.

"A better understanding of how enterostatin functions in infants may also very well lead to a new way of combating adult obesity," Lowe said.



Mark Lowe, M.D. (center), associate professor of pediatrics, works with students in the lab.

WUSM Retreat 2003 Agenda

- 7:30-8 a.m.:** Registration and breakfast
- 8-8:05 a.m.:** Greeting; Jeffery Saffitz, M.D., Ph.D.
- 8:05-8:20 a.m.:** Opening remarks; Chancellor Mark S. Wrighton
- 8:20-8:30 a.m.:** Overview of the retreat; Gregory Storch, M.D.
- 8:30-9 a.m.:** Keynote address; Dean Larry J. Shapiro, M.D.
- 9-9:30 a.m.:** Faculty promotion; Diana Gray, M.D.
- 9:45 a.m.-noon:** Breakout discussion groups
- Noon-1:30 p.m.:** Lunch & department head discussion panel
- 1:30-3 p.m.:** Summary reports from breakout sessions and voting

Early registration and pre-retreat comments are encouraged; go online to wusmretreat.com.

Weight loss and exercise study needs older volunteers

By **JIM DRYDEN**

University researchers are seeking overweight, older volunteers to investigate the effects of weight loss and physical training on quality of life, physical function and bone strength.

The study's principal investigator is Dennis Villareal, M.D., assistant professor of medicine. His team is recruiting people between 65-85 who weigh at least 40 pounds more than their ideal body weight. Study volunteers cannot have diabetes or heart disease.

"Exercise and weight loss can lower the risk of obesity-related problems in younger people, but we want to learn whether it has

the same protective effects in the elderly," Villareal said. "In older people, obesity can accelerate the decline in physical function and the loss of independence associated with the aging process."

Study volunteers will receive physical exams, blood and urine tests, an electrocardiogram and a treadmill test. They will also be asked to fill out several questionnaires to help measure quality of life, physical capabilities and limitations as well as cognitive function.

Those who qualify for the study will receive a further round of tests, including an X-ray screening that helps determine total body fat; magnetic resonance imaging to measure fat in

the abdomen, thighs and liver; and tests to measure flexibility, strength, balance and exercise endurance.

The volunteers will be divided into two groups: One will be asked to continue with their normal activities and diet, and a second group will be asked to try to lose 10 percent of their body weight. The second study group will participate in a weight-loss and exercise program.

All subjects will receive medical screenings and assessments at the start of the study, after six months and again at one year.

All medical tests are free for study volunteers. For more information, call study coordinator Marian Banks at 747-2627.

University Events

Boyd to address journalism's challenges for Freeman lecture

By BARBARA REA

Gerald Boyd, former managing editor of *The New York Times*, will deliver the Greg Freeman Legacy Lecture at 5:30 p.m. Oct. 21 in Graham Chapel. Boyd's talk is titled "Meeting Challenges in Journalism, From Race to Credibility."

Prior to Boyd's 20-year tenure at the *Times*, he worked for the *St. Louis Post-Dispatch*.

After graduating from the University of Missouri with a journalism degree, he began working for the paper as a copy-

boy in 1973. He worked his way up to be the newspaper's White House correspondent.

In 1983, he joined the *Times* and soon was a part of its national political team. After the 1984 presidential election, he became one of the paper's two White House correspondents.

In 1991, Boyd became a senior editor and was appointed special assistant to the managing editor. Soon thereafter, he was named metropolitan editor, managing a staff of more than 100 reporters and editors.

Throughout his career at both

papers, Boyd has won several awards and has had many reporters win a Pulitzer Prize under his editorial watch.

Boyd founded the St. Louis Association of Black Journalists in 1977 and served as its first president.

Throughout his career, Boyd has worked to increase the number of minority students in journalism. While in St. Louis, he established a journalism workshop for area high-school students, and he has taught journalism at Howard University and at the University of

Missouri's journalism workshop for minority students.

Boyd's lecture is being given in memory of Freeman, a *Post-Dispatch* columnist and host of an interview show called "St. Louis On The Air" on KWMU-FM.

A man who contributed much to St. Louis and its community, he was loved and respected by many for his insightful and compassionate words that called for understanding and inclusion. Freeman died at 46 in December.

A 1977 Arts & Sciences alumnus, Freeman was also known for

his contributions to the student newspaper *Student Life*, for which he served as co-editor in chief during the 1976-77 academic year. Later, he took a leadership role in establishing a new board and served as founding president of Washington University Student Media Inc., the nonprofit corporation that serves as publisher of *Student Life*.

Boyd's talk is free and open to the public.

For information on the event, as well as parking assistance, call 935-5285 or go online to wustl.edu.

Health Fair • Rebuilding Baghdad • I Love Lucy

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

Exhibits

History of Adult Education at Washington University, 1854-2004. Through May 31. January Hall, Rm. 20. 935-4806.

Influence 150: 150 Years of Shaping a City, a Nation, the World. Through Dec. 7. Gallery of Art. 935-4523.

Inscriptions of Time/Topographies of History: The Photographs of Alan Cohen. Through Dec. 7. Gallery of Art. 935-5423.

Matthew Carter Exhibit. Through Nov. 28. Des Lee Gallery, 1627 Washington Ave. 621-8735.

New Beginnings: The First Decade of the Washington University Medical Campus, 1915-1925. Through May 31. Glaser Gallery, Becker Medical Library, 7th Fl. 362-4236.

Film

Friday, Oct. 17

7 p.m. Gallery of Art Presentation. *Lone Star*. John Sayles, dir. Opening remarks by Lutz Koepnick, prof. of Germanic languages and literatures and of Film & Media Studies. Gallery of Art. 935-5423.

Lectures

Friday, Oct. 17

9:15 a.m. Pediatric Grand Rounds. "Molecular Imaging of Gene Expression and Protein Function in Vivo." David Pivnick-Worms, prof. of radiology and of molecular biology & pharmacology. Clopton Aud., 4950 Children's Place. 454-6006.

Noon. Cell Biology & Physiology Seminar. "Monogenic Cardiomyopathies Related to Defects in Cell-cell Junction Proteins." Jeffrey E. Saffitz, prof. of pathology & immunology. McDonnell Medical Sciences Bldg., Rm. 426. 362-3964.

1:30-3 p.m. Film & Media Studies Lecture. "I Love Lucy, Everybody Else Loves Raymond." Richard Chapman, senior lecturer in screenwriting. Co-sponsored by American Culture Studies. Brown Hall, Rm. 118. 935-4056.

4 p.m. Anatomy & Neurobiology Seminar. "Seeing in 3D: Contributions of Visual

Area MT to Stereoscopic Depth Perception." Greg DeAngelis, asst. prof. of anatomy & neurobiology. McDonnell Medical Sciences Bldg., Rm. 928. 362-7043.

7 p.m. Donald Danforth Plant Science Center Symposium. Annual Fall Symposium. "Mechanisms of Disease Resistance and Susceptibility." (Continues 8:30 a.m.-5:30 p.m. Oct. 18.) Donald Danforth Plant Science Center, 945 N. Warsaw Road. 935-6860.

7:30 p.m. Diversity Programs Lecture. Annual Homer G. Phillips Lecture Series. Vanessa Northington Gamble, assoc. prof. of health policy and management, Johns Hopkins U. (5:30 p.m. cocktails, 6:30 p.m. dinner.) Eric P. Newman Education Center. To register: 362-6854.

Saturday, Oct. 18

7:30 a.m.-12:15 p.m. Cardiology CME Course. "Practical Management of Arrhythmias." Michael E. Cain, Tobias and Hortense Lewin Professor of Cardiovascular Diseases, and Mitchell N. Faddis, asst. prof. of medicine, co-chairs. Cost: \$55. Eric P. Newman Education Center. To register: 362-6891.

10 a.m. Physics Science Saturdays Lecture Series. "Biophysics of Cell Motion." Anders Carlsson, prof. of physics. Crow Hall, Rm. 201. 935-6276.

Monday, Oct. 20

4 p.m. Biology Seminar. "Models of Sympatric Speciation: Facts and Generalizations." Sergey Gavrilits, prof. of ecology & evolutionary biology and of mathematics, U. of Tenn. Rebstock Hall, Rm. 322. 935-6706.

4 p.m. Physics Seminar. "Physics of Diluted Magnetic Semiconductors." Victor Galitski, Condensed Matter Theory Center & Center for Superconductivity Research, U. of Md. (3:45 p.m. coffee.) Compton Hall, Rm. 241. 935-6276.

4 p.m. Psychology Colloquium. "Eyewitness Identification: Retrospective Distortions of Testimony." Gary Wells, prof. of psychology, Iowa State U. Psychology Bldg., Rm. 216 A&B. 935-6592.

5:30 p.m. Radiology Lecture. Annual Wendell G. Scott Memorial Lecture. "Imaging of Abdominal Lymph Nodes From LAG to PET: The Training of the Radiologists of Tomorrow." Joseph K.T. Lee, prof. and chair of radiology, U. of N.C. Scarpellino Aud., 510 S. Kingshighway Blvd. 362-2866.

6 p.m. Architecture Monday Night Lecture Series. "Works." Conxita Balcells Blesa, architect and visiting assoc. prof. of architecture. (5:30 p.m. reception, Givens Hall.) Steinberg Hall Aud. 935-6200.

Tuesday, Oct. 21

Noon-1 p.m. Program in Physical Therapy Research Seminar. Ann Marie, Dale, research asst. in internal medicine. 4444 Forest Park Blvd., Rm. B108/B109. 286-1404.

nus, has a wide range of experience in housing, finance and management. He is a noted authority in public housing and community development.

Jackson has held numerous positions in the St. Louis area, including director of public safety for the city of St. Louis and executive director for the St. Louis Housing Authority.

His lecture is sponsored by the law school and is free and open to the public.

For more information, call 935-6856.



Form and balance Visiting artist Jennifer Medina (right) leads an advanced master class for the Performing Arts Department in Arts & Sciences' Dance Program. The class, held Oct. 10 in the Women's Building's Olin I Dance Studio, was one of a series of studios and workshops the accomplished St. Louis dancer and choreographer led while in residence Oct. 6-17. She also choreographed a piece for the Washington University Dance Theatre concert Dec. 5-7 at Edison Theatre.

4 p.m. Religious Studies Lecture. Wither- spoon Lecture in Religious Studies.

"Cosmic History: Law, Chance and Design." Ian Barbour, Winifred & Atherton Bean Professor Emeritus of Science, Technology and Society, Carleton College. Lab Sciences Bldg., Rm. 300. 935-7762.

5:30 p.m. Greg Freeman Legacy Lecture. "Meeting Challenges in Journalism, From Race to Credibility." Gerald Boyd, former *New York Times* managing editor. Graham Chapel. 935-5285.

5:30 p.m. Medical Humanities and Social Sciences Meeting. "J. Marion Sims and the Vesico-vaginal Fistula: A Reconsideration." Lewis Wall, assoc. prof. of obstetrics and gynecology. Bernard Becker Medical Library, King Center. 935-5340.

Wednesday, Oct. 22

8 a.m. Obstetrics & Gynecology Grand Rounds. "Improving Patient Safety and Reducing Medical Errors." Victoria Fraser, prof. of medicine. Clopton Aud., 4565 McKinley Ave. 362-1016.

Noon-1:30 pm. History & Philosophy of Science Seminar. "State Control of Soviet Science: Documenting Through Data Mining." Vadim Birstein, chairman, Sturgeon Conservation International, New York. Life Sciences Bldg., Rm. 202. 935-6808.

4 p.m. Biochemistry & Molecular Biophysics Seminar. "How Kinesin Keeps Its Grip: The Mechanism of a Processive Motor Enzyme." Jeff Gelles, Aron and Imre Tauber Professor of Biochemistry and Molecular Pharmacology, Brandeis U. Cori Aud., 4950 Children's Place. 362-0261.

Thursday, Oct. 23

8 a.m.-5 p.m. St. Louis STD/HIV Prevention Training Center CME Course. "Syphilis Update." (Continues 8:30 a.m.-5 p.m. Oct. 24.) Cost: \$50. Bernard Becker Medical Library, Rm. 601A. To register: 747-0294.

Noon. Genetics Seminar Series. "Functional Genomic Analysis of Stem Cells and Germ Cells in *C. elegans*." Valerie Reinke, asst. prof. of genetics, Yale U. McDonnell Medi-

cal Sciences Bldg., Rm. 823. 362-2139.

4 p.m. Chemistry Seminar Series. "Biophysical Approaches to Metalloendoneuclease Structure and Function." Cynthia M. Dupureur, prof. of chemistry, U. of Mo.-St. Louis. McMillen Lab., Rm. 311. 935-6530.

5 p.m. East Asian Studies Lecture. Annual Nelson L. Wu Memorial Lecture on Asian Art and Culture. "The Musical Archaeology of Ancient China: A Presentation of Art and Music." Lothar von Falkenhausen, prof. of art history, U. of Calif., Los Angeles. Co-sponsored by the Saint Louis Art Museum. Saint Louis Art Museum Aud., 1 Fine Arts Drive. 935-4448.

Friday, Oct. 24

7:30 a.m.-3:45 p.m. Academic Women's Network CME Course. "Annual Contemporary Women's Health Issues." Cost: \$160 for physician, \$110 for allied health professionals. Eric P. Newman Education Center. 362-6891.

9:15 a.m. Pediatric Grand Rounds. Alexis Hartmann Lecture. "The Skeletal Dysplasias: Clinical — Molecular Correlations." David L. Rimo, Steven Spielberg Chairman of Pediatrics & dir., Medical Genetics — Birth Defects Center, Cedars-Sinai Medical Center, prof. of pediatrics, medicine, and human genetics, David Geffen School of Medicine, U. of Calif., Los Angeles. Clopton Aud., 4950 Children's Place. 454-6006.

Noon. Cell Biology & Physiology Seminar. "Genetic Analysis of Organogenesis in the Mouse." Jeffrey H. Miner, asst. prof. of internal medicine. McDonnell Medical Sciences Bldg., Rm. 426. 362-3964.

2:30-7 p.m. Siteman Cancer Center CME Course. "Leukemia, Lymphoma, Bone Marrow Transplant: Biology and Management of Patients With Hematologic Malignancies." (7 p.m. reception.) Cost: \$35. Eric P. Newman Education Center. To register: 362-6891.

4 p.m. Anatomy & Neurobiology Seminar. "Synaptic Specificity in the Visual System." Joshua Sanes, prof. of anatomy & neurobiology. McDonnell Medical Sciences Bldg., Rm. 928. 362-7043.

Saturday, Oct. 25

10 a.m. Physics Science Saturdays Lecture Series. "Putting Atoms Together — Materials Science Through the Ages." Ken Kelton, prof. of physics. Crow Hall, Rm. 201. 935-6276.

Monday, Oct. 27

Noon. Molecular Biology & Pharmacology Research Seminar. "A Mechanism of Negative Cooperativity Revealed by Asymmetric Quaternary Hybrid Enzymes." Gregory A. Grant, prof. of internal medicine. South Bldg., Rm. 3907, Philip Needleman Library. 362-0183.

Noon. Neurology & Neurosurgery/CSNSI Seminar. John M. Zempel, instructor in neurology. Maternity Bldg., Schwarz Aud. 362-9462.

Noon-1:10 p.m. Work, Families, & Public Policy Seminar Series. "The U.S. Gender Pay Gap in the 1990s: Slowing Convergence." Francine Blau, Frances Perkins Professor of Industrial and Labor Relations, Cornell U. Eliot Hall, Rm. 300. 935-4918.

4 p.m. Biology Seminar. "Clock Genes and Circadian Timing in the Brain and Beyond." Mick Hastings, dept. of neurobiology, U. of Cambridge, England. Rebstock Hall, Rm. 322. 935-8635.

4 p.m. Physics Lecture. "Biochemical Computing in Neurons." Terry Sejnowski, prof. and head of computational neurobiology, Salk Inst., La Jolla, Calif. (3:45 p.m. coffee.) Compton Hall, Rm. 241. 935-6276.

4 p.m. Immunology Research Seminar Series. "STAT5-dependent Regulation of Lymphocyte Development, Homeostasis, and Activation." Michael A. Farrar, asst. prof. of immunology, U. of Minn. Eric P. Newman Education Center. 362-2763.

6 p.m. Architecture Monday Night Lecture Series. "360°" Randy Brown, architect, Randy Brown Architects, LLC, Omaha, Neb. (5:30 p.m. reception, Givens Hall.) Steinberg Hall Aud. 935-6200.

HUD deputy secretary to present lecture

By JESSICA MARTIN

Alphonso Jackson, deputy secretary of the U.S. Department of Housing and Urban Development (HUD), will lecture on national housing policy at 11 a.m. today in Anheuser-Busch Hall, Room 309.

As HUD's chief operating officer, Jackson oversees the day-to-day operations of the \$32 billion agency that has a core mission of providing affordable housing and promoting community and economic development.

Jackson, a School of Law alum-

Sports

Volleyball team wins tournament title

The No. 2 volleyball team defeated Muskingum College, 30-17, 30-23, 30-25, early on Oct. 11, and that afternoon it won the National Invitational II title over host Wittenberg University behind sophomore setter Kara Liefer's triple-double and most valuable player performance. Liefer recorded 47 assists, 10 kills and 10 digs — her first career triple-double — in the Bears' 27-30, 31-29, 30-23, 30-25 victory in the championship match. After dropping the first game, the Bears chipped away at an eight-point lead in the second frame to tie the score at 24. WUSTL held on for a 31-29 win to even the match. The Bears led the majority of the way thereafter. Junior outside hitter Colleen Winter registered a team-high 16 kills in the match to go with 26 digs, while classmate Ishi Ballew tallied 11. Sophomore Nicole Hodgman posted a team season-high and career-high 30 digs, and senior Amy Brand had nine blocks. Against Muskingum, senior Cindy McPeak led the Bears with 10 kills in 13 attempts, while Ballew added 10 kills and four service aces. Liefer totaled 38 kills, 164 assists and 26 digs over the weekend en route to being named the tournament MVP. Winter and Brand joined her on the All-Tournament Team.

Other updates

Despite outgaining Trinity University 398-308 in total offense, the Bears football team could produce just one touchdown and suffered a 21-7 loss to the No. 16 Tigers Oct. 11 in San Antonio. Sophomore Brad Duesing had nine catches for 104 yards and a touchdown in the loss as he moved into a tie for fourth place on the school's all-time reception list (116) and into sixth place on the all-time receiving yardage list (1,791). Trinity completed a 48-yard pass play on the opening play of the game, and then two plays later, Dan DesPlaines hit Jason Mendivil for a 26-yard touchdown reception as the Tigers quickly went up 7-0, which held until halftime. Junior quarterback Adam Meranda was knocked out of the game on the Bears first possession of the third quarter and was replaced by senior Matt Alley who saw his first action since suffering an injury in a season-opening loss at Simpson. Four plays later, Jarrod Smith of Trinity intercepted Alley's pass and returned it 50 yards for the touchdown. Alley drove the Bears



Sophomore setter Kara Liefer (right) led the Bears to the National Invitational II title and was named the tourney's most valuable player.

down the field on the ensuing possession and hit Duesing with a seven-yard touchdown strike on fourth down as WUSTL cut the lead to 14-7 with 7:42 left in the third quarter, but that was all the Bears could muster.

The men's soccer team went 1-0-1 last week, shutting out Blackburn College, 5-0, and playing No. 3 Emory University to a 0-0 draw in Atlanta. WUSTL (5-4-3 overall, 0-1-1 UAA) erupted for five second-half goals against Blackburn in Carlinville, Ill. Senior James Ward scored the game-winning goal off a free kick, and sophomore David Borton scored two goals in the match. Borton leads the Bears with three goals this season. Senior Scott Siebers and sophomore Nick

Kalscheur added the other two goals for the Bears.

The women's soccer team suffered its first defeat in 11 games as the Bears dropped a 1-0 loss at No. 10 Emory Oct. 11 in Atlanta. The Bears had not lost since a season-opening 5-0 setback at No. 2 Wheaton College. Emory (10-3, 1-1 UAA) dominated play in the first half, but the Bears (8-2-2, 1-1 UAA) outshot the Eagles 5-3 in the opening frame. Emory gained the lead in the 21st minute as Jessie Dean scored on an assist from Adrienne DeMarais to give the Eagles the 1-0 lead. In the second half, the Bears outshot Emory 9-0, but could not muster a goal. For the game, Washington U. outshot Emory, 14-3.

International symposium on Tennessee Williams Feb. 12-14
Will include world premiere of *Me Vashya*

BY LIAM OTTEN

Tennessee Williams lost a playwriting contest?

It happened in 1937, when Williams placed fourth in a Washington University competition, behind classmates Shepherd Mead (who would go on to write *How to Succeed in Business Without Really Trying*) and A.E. Hotchner (author of *Papa Hemingway*, among others).

It was a brutal blow for the shy, young Williams, who uncharacteristically stormed into his professor's office before storming out of St. Louis altogether. He would go on to expunge the play — a broad, antiwar farce titled *Me Vashya* — from his list of works and the University from his 1975 *Memoirs*.

In the years since, *Me Vashya* has become something of a legend among Williams scholars, representing a pivotal moment, both artistically and personally, in the playwright's life. Still, the work — which tells the story of corrupt, self-made arms dealer Vashya Shontine and his mad, Blanche DuBois-like wife — has languished in obscurity and has never been published or produced.

Until now.

In February, the Performing Arts Department in Arts & Sciences will present the world premiere of *Me Vashya* as part of an international symposium focusing on Williams' early career. "Tennessee Williams: The Secret Year" will be held Feb. 12-14.

In addition to *Me Vashya* — which will be introduced by the playwright's brother, Dakin Williams — the symposium will include performances of *The Glass Menagerie* and a program of five early short works; lectures by Williams scholars; an exhibition of photographs and manuscripts; and a bus tour of Williams-related historical sites.

Shock and humiliation

Literary St. Louis: A Guide was edited by William H. Gass, Ph.D., the David May Distinguished University Professor Emeritus in the Humanities, and Lorin Cuoco for the International Writers Center (now The Center for the Humanities) in Arts & Sciences and published in 2000 by the Missouri Historical Society.

According to *Literary St. Louis*, Williams spent much of the 1936-37 academic year drafting short

sketches of his mother and sister, foreshadowing his early masterpiece, *The Glass Menagerie*. These sketches were highly praised and often read aloud to the class by Professor William Carson, and it was generally assumed that they would win the University's annual playwriting competition.

When it came time to actually submit work, however, Williams surprised everyone with the untested *Me Vashya*, which chronicles Shontine's futile efforts to control Lady Shontine and her belief that the men her husband has sent to their deaths are returning for vengeance.

The reception was devastating.

Hotchner reported that, when read aloud to Williams' classmates, *Me Vashya* was met with "considerable half-suppressed laughter." According to Carson, the judges initially ranked the play third — generally, the top three finishers were given full production by the University drama club, Thyrsus.

But in the end, *Me Vashya* was awarded only an honorable mention because the judges thought the role of Lady Shontine could not be properly cast.

Williams, writing 30 years later, recalled the episode as "a terrible shock and humiliation ... a cruel blow. I had always thought I was shy, but I discarded all humility.

"I stormed into Carson's office. (He was a good professor.) I screamed at him. I surprised myself."

Williams did, however, exact mild artistic revenge in *The Glass Menagerie*, which includes the following quip:

Tom: I'm going out to smoke.

Amanda: You smoke too much. A pack a day at 15 cents a pack. How much would that amount to in a month? ... Enough to give you a night-school course in accounting at Washington U! ...

Tom: I'd rather smoke.

Registration for the symposium is required. For more information or to register, call 935-7025.

Public performances of *Me Vashya* and *The Glass Menagerie* will take place at 8 p.m. Feb. 6, 7 and 14; and at 2 p.m. Feb. 7, 8 and 15. Tickets are \$12, or \$8 for seniors, students and University faculty and staff.

For more information on the performances, call the Edison Theatre Box Office at 935-6543.

Tuesday, Oct. 28

6 p.m. School of Engineering Connection Series Speaker Event. "Rebuilding Baghdad: Can It Be Done? Are We the Ones to Do It?" Barbara K. Bodine, senior adviser, Bureau of Political-Military Affairs. (5:15 p.m. reception, Whitaker Hall Atrium.) Whitaker Hall Aud. 935-8213.

Wednesday, Oct. 29

8 a.m. Obstetrics & Gynecology Grand Rounds. "Sickle Cell Disease: A Challenge for the African-American Community." Michael R. DeBaun, assoc. prof. of pediatrics and assoc. prof. of biostatistics. Clopton Aud., 4950 Children's Place. 362-1016.

11 a.m. Assembly Series. Black Arts & Sciences Festival Lecture. Dick Gregory, comedian. Graham Chapel. 935-5285.

4 p.m. Biochemistry & Molecular Biophysics Seminar. "Circular Dichroism of Proteins: Analysis and Prediction." Robert W. Woody, prof. of biochemistry & molecular biology, Co. State U. Cori Aud., 4565 McKinley Ave. 362-0261.

Thursday, Oct. 30

7:30 a.m.-3:30 p.m. Infectious Diseases CME Course. "ID 2003: Clinical Management of Infectious Diseases for the Primary Provider." Cost: \$135 for physicians, \$105 for allied health professionals. Eric P. Newman Education Center. 454-8275.

Noon. Chemistry Seminar. "Development and Synthetic Applications of Electron Transfer Initiated Cyclization Reactions." Paul Floreancig, asst. prof. of chemistry, U. of Pittsburgh. McMillen Lab., Rm. 311. 935-6530.

Noon. Genetics Seminar Series. "Catalytic RNA Meets Selfish DNA: The Group I Introns of Bacteria and Bacteriophages." David Shub, prof. of biological sciences, State U. of N.Y. at Albany. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

1:10 p.m. George Warren Brown School of Social Work Fall Lecture Series. "The Impact of Professionalism and Elitism on Neighborhood Capacity Building from the Settlement House Perspective." George Eberle, former president and chief executive officer, Grace Hill. Co-sponsored by Grace Hill Settlement House, St. Louis. Brown Hall Lounge. 935-6661.

4 p.m. African and Afro-American Studies Lecture. "Frederick Douglass and the Aesthetics of Freedom." John L. Loeb, assoc. prof. of the humanities, Harvard U. Co-sponsored by the Dept. of English, American Culture Studies and the Program in Literature & History. Duncker Hall, Rm. 201, Hurst Lounge. 935-8556.

4 p.m. Chemistry Seminar. "Understanding How Batteries and Fuel Cells Work: NMR Studies of Disordered Materials." Clare P. Grey, prof. of chemistry, State U. of N.Y. at Stony Brook. McMillen Lab., Rm. 311. 935-6530.

4:15 p.m. Earth & Planetary Sciences Colloquium. "Earth Under Stress: Mantle Flow, Plate Dynamics, and Surface Deformation." Carolina Lithgow-Bertelloni, asst. prof. of geological sciences, U. of Mich., Ann Arbor. McDonnell Hall, Rm. 362. 935-5610.

Music

Sunday, Oct. 19

3 p.m. Faculty Recital. "Bach & Co. — Baroque and Early Classical German Music." Elizabeth Macdonald, dir. of strings, dept. of music, viola da gamba & Baroque cello, Charles Metz, harpsichord. Gallery of Art. 935-4841.

Sunday, Oct. 26

3 p.m. Reformation Choir Festival. Performances by Five Area Choirs. Sponsored by Lutheran Campus Ministry. Graham Chapel. 863-8140.

Thursday, Oct. 30

8 p.m. Jazz at Holmes. Dave Stone Trio with Eric Markowitz. Ridgley Hall, Holmes Lounge. 935-4841.

Friday, Oct. 24

7 p.m. Music at the Gallery of Art. "Borders and Boundaries in 20th-Century

Music: A Recital to Parallel *Inscriptions of Time/Topographies of History: The Photographs of Alan Cohen.* Silvan Iticovici, violin instructor, Paul Garritson, clarinet instructor, Alla Voskoboinikova, piano instructor, Maryse Carlin, harpsichord instructor, and Seth Carlin, prof. of piano. Gallery of Art. 935-4841.

7 p.m. Volleyball vs. Southern Ill. U.-Edwardsville. Athletic Complex. 935-4705.

Monday, Oct. 27

7 p.m. Men's Soccer vs. Westminster College. Francis Field. 935-4705.

On Stage

Friday, Oct. 17

8 p.m. Performing Arts Department Performance. *Guys and Dolls.* Jeffery Matthews, dir. (Also 8 p.m. Oct. 18; and 2 p.m. Oct. 19.) Cost: \$12, \$8 for seniors and WUSTL faculty, staff and students. Edison Theatre. 935-6543.

Sports

Saturday, Oct. 18

Noon. Football vs. U. of Chicago. Homecoming Game. Francis Field. 935-4705.

Wednesday, Oct. 22

7 p.m. Men's Soccer vs. Webster U. Francis Field. 935-4705.

And more...

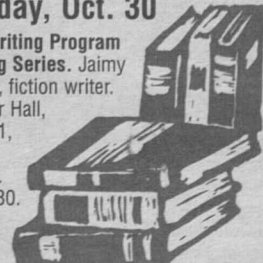
Friday, Oct. 17

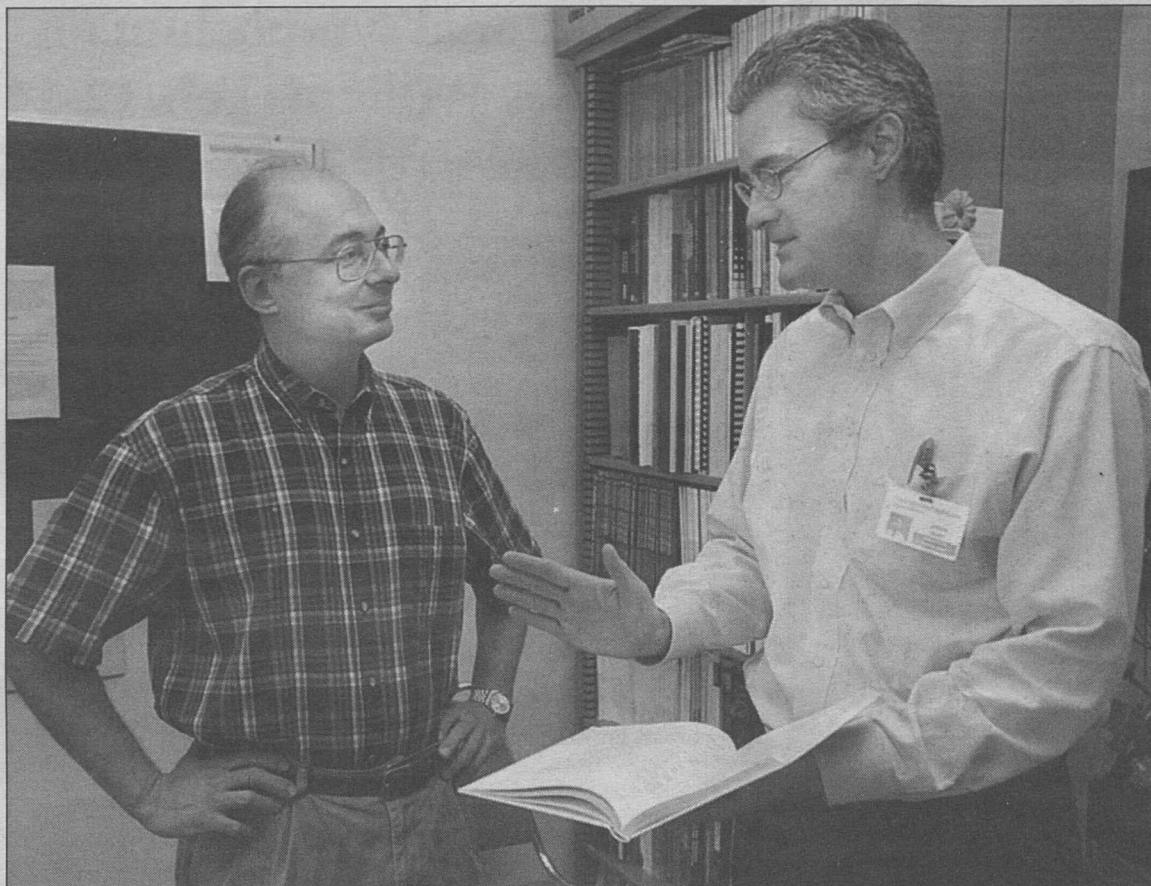
9 a.m.-3 p.m. Wellness Connection Event. Health & Wellness Fair. Open to WUSTL faculty, staff and students. Mallinckrodt Student Center, Lower Lvl., The Gargoyle. 935-5990.

8 p.m. Writing Program Reading Series. Jorie Graham, poet and Boylston Professor of Rhetoric & Oratory, Harvard U. Women's Bldg. 935-7130.

Thursday, Oct. 30

8 p.m. Writing Program Reading Series. Jaimy Gordon, fiction writer. Duncker Hall, Rm. 201, Hurst Lounge. 935-7130.





Victor Wickerhauser, Ph.D. (left), professor of mathematics in Arts & Sciences, and Joseph O. Deasy, Ph.D., assistant professor of radiation oncology in the School of Medicine, have used a mathematical tool called "wavelet analysis" to allow radiation oncology doses to be controlled more carefully.

Math tool

Simulation algorithm submitted for patent

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tion oncologists don't want to irradiate nearby healthy tissue, especially if the cancer is near vital areas such as an ovary, bone marrow, the spinal cord or the brain.

The researchers have submitted the wavelet-based simulation

algorithm used for the wavelet analysis for a patent.

Much of the programming for the algorithm was performed by Mathieu Picard, a visiting undergraduate student working on his honors thesis for the Ecole Polytechnique in Palaiseau, France, considered that country's finest technical university.

Wickerhauser collaborates with researchers worldwide on problems that might better be solved by wavelet analysis.

The radiation oncology dosage distribution problem was a good

candidate for wavelet-based simulation because wavelets give good, fast approximations to smooth data fields with "rough" noise, such as is produced by Monte Carlo simulations with relatively few particles. Wavelets take out more of the roughness while preserving more of the true sharp features of the "smooth" function than other approximations.

"Wavelet approximations take rough things and give you smooth things, without destroying sharpness," Wickerhauser said.

KWUR

— from Page 1

stay tuned and possibly learn to like something new.

"And then in an hour's time, the genre will change. We can go from wave or ska or punk to metal to blues to jazz during one broadcast day. It really runs the gamut."

There are about 60 disc jockeys at the station who volunteer their time in one- or two-hour slots. Prospective DJs must undergo a semester-long training course where they learn the rules of the station and the Federal Communications Commission.

KWUR is run very much like a commercial radio station.

"Since there isn't a broadcast major on campus, when I first came here three years ago I was concerned that the commitment to broadcasting excellence might not be there," Hayes said. "I could not have been more wrong."

"Even though being on the air is not a requirement for a class,

the student DJs take it very, very seriously. Everyone who's at KWUR really wants to be there."

Junior Spencer Kathol, a computer engineering and finance double-major and the station's general manager, agrees.

"I've been involved with KWUR since first semester freshman year, and I have learned more about the underground music scene than I ever thought I would," Kathol said. "I also have enjoyed hanging out with some of the coolest people at this school."

Thanks to the recent resolution of a situation involving the station's 10-watt signal, it can now be heard as far away as downtown St. Louis, greatly helping its exposure.

The station has been trying unsuccessfully — for several years — to get an upgrade to 100 watts so it can broadcast to the entire St. Louis region. More studies are being done to evaluate the feasibility of such a move.

Until then, this little station that could will keep broadcasting its huge variety of student-run

"I'm very proud of the students who work at KWUR. Every accolade the station receives directly translates back to the students. I'm very happy that other people are starting to notice the tremendous amount of work they put in."

JIM HAYES

programming for people not only on campus but also around the world, thanks to the Internet.

"I'm very proud of the students who work at KWUR," Hayes said. "Every accolade the station receives directly translates back to the students."

"I'm very happy that other people are starting to notice the tremendous amount of work they put in."

Steroids

Study funded by National Institutes of Health, Pfizer

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Muglia said. "It's very clear, though, that we're really limited in how high a dosage we can give patients and how long we can treat them because of the side effects."

Judson Brewer, first author on the paper and a student in the Medical Scientist Training Program, expressed amazement at how little is known of steroids' effects at the molecular level and how much progress he and his colleagues were able to make in the study.

"The goal here was just to go out and further science and maybe — if we were really lucky — do something that would help people," Brewer said. "It looks like we might be moving toward that second goal a lot faster than I thought."

To zero in on how steroids work, Muglia studied their effects on the glucocorticoid receptor, a protein found within cells throughout the body. Natural steroids made by the adrenal glands normally bind to these receptors.

Scientists knew those binding interactions were important for human survival and prevented potentially deadly consequences.

"Prior to the development of artificial steroids in the 1950s, people diagnosed with adrenal

insufficiency, which left them with low levels of these natural steroids, only survived about a year," Muglia said.

In this study, funded by the National Institutes of Health and Pfizer, researchers in Muglia's lab genetically disabled the glucocorticoid receptor protein in T-cells in mice. They then gave the mice injections of antibodies and other compounds that attack T-cells.

Activated by the attack, the T-cells mounted a counterattack. In experimental mice, the counterattacks spiraled quickly and fatally out of control.

When scientists looked for the genes that were out of control in the T-cells, they found unusually high levels of COX-2, a protein linked to rheumatoid arthritis, infections and other difficulties.

To see if this compound was connected to the experimental mice's fatal reactions, researchers treated a new batch of experimental mice with drugs to suppress COX-2 and repeated the attack on T-cells. Many more mice survived.

"This suggests that it may be very useful to look at treating patients with adrenal insufficiency or resistance to steroid treatment with COX-2 inhibitors," Muglia said.

Muglia's group is working to check its theory of steroid action in mouse models of autoimmune diseases such as lupus and multiple sclerosis. Muglia and Brewer have applied for a patent on the potential new use for COX-2 inhibitors.

Weekend

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will present "Enhancing the Student Experience" from 10-11 a.m. Oct. 18 in the auditorium of Uncas A. Whitaker Hall for Biomedical Engineering. He will discuss what the University is doing to enhance the educational experience of undergraduate students, including new programs and new buildings.

The football team will take on the University of Chicago in the Homecoming game at noon Oct.

18 at Francis Field.

A tailgate party will start at 11 a.m. outside the stadium. Parents can buy tailgate tickets at the event. Students do not need tickets.

A walking tour of historic Forest Park will begin at 8:30 a.m. Oct. 19. Brunch will follow at 10 a.m. in Holmes Lounge.

Open houses, information sessions and tours will take place during each of the three days.

For more information, call Melanie Osborn, assistant director of orientation and Parents Weekend programs, at 935-8350 or go online to parentsweekend.wustl.edu.

Book

— from Page 1

Outlook Magazine and the *Record*.

Her historical documentary, *Oh Freedom After While: The Missouri Sharecropper Protest of 1939*, which aired nationally on PBS, won an Emmy award. Julian Bond narrated the documentary, which depicts the struggle of 1,500 evicted sharecroppers who, in the winter of 1939, took their stand against the plantation

South, the farming policies of the federal government and the desperate conditions of their lives.

To order *Beginning a Great Work* for the discounted price of \$39.95, go online to 150.wustl.edu/book, where you can download a PDF order form; or go to the Campus Store Web site, www.wustl.bkstr.com.

After Dec. 1, the book will cost \$44.95.

Beginning a Great Work will be available for purchase from the Campus Store in Mallinckrodt Student Center early next year.

Campus Watch

The following incidents were reported to University Police Oct. 9-14. Readers with information that could assist in investigating these incidents are urged to call 935-5555. This information is provided as a public service to promote safety awareness and is available on the University Police Web site at police.wustl.edu.

Oct. 10

11:41 a.m. — A student reported that a DVD player and a digital movie camera had been taken from the WUTV offices in Prince Hall. Total value is estimated at \$2,880.

Oct. 11

8:29 p.m. — An unknown person gained entry into the Optics Lab on the fourth floor of Crow Hall sometime between 5:30 p.m. Oct. 10 and 2:45 p.m. Oct. 11. Two offices had been entered, but no items appeared to have been missing. The investigation is ongoing.

Oct. 12

1:01 p.m. — While on patrol in

Duncker Hall, a University Police officer observed a person who had been warned for trespassing on prior occasions. The person was arrested on summons release.

Oct. 14

10:18 a.m. — An unknown person stole a black and white Marin Pioneer Trail mountain bike from a bike rack outside Monsanto Hall. The bike had been secured with a cable lock.

Additionally, University Police responded to six reports of larceny and one report each of telephone harassment, property damage and trespassing.

Employment

Go online to hr.wustl.edu (Hilltop Campus) or medicine.wustl.edu/wumshr (Medical Campus) to obtain complete job descriptions.

Hilltop Campus

For the most current listing of Hilltop Campus position openings and the Hilltop Campus application process, go online to hr.wustl.edu. For more information, call 935-5906 to reach the Human Resources Employment Office at West Campus.

General Lab Assistant-Part Time 020237

Business Development Specialist 030334
Regional Dir. of Development 030252
Margins Office Coordinator 040007

Admissions Counselor 040025

Earth & Planetary Sciences Library Assistant 040029

Hazardous Materials Tech II 040033

Employer Relations Coordinator 040037

Radiation Safety Specialist I 040045

Database & Network Administrator 040046

Career Director 040062

Senior Accountant 040064

Payroll/Accounts Payable Manager 040065

Assoc. Director, Business Library 040066

Security Officer 040067

Executive Secretary 040069

Deputized Police Officer 040070

Human Subjects Monitoring Program Supervisor 040071

Lab Technician IV 040072

Administrative Asst. 040073

Accounting & Payroll Asst. 040074

Loan Analyst 040075

Senior Research Analyst 040078

Administrative Asst. II 040076

Department Secretary 040082

Laboratory Technician/Analytical Chemist 040083

Administrative Asst. 040084

Medical Campus

This is a partial list of positions in the School of Medicine. Employees: Contact the medical school's Office of Human Resources at 362-7196. External candidates: Submit résumés to the Office of Human Resources, 4480 Clayton Ave., Campus Box 8002, St. Louis, MO 63110, or call 362-7196.

Purchasing Coord. 040261

Medical Secretary III 040322

Insurance Billing and Collection II 040378

Professional Rater I 040384

Medical Asst. II 040385

Professional Rater I 040390

Insurance Billing & Collection I 040407

Public Safety Officer 040412

Public Safety Officer 040413

Patient Billing/Service Rep. II 040414

Staff Scientist 040415

Sr. Research Technician 040416

Research Technician II 040417

Medical Secretary III 040421

Research Patient Coord./Professional 040438

Research Patient Coord. 040440

Insurance Billing & Collections III 040441

Statistical Data Analyst 040442

Manager, Third Party Reimbursement 040444

Human Subjects Monitoring Program Supervisor 040999

Notables

Introducing new faculty members

The following are among the new faculty members at the University. Others will be introduced periodically in this space.

Katherine Y. Barnes, J.D., joins the School of Law as associate professor. Barnes is an expert on statistical evidence and forms of proof, including a recent study on racial profiling and traffic stops in the state of Maryland. Her professional interests also span discrimination law, labor and employment law, civil procedure and criminal procedure. Barnes has written on the relationship between crime rates and American attitudes toward the death penalty, and on deterrence and the death penalty. Barnes earned a law degree in 2000 from the University of Michigan Law School, where she was article editor and executive editor of the Michigan Journal of Law Reform.

Peter S. Hovmand, Ph.D., joins the George Warren Brown School of Social Work as assistant professor. He earned a master's degree in social work and an interdisciplinary doctorate in social science from Michigan State University (MSU). Before coming to Washington University, Hovmand was an instructor and a male outreach coordinator for MSU's "Safe Place." His teaching interests include system dynamics, research methods, human behavior in social environments and social work and oppression. His research focuses on domestic violence, system dynamics and "flight simulators" for social work.

Tomiko Brown-Nagin, J.D., Ph.D., joins the Department of History in Arts & Sciences and the School of Law as associate professor. Brown-Nagin is an expert in legal and social history and in constitutional law. Her research and teaching interests span legal ethics, complex litigation and labor and employment relations. Brown-Nagin has published in journals including the Duke Law Journal, Law and Inequality, Women's History Review and the Journal of Law and Education, on topics such as women's activism and social change, school finance, charter school litigation and affirmative action in higher education. Brown-Nagin earned a law degree in 1997 from Yale Law School, where she was an editor of the law journal.

Steven J. Gunn, J.D., joins the School of Law as an associate professor. Gunn, who has extensive experience in public interest litigation and clinical practice, most recently co-taught three clinics at Yale Law School. In these clinics, he instructed and supervised law students in the representation of low-income individuals in judicial and administrative actions in numerous areas of substantive law, including consumer protection, housing, public benefits and civil rights. He also taught a doctrinal course on federal Indian law. At Washington University, Gunn will teach in the Civil Justice Clinic, as well as doctrinal courses on property and federal Indian law. Gunn earned a law degree from Yale University in 1995.

Of note

Felix Fernandez, M.D., clinical research fellow, has received a one-year, \$40,000 Research Fellowship Award from the International Society for Heart and Lung Transplantation for research titled "Role of Matrix Metalloproteinase-2 in the Pathogenesis of Post-Transplant Obliterative Airway Disease." ...

David A. Leib, Ph.D., associate professor of ophthalmology and visual science, has received a one-year, \$55,000 Research to Prevent Blindness Lew R. Wasserman Merit Award. ...

Timothy P. Fleming, M.D., research associate professor of surgery, has received a one-year, \$177,198 grant from the Cancer Treatment Research Foundation for research titled "Targeted Killing of Human Breast Cancer Cells." ...

Thalachallour Mohanakumar, M.D., Ph.D., the Jacqueline G. and William E. Maritz Chair in Immunology and Oncology in the Department of Surgery, received a two-year, \$100,000 grant from the American Liver Foundation. ...

Agustin Pineda, M.D., post-doctoral fellow, has received a one-year, \$45,761 grant from the American Heart Association for research titled "Structural Studies of the Sodium-Dependent Allosteric Nature of Thrombin." ...

Zhi Hong Lu, Ph.D., research fellow, has received a one-year, \$40,000 research fellowship from Cooley's Anemia Foundation. ...

Dennis J. Dietzen, Ph.D., assistant professor of pediatrics, has received a one-year, \$50,000 Atorvastatin Research Award. ...

Katherine Weilbaecher, M.D., assistant professor of medicine, has received a one-year, \$65,000 grant from the Edward Mallinckrodt Jr. Foundation for research titled "The Study of Mechanisms of Signal Integration by Microphthalmia Transcription Factor in Osteoclasts." ...

Brian Gage, M.D., assistant professor of medicine, has received a two-year, \$230,373 grant from the American Heart Association for research titled "Risk Assessment for Chronic Atrial Fibrillation." ...

Paul Bridgman, M.D., associate professor of neurobiology, has received a two-year, \$121,000 grant from the American Heart Association for research titled "An Essential Cell Type Specific Role for Nonmuscle Myosin IIB in Cardiovascular Development and Contractility." ...

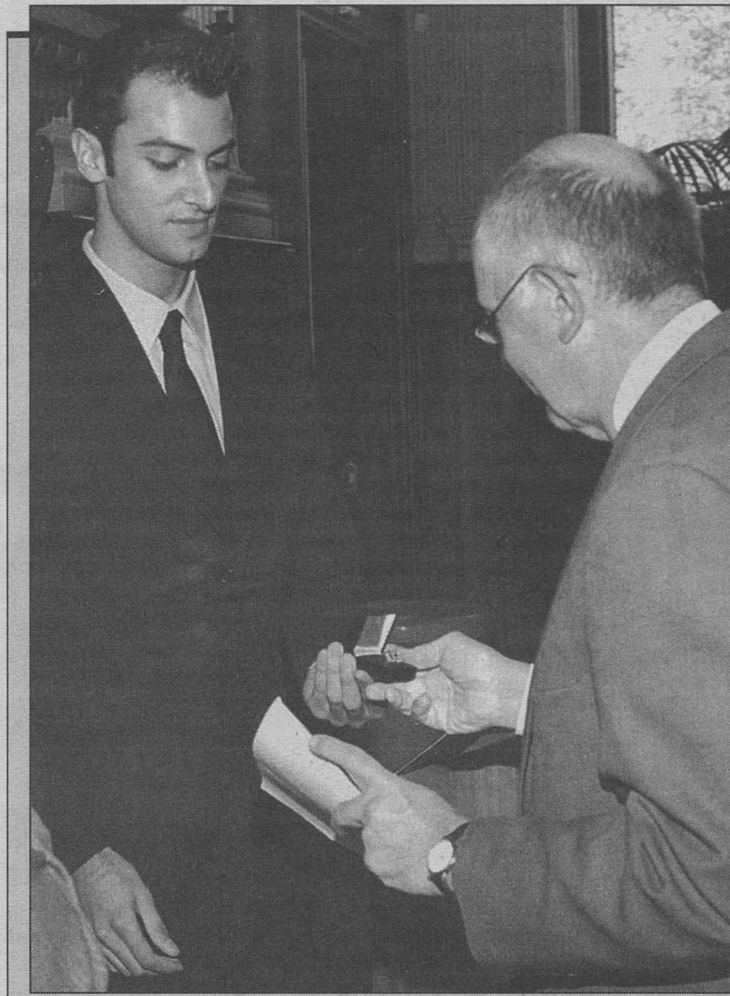
Hong Xu, M.D., National Institutes of Health postdoctoral fellow, has received a two-year, \$80,685 grant from the American Heart Association for research titled "Engineering Thrombin for Exclusive Activity Towards Protein C." ...

Kyoungtae Kim, M.D., post-doctoral fellow, has received a two-year, \$80,685 grant from the American Heart Association for research titled "Structure/Function Analysis of Yeast Actin-Capping Protein." ...

Pamela E. Hoppe, M.D., research instructor in genetics, has received a three-year, \$245,700 grant from the National Science Foundation for research titled "Analysis of the Role of the UNC-82 Protein Kinase in C. Elegans Muscle Function." ...

Brian Suarez, Ph.D., professor of psychiatry, has received a one-year, \$100,000 grant from the Urological Research Foundation for research titled "Studies on the Genetics of Prostate Cancer and Follow-Up of Men Diagnosed with Prostate Cancer in the PSA Study." ...

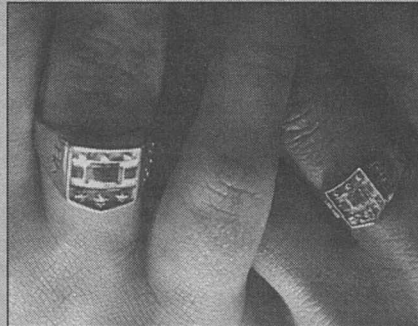
Barbara Geller, M.D., professor of psychiatry, has received a



Ring leaders

John Gianoulakis (above right), a member of the executive committee of the alumni association and chair of the Ring Design Committee, presents senior class President Raffi Nazarian with the University's new signet ring at a recent unveiling ceremony in Holmes Lounge. This ring

replaces the array of styles previously available. The new design includes the University shield on its face and the founding year, 1853, on one side. The only optional information that can be added is on the other side, where graduates can choose either their graduation year or their school abbreviation.



two-year, \$855,833 grant from the National Institute of Mental Health for research titled "Family

Psychopathology in Child Bipolarity." ...

Paul F. Austin, M.D., assis-

Obituary

Armand Diaz, assistant professor emeritus of radiology, 76

BY KIMBERLY LEYDIG

Armand Diaz, assistant professor emeritus of radiology, died at his home Thursday, Oct. 9, 2003, from complications of chronic obstructive pulmonary disease. He was 76.

In the late 1960s, Diaz came to the School of Medicine to work as technical administrator of the Mallinckrodt Institute of Radi-

ology and helped bring MRI and CT units to Mallinckrodt.

Diaz began teaching radiology courses at the medical school in 1968 and retired in 2001.

Born and raised in Havana, Diaz studied nursing at the University of Havana and came to New York in the 1940s. He later became a United States citizen and entered the Army to serve in the Korean War.

He is survived by his wife of 47 years, Rita McLaughlin Diaz; two daughters, Judith Diaz Myers and Sharon Maria Bode; a sister, Inez Baeza; and five grandchildren.

Memorial contributions may be sent to the Radiology Education Fund at the Jewish Hospital College of Nursing and Allied Health, 306 S. Kingshighway Blvd., St. Louis, MO 63110.

Homeland security fellowships received by students

BY TONY FITZPATRICK

Jeffrey Blanchard, a graduate student in mathematics in Arts & Sciences, and Shannon Lieberg, a senior in computer science and engineering, are two of 101 recipients of scholarships under the new Homeland Security Scholars and Fellows Program.

This educational program is administered by the U.S. Department of Homeland Security. The initiative will support the development and mentoring of the next generation of scientists as they study ways to prevent terrorist attacks within the United States, reduce America's vulnerability to terrorism and minimize the damage and recovery efforts from attacks that occur.

"We are extremely pleased to welcome these individuals as part

of our team to explore the future scientific possibilities for protecting our nation against terrorism," said Secretary of Homeland Security Tom Ridge.

The department received nearly 2,500 applications for review by more than 100 experts selected from a variety of fields, including physical, biological, social and behavioral sciences, engineering, mathematics and computer science.

The Homeland Scholars and Fellows Program is open to all U.S. students interested in pursuing scientific and technological innovations that can be applied to the homeland security mission.

Students from engineering disciplines constituted about one-third of the awards, followed by computer science, math, psychology and social sciences. Men and

women were almost equally represented as award recipients. The students have begun their programs this fall.

Funding for this program will be up to \$2 million for fiscal year 2003. In addition, the department has proposed increasing its funding for fiscal year 2004, with a commitment to increase the number of scholarship and fellowship awards for next year.

The Homeland Security Scholars and Fellows Program will also be expanded to provide internships and specialized fellowships for students and faculty to further their knowledge of homeland security through short- and long-term exchanges at laboratories, facilities and organizations throughout the homeland security complex.

Washington People

G. Scott Robinson, you might say, owes his livelihood to Roy Rogers and his music to Mel Bay. The perseverance is all his own.

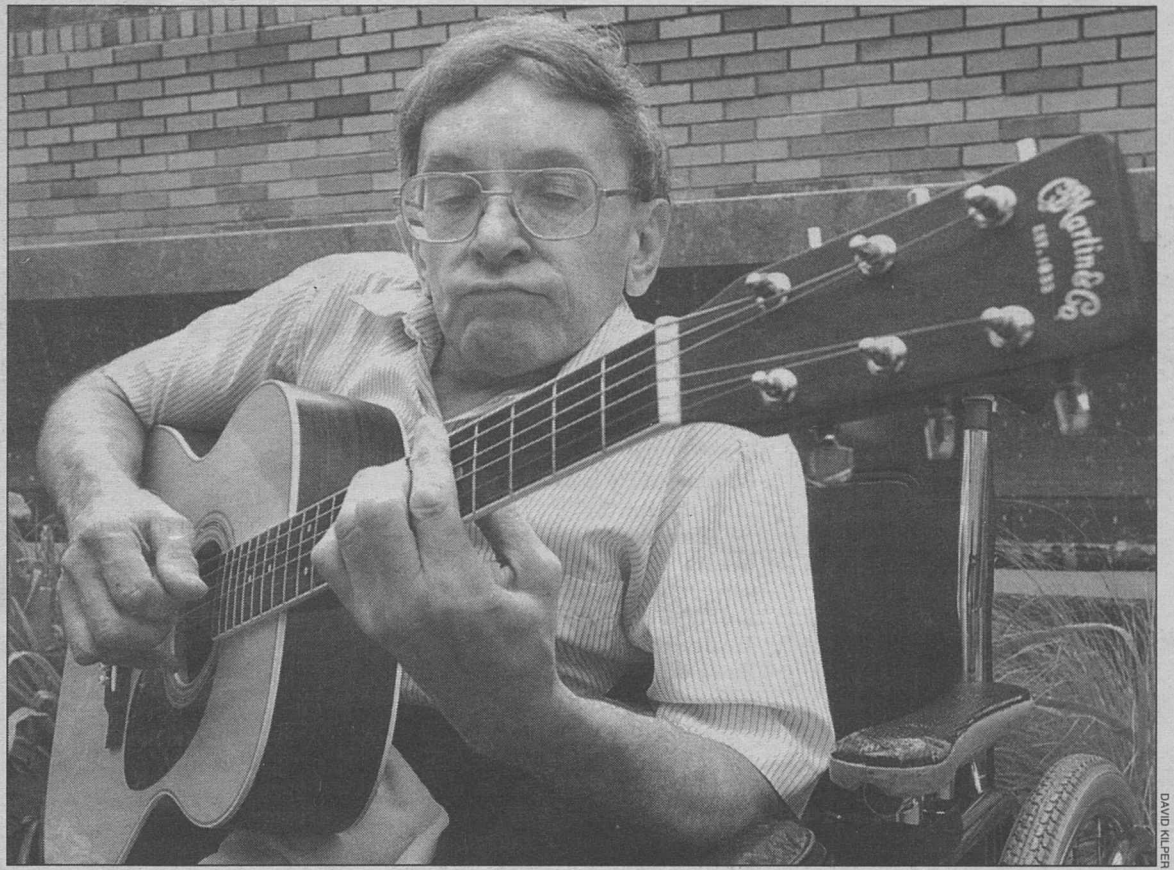
Robinson was born with the rare genetic condition "osteogenesis imperfecta," known as "brittle bone disorder." As a child, he suffered fractures from playing on the floor, falling out of bed, even jumping when startled. All told, he's endured more than 200 such incidents.

Yet in 36 years at the University, Robinson, a systems programmer in the Division of Computing & Communications, has nevertheless carved out a unique and frequently colorful career while also emerging as an accomplished guitarist.

"My story is not a sad story at all," Robinson says. "It's a happy story because I'm still alive, because I survived osteogenesis imperfecta. Many people didn't."

Longtime friend and fellow musician Steven J. Givens, assistant to the chancellor, recently produced Robinson's debut CD, *Plenty Indeed for My Two Hands to Do*, proceeds from which will benefit St. Louis Children's Hospital.

BY LIAM OTTEN



Scott Robinson plays a custom-built Martin guitar. "My story is not a sad story at all," Robinson says. "It's a happy story because I'm still alive, because I survived osteogenesis imperfecta. Many people didn't."

Giving the gift of hope

G. Scott Robinson uses his musical talents to help sick and disabled children

"Scott is a strong and physical guitar player with an intricate style that keeps his hands moving and busy," Givens says. "But Scott's hands also move him through life — they push his wheelchair, drive his car, take care of his cats and keep watch over the University computer system."

"Now he wants to give something back to the world of pediatric medicine that once cared for him."

Primary Children's

Robinson was born in 1946 at Brooklyn Naval Hospital. He had two broken legs.

His parents consulted doctors in New York and Salt Lake City (including one physician then caring for Babe Ruth), and at the age of 6 months he entered Salt Lake City's Primary Children's Hospital. Except for a pair of short, unsuccessful attempts to live at home, Robinson remained there for the next 13 years.

Still, Robinson recalls his childhood with warmth and humor and describes Primary Children's as a place filled with music and activity. He learned songs in Sunday school; he met the Three Stooges and other celebrities; he played drums, ukulele and — after visits by Roy Rogers and the Sons of the Pioneers — a plastic, four-string Roy Rogers guitar.

Ironically, Rogers' visits also inspired a fascination with electronics: The young Robinson marveled as the familiar television icon came to full-color life before his eyes.

"As I got older, I learned that there was this thing called science and that television was just waves coming through the air translated into a cathode ray tube," Robinson recalls.

Visits by repairmen became

eagerly awaited events. He built a transistor radio kit. "Eventually I got to the point where I was able to fix things on my own," he says.

Through it all, hospital staff emphasized the same message: You are expected to move on. You are expected to contribute.

A little farther

Robinson rejoined his family, now living in Kirkwood, Mo., in September 1960.

His condition had stabilized. His arms had grown sturdy. With leg braces, he could even get up and down stairs. He entered seventh grade at the Special School District of St. Louis County.

Robinson's father — J. George Robinson, a professor of marketing and business administration and later associate dean of business at Washington University — nurtured that growing independence. For Christmas, he gave Scott a new wheelchair and encouraged him to explore the neighborhood.

"It was shiny with no rust and the spokes were tight and the rubber was brand new," Robinson recalls. "It even smelled great."

"My father said, 'Now, I want you to go outside and give it a try,' so I put on my coat and rolled up and down the street. When I came back he said, 'Great, great; now go a little farther.'"

Ten blocks later, Robinson happened upon a small shop crammed with guitars. Intrigued, he returned the next day and, amidst the clamor of post-holiday shopping, introduced himself to the store's owner, Mel Bay.

A legendary music teacher, Bay had once worked with disabled servicemen (his best-selling *Modern Guitar Method* books were developed for returning World War II GIs). Upon meeting Robinson, Bay pulled down a six-string and started playing.

Robinson was immediately entranced.

"Boy, that's for me!" he remembers thinking. "That's what I want to do. That's how I want to play."

It was the start of a lifelong friendship. Robinson spent hour after hour in Bay's store, soaking up encouragement, guidance and lots of impromptu tutoring (not to mention a generous line of credit and a trio of Bay's personal guitars).

Almost by osmosis, Robinson

began to master Bay's intricate method for strumming melody and rhythm simultaneously.

"I never had formal lessons, just hands-on instruction," Robinson remembers. "Put your fingers here, this is what you do."

Before long, Robinson was playing for customers.

Computers & guitars

After high school, Robinson set about finding a job. It wasn't easy.

He and his father researched companies that hired disabled students. There weren't many.

An opportunity arose at Washington University, one of about 20 institutions nationwide then building prototype laboratory instrument computers (LINC's). Generally considered the world's first personal computer, LINC was designed at the Massachusetts Institute of Technology in the early 1960s by Wesley A. Clark and Charles E. Molnar, both of whom subsequently joined the faculty here.

Still, someone was needed to actually construct and maintain the system. In 1967, Robinson got the job.

"I basically used the same tools — solder, transistors, diodes and things of that nature — I used as a kid to fix TVs," explains Robinson, who rigged power supplies, printed, drilled and assembled circuit boards and repaired parts as needed.

Subsequent projects have ranged widely, including everything from macro-modular graphics, a kind of early molecular modeling system, to his current duties overseeing the SMF stream, a massive, daily log of University business.

"If something needs to be done, I figure it out or find the right person to help me figure it out," he says.

In the early 1970s, that can-do ethos combined with Robinson's technical and musical gifts in a new pursuit: building guitars.

Today, the largely self-taught luthier happily spends months carefully designing, crafting and fine-tuning each instrument. His Dellwood, Mo., home boasts a climate-controlled workshop and an inventory of perhaps 250 soundboards and 500 necks.

"I make guitars for people I like and if they want to pay me for them, fine," Robinson quips. "It's like painting a portrait: You have to know the person, what kind of sound they're looking for."

For example, an instrument crafted for Givens, with whom Robinson frequently plays jazz

and folk, has "a mellow sound, bright highs and low basses" tailored to their intimate, coffee-house-style gigs.

Plenty Indeed

Yet Robinson has never forgotten his roots. In the mid-1970s, he taught guitar to disabled children through the Easter Seals Society and later did the same through the Kirkwood Civic Center.

Last October, Robinson and Givens — who had previously recorded together as part of *Seed & Sower* (1999), a benefit for a Honduran orphanage — began conceptualizing *Plenty Indeed*. The pair visited St. Louis Children's Hospital and met with doctors and patients.

Robinson was deeply moved, but he was also struck by a lack of music.

"I looked at Steve and said, 'That's it!'" Robinson recalls. "We're going to donate the funds for instruments and training and get a music program going for the kids."

After months of rehearsal, Robinson, bassist Gerry Kasper, percussionist Pat Dillender and vocalist Geogy Rock were ready for the studio. In a lightning-fast 28 hours, they recorded originals such as "Russian Blue," inspired by one of Robinson's cats — who had crawled inside a de-stringed guitar — and standards like "Moonlight in Vermont," for which Givens contributes vocals.

They also recorded several songs — "On A Slow Boat to China," "I Can't Give You Anything But Love," "I'm Beginning to See the Light" and "Tangerine" — that Robinson first encountered as a teenager in Bay's guitar shop.

The collection's title comes from its final track, "I Have Two Little Hands," which Robinson remembered from Sunday school at Primary Children's.

(*Plenty Indeed* is available at the Campus Store; by calling 869-9301; or by e-mailing Robinson at gsr@aimail.wustl.edu. Cost is \$15.)

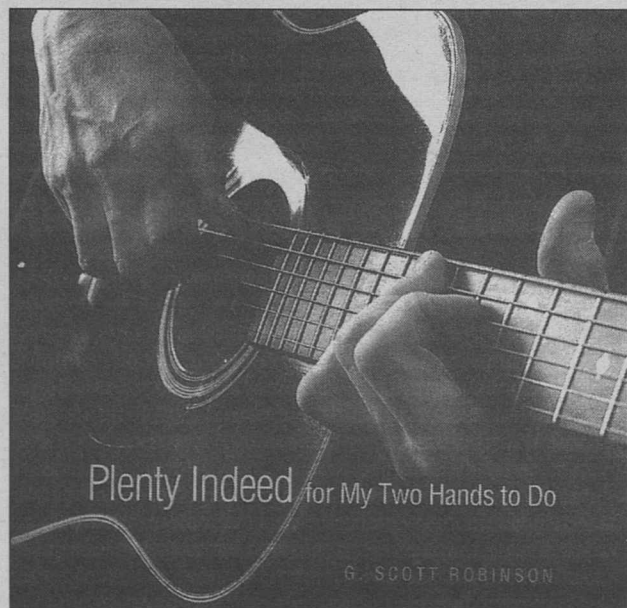
Most recently, Robinson joined a mentoring program in order to more directly work with disabled kids.

"I've beaten the odds and been able to live my life independently, but I still feel a sense of responsibility to others who feel their problems may be insurmountable," Robinson concludes. "Some of these kids ... they can't walk, they can't talk, they're in pain. I want to give them what was given to me."

"Hope."

"Scott is a strong and physical guitar player with an intricate style that keeps his hands moving and busy. ... Now he wants to give something back to the world of pediatric medicine that once cared for him."

STEVEN J. GIVENS



Proceeds from Robinson's CD, *Plenty Indeed for My Two Hands to Do*, will benefit St. Louis Children's Hospital.