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The annual celebration of the University's founding, to be held Nov. 5 at America's Center in downtown St. Louis, will feature a presentation by former New York Mayor Rudolph Giuliani and will honor members of the University community for their contributions and service. The six alumni who will be honored on Founders Day for their contributions to their alma mater are James F. Barker, John Gnaoulakis, Leonard Jarett, M.D., Stanley L., Proctor, Susan S. Stepton, Ph.D., and James M. Talent. The four faculty members who will receive awards for their outstanding commitment and dedication to the intellectual and personal development of students are James F. Keating, M.D., of the School of Medicine, Richard J. Smith, Ph.D., of Arts & Sciences, Karen Tokars, J.D., of the School of Law and Karen L. Wooley, Ph.D., of Arts & Sciences. The recipients of the Robert S. Brookings Award will be Adele Ditcher and Dori J. Schmich.

James F. Barker Barker is an architect and Clemson University's 14th president. As such, he has led Clemson to new heights as a major educational institution by doubling research in a three-year period, creating new economic development initiatives, increasing the quality of the student body and shepherding a strong rise in national rankings.

As a leader in the Americas collegiate arena, Barker serves as chair of the Commission on Colleges of the Southern Association of Colleges and Schools (the region’s accrediting agency) and has served that body in a number of ways. To stay connected to the classroom, Barker team-teaches an undergraduate course that explores "a sense of place" in architecture, literature and history. As an architect, he has been honored with the National Distinguished Professor Award of the Association of Collegiate Schools of Architecture, and named a Fellow of the American Institute of Architects.

Before entering academia, Barker was a partner in an architectural practice.

**Molecular drug pump may help reduce risk of Alzheimer’s**

A molecule that has long been an obstacle to cancer chemotherapy and drug treatments for brain disorders may soon become an ally in the fight against Alzheimer’s disease, according to researchers at the School of Medicine and the University of Rochester.

In studies to genetically modified mice, scientists found that the molecule, P-glycoprotein (Pgp), accelerates clearance from the brain of amyloid beta (A-beta) peptide, the primary component of the plaques that are the hallmark of Alzheimer’s disease. According to scientists, the new link between Pgp and A-beta could be key to unlocking enough to suggest several potential drug targets. Further studies may help us identify ways to reduce the production of the A-beta peptide, the primary component of the plaques that are the hallmark of Alzheimer’s disease. According to scientists, the new link between Pgp and A-beta could be key to unlocking enough to suggest several potential drug targets.

**Researchers find multiple proteins that stick to medical device surfaces**

BY TONY FITZPATRICK

WUSTL biomedical engineers have found a new role for the blood protein serum amyloid P in the body’s response to medical materials, which may help explain a variety of problems associated with heart surgery, hemodialysis and the use of artificial vascular grafts or break away to end up in the bloodstream over time. The new connection may, for example, explain why some patients develop symptoms of Pgp activity,” said co-author David Holtzman, M.D., the Anne and Benjamin P. Jones Professor of Neurology and the University of Rochester’s School of Medicine and Research Center.

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Work crews pour concrete to restore Forest Park Parkway just north of the Hilltop Campus.

BY ANDY GLENDENNEN

The MetroLink expansion project is on schedule to open in September or October, 2006. Milling and paving of Forsyth Boulevard, scheduled for Oct. 27, will complete the road reconstruction near West Campus. However, Forsyth cannot reopen to all four lanes until Amersen Ull delivers power to traffic-signal locations. An estimation of the completion date for traffic signal work was unavailable.

Much of Forest Park Parkway between Forsyth and Kingsland Avenue is complete. Traffic signal work must be done before some parts can be reopened.

Work on the southeast access to the Big Bead Boulevard and the Parkway is scheduled to continue until February. Lane restrictions around The Village will continue through that time period.

Tuition construction crews will be working on the Parkway, paving from Kingsland to Skinker Boulevard.

The completion of the Parkway is very congested with frequent delays, often of 10-15 minutes. University traffic is being strongly encouraged to use other routes to access the north side of the Hilltop Campus.

Work on the station at Skinker and the Parkway continues.

Many of the roof planks are in place, significantly reducing the work that is available between the university's 276 North Skinker and 101 West Kingsland campuses.

Work continues on excavation and construction of the southwest access ramp and the pedestrian tunnel that runs diagonally under Skinker to the station.

Hilltop Campus

Phase IVB Housing: Pier work and sewer work are complete on this South 40 project. The lower-level garage beam and column work is complete. The superstructure work and under-ground plumbing work is in progress. Occupancy is scheduled for spring 2006.

Sam Fox School of Design & Visual Arts: For the Mildred Lane Kemper Art Museum, the central plaza structural slab has been placed. Exterior concrete masonry unit (CMU) work continues on the north and west elevations, and mechanical, electrical and plumbing (MEP) rough-in installations continue in the lower level and first floor.

The structural steel and slabs are complete for Earl E. and Myrtle S. Waller Hall. Drain tile and backfill work also continues on the exterior.

The MEP rough-ins have begun in the lower level as well as interior CMU.

Construction Update is published periodically and provides information about the progress of major building and renovation projects. Information is provided to the Record by facilities management.

Confronted with the need to renovate the Box, the Board of Curators moved quickly to find money to complete the job.

"Making Economic Policy, 1D81-82, covers his time as the first chairman of the Council of Economic Advisers for President Ronald Reagan. Weidenbaum has been a faculty member in the Department of Economics in Arts & Sciences since 1964. While serving Reagan, Weidenbaum was instrumental in crafting the administration's policy and was an important public voice for the administration on economic and financial matters.

From 1982-89, Weidenbaum was a member of the President's Economic Policy Advisory Board. Earlier, he was the first assistant secretary of the treasury for economic policy in the Nixon administration. Weidenbaum has served as fiscal economist for the U.S. Bureau of the Budget and as the corporate economist for Boeing. He serves on various boards and advisory panels.

He is the author of eight books, including The Rand-Renner Calculus. Big Defense.

Additional support for this program is provided by the St. Louis Business Journal and Piper Jaffray.

Admission is free, but those who wish to attend should RSVP via the recorded RSVP line, 935-5418.

For more information, call 935-5418.

Louisiana poet laureate Osbey to host Katrina fund-raiser today

By NEIL SCHNEIDER

Prior to Hurricane Katrina, Osbey was artist-in-residence at Dillard University, where she conducted seminars and colloquia in literature, music and New Orleans African-American culture. She currently is a visiting assistant professor of English at Louisiana State University.

In addition, Young is the editor of the anthology "This Is Where I Came From." She has been selected to represent Texas in the American Book Award, which won the 1994 National Book Critics Circle Award for criticism, and One Nation Under a Groove: Motown and Modern American Culture, which has been selected to represent New York.

She has been a recipient of the Ford Foundation Grant, the National Endowment for the Arts and the American Academy of Arts and Letters. Young has received many other awards, including a Guggenheim Fellowship, a Rockefeller Foundation Grant and a MacArthur Foundation "genius" grant.

She is a member of the advisory board of the Kitchen, a New York City-based artist-run center that promotes the development of new artistic forms. She is also a member of the board of trustees of the Poetry Project, a literary center in New York City.

Osbey is the author of eight books, including The Rand-Renner Calculus. Big Defense.

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Scholarship information being e-mailed to students

BY NEIL SCHNEIDER

Each year, many students receive scholarships that are awarded by non-governmental sources outside the University. These scholarships are referred to as "outside scholarships," and examples include awards from corporations, foundations, or religious or civic organizations.

Some offices search for information on outside scholarships and will list them on their Web site. Students can also search for information on their own Web sites.

The SRC was started in 2003. It began as a response to students' interest in learning more about outside scholarships and Student Financial Services' desire to help students contribute to the cost of their education.

The SRC contains information about how to apply for more than 250 outside scholarship opportunities for graduate and undergraduate students. New scholarships are added to any scholarships that are listed.

The SRC has been very successful and now includes two workshops for students at North Brookings Hall, where students can search for outside scholarships. "It is important to us," said she hopes the new e-mail service will help students contribute to the cost of their education.

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High blood sugar impairs blood flow to heart in diabetics

“IT can be very challenging for diabetic patients to maintain normal blood sugar. But this study pro-
vides yet another reason to push for tight control of glucose levels. If instituted early enough, tight
glucose control may potentially reduce heart problems in diabetic patients.”

JANET B. McGUIll

“High blood sugar impairs blood flow to heart in diabetics

"This autopsy" made it obvious that the genetic changes in these families were somehow disrupting the activities of genes responsible for making the parathyroid glands during embryonic develop-
ment. Four years later, a team at Oxford led by Dr. Rajesh Thakker determined where those changes were taking place on the X chromosome.

Michael Whyte

A n international team of researchers has partially untangled the genetic details of a mysterious disorder that for-
merly caused seizures and death in infant boys within a month of birth. The researchers discovered a rare change in the DNA of two eastern Missouri families with a history of a condition called X-linked recessive idiopathic hyper-
parathyroidism (XLHPT). In this disorder, a portion of the X chromosome, a human sex chromosome, has been removed and replaced by a copy of a much larger section of genetic material from the Y chromosome. Alterations of such large regions of genetic code are rare and have never before been observed in human X chromosomes.

The study was led by scientists at Washington University and included researchers from the Washington University School of Medicine and Shriners Hospital for Children in St. Louis. Although there initially seemed to be two sepa-
rata locations affected with the disorder, in 1996 researchers were able to scientifically detect signs of a common ancestor between the two family lines. It was at this point that the negative link to blood calcium levels and parathyroid hormone secretion may actually be due to a gene that had been reset and no longer functions.

"It's known that diabetes causes the heart to become an organ of primary concern for endocrinologists and people with diabetes," McGill said. "And although physicians previously were concerned with the risk of coronary artery dis-
ease in diabetics, it appears that diabetes must also consider the impact of high blood glucose on ener-
gy metabolism in the heart." Gropler and his colleagues are now conducting a study of metabolic changes that occur in type 2 diabetes.

"We are focusing on blood fat levels in this next study," Gropler said. "We want to see if drugs that reduce blood fat lev-
els and thus decrease fat deliv-
er to the heart will have benef-
cial effects on the metabolism of heart muscle as well as blood flow to the heart.

For this study, the research team is recruiting patients over 18 with type 2 diabetes and without known coronary dis-
ease to perform a complete physical exam, in-
cluding a battery of tests to assess cardiac function, and will be followed up for 4-6 months on a study medication.

For more information, call 362-8604.
University Events

Human rights advocate Bright to speak for Assembly Series

By NADEE GUNASENA

Nationally recognized attorney and author Stephen B. Bright, J.D., will discuss crime, race and poverty and the state of the U.S. prison system in a lecture titled "Crime, Prison, and the Death Penalty: The Influence of Race and Poverty." Mr. Bright is best-known as director of the Southern Center for Human Rights in Atlanta. This public interest law project provides legal assistance to the impoverished in cases involving the death penalty and criminal law at Yale University and Harvard University's law schools. He earned his law degree at the University of Kentucky.

Bright will have extensively on the topics of criminal justice, incarceration, and the death penalty. His articles have been published in prominent law journals around the world.

Throughout his career, he has received several awards including the American Bar Association's Thurgood Marshall Award and the Rosen-Baldwin Medal of Liberty presented by the American Civil Liberties Union. Throughout his career, he has written extensively in the areas of law and social justice.

Bright teaches courses on the death penalty and criminal law at Yale University and Harvard University's law schools. He earned his law degree at the University of Kentucky.

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Commission on Safety and Abuse in America's Prisons to hold hearing here

By JESSICA MARTIN

On any given day, 2.2 million people are incarcerated in the United States, and over the course of a year an estimated 1.5 million individuals cycle through the system, in some form of period of time.

The Commission on Safety and Abuse in America's Prisons, a year-long national effort to explore the modern prison system, will hold hearings here.

We seek, and our new admissions package to TFA corps members and alumni, such as:

- One-for-one tuition award for members and alumni granted educational tuition funds for funds, including G.W. St. Louis 2000 Scholarship Award for two alumna, director of Teach For America, will give a talk at 4 p.m. in the Bryn Mawr School of Social Work Alumni Center.

This hearing will provide a great opportunity for that kind of learning, for the commission, and also for our community, including our students and faculty.

In addition, the School of Law, will focus on corrections officers — a vast, yet poorly understood workplace that should be a site of community mobilizations, often without adequate leadership, training or resources.

Officers, administrators, labor leaders and former prisoners and other witnesses will describe priv

Social work offers incentives to Teach For America

By JESSICA MARTIN

Teach For America (TFA) is partnering with the George Washington University Biophysics Biophysical Science Seminar. "Biological Nanotechnology: Navigating through and beyond the Endoplasmic". Jim & Janet Schaefer, space, prof. of pathology and semiotics, Albert, CA 63000. 5:30 p.m.

Wednesday, Nov. 9

11 a.m. Assembly Speaker, Honorable Lieutenant Governor, "Hickok Dentist in the News: The History and Women". Mrs. James B. Hickok, address, 400. 5:30 p.m.

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Honorees

Stepleton is recognized a public policy leader — From Page 1

The native of Kingsport, Tenn., earned a master's degree in architecture and urban design from Washington University in 1973.

John Gianoulakis

After graduating from Washington University in 1960 with a degree in political science and economics, Gianoulakis went to Harvard Law School, where he earned a law degree in 1963.

He has served his community and his profession in significant ways. He has represented school districts in the historic interdistrict desegregation case.

One susp

In addition, Gianoulakis has served as an ex-officio member of the Board of Directors and for Legal Services of Eastern Missouri, a member of the Governor's Conference on Education, and a member of the boards of the Diabetes and cancer centers at the St. Louis Children's Hospital.

In addition, Jarett was assistant dean of faculty affairs and was the inaugural holder of the Simon Fleckner Chair.

He has represented school districts in the historic interdistrict desegregation case. He has served as a member and president of the University City School Board.

Stanley L. Proctor

Proctor's career with Monsanto began in 1959 as a systems engineer, working in the emerging area of process simulation computers. Throughout his career with Monsanto, he held many technical and managerial leadership positions in the fields of engineering, manufacturing and process technology, as well as in research and development. At the time of his retirement in 1993, Proctor was director of engineering technology and services for Monsanto's Chemical Group. He also helped introduce awareness of diversity concerns to the firm.

He is now president of Proctor Consulting Services.

He earned three degrees from Washington University's School of Engineering and Applied Science: a bachelor's degree in 1957; a master's in 1958; and one report of his achievements in 1963.

Proctor has served his profession in a number of distinguished ways, among them as a representative and as past chairman of the Board of Directors of the U.S. Conference for International Engineering Practice, as past president of the American Chemical Society, as a member of the Board of Trustees of AIRC's foundation. For his contributions to the chemical engineering profession, he has received many of AIRC's distinguished awards, as well as being named a fellow of the institute.

Furthermore, he is the recipient of the Rodney D. Chipps Memorial Award of the Society of Women Engineers and the Malcolm E. Pratt Award from the Council for Chemical Research. A dedicated and active alum

suspect described as an African-American male in his mid-20s, about 6-foot-3, clean-shaven and wearing a black leather coat, black shirt and black jeans.

The officer described a suspect who fled east on I-44 in a black car.

Additionally, University Police responded to three larcenies, three parking violations, two reports of suspicious persons, and one report of assault, fire, fraud and auto accident.

Donald Ebert, Ph.D. (right), works with graduate student Evan Scott in a laboratory in Whittaker Hall.

The following incidents were reported to University Police Oct. 19-20. Readers with information that could help police are urged to call 935-5500. This information is provided as a public service to prevent unnecessary anxiety or concern. There were no active threats at the University on Oct. 19-20.

- From Page 1

Protein

Leukocytes can activate clotting — From Page 1

cular disease.

Normally, serum amyloid P is involved in the regulation of a toxin that is released from dying cells, protecting the individual from autoimmune disorders.

"No one had ever observed serum amyloid P on biomaterials before, because, unless you were specifically looking for them, the technology wasn't around to easily identify proteins present in such small amounts," Ebert said.

"No one, including, had ever posed the hypothesis that this protein might be important in the biomechanics of material," he added.

Serum amyloid P is known to activate blood cells — adhered to the surface. Leukocyte adhesion and activation on biomaterials is an important part of the body's response to mechanical devices.

"It's really exciting that even after over 60 years of research in the area, there is more to learn about how blood interacts with materials," Ebert said.

School of Social Work, she has been a member of the school's advisory faculty and has served as a procedural practice instructor and special guest lecturer.

James M. Talent

The native of St. Louis earned a bachelor's degree from Washington University in 1978. After graduating from the University of Chicago Law School in 1981, Talent clerked for Judge Richard J.M. Posner of the U.S. Court of Appeals.

Talent's public service career began when he was elected to Missouri's House of Representatives as a minority leader until 1992, when he ran for Congress.

Even as a newcomer, he was an energetic and far-sighted leader. Talent's public service would have future impact on the country, such as the Real Welfare Reform Act of 1996, which became the basis for the historic reform bill that changed the face of welfare under the Clinton administration.

During this time, Talent also helped design the Community Renewal Act, giving leaders the tools to strengthen their communities. In 1997, he was named chairman of the House Small Business Committee.

Since being elected a U.S. senator in 2002, Talent has served on the Agriculture, Nutrition and Forestry Committee, the Armed Services Committee, the Environment and Natural Resources Committee and the Committee on Commerce.

In addition, he chairs the Armed Services Subcommittee and the Agriculture Committee's subcommittee on the budget, and product promotion. President Bush has chosen Talent to serve on the Export Council.

The Founders Day event, host

The items were taken from her office in McKeen Hall.

The suspects described a hand- gun and demanded money from the teller.

The suspects fled east on Washington Avenue.

One suspect is described as a black male, wearing a black baseball cap with black and white lettering.

Additionally, University Police responded to three larcenies, three parking violations, two reports of suspicious persons, and one report of assault, fire, fraud and auto accident.

Campus Watch

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Normally, serum amyloid P is involved in the regulation of a toxin that is released from dying cells, protecting the individual from autoimmune disorders.

"No one had ever observed serum amyloid P on biomaterials before, because, unless you were specifically looking for them, the technology wasn't around to easily identify proteins present in such small amounts," Ebert said.

"No one, including, had ever posed the hypothesis that this protein might be important in the biomechanics of material," he added.

Serum amyloid P is known to activate blood cells — adhered to the surface. Leukocyte adhesion and activation on biomaterials is an important part of the body's response to mechanical devices.

"It's really exciting that even after over 60 years of research in the area, there is more to learn about how blood interacts with materials," Ebert said.

School of Social Work, she has been a member of the school's advisory faculty and has served as a procedural practice instructor and special guest lecturer.

James M. Talent

The native of St. Louis earned a bachelor's degree from Washington University in 1978. After graduating from the University of Chicago Law School in 1981, Talent clerked for Judge Richard J.M. Posner of the U.S. Court of Appeals.

Talent's public service career began when he was elected to Missouri's House of Representatives as a minority leader until 1992, when he ran for Congress.

Even as a newcomer, he was an energetic and far-sighted leader. Talent's public service would have future impact on the country, such as the Real Welfare Reform Act of 1996, which became the basis for the historic reform bill that changed the face of welfare under the Clinton administration.

During this time, Talent also helped design the Community Renewal Act, giving leaders the tools to strengthen their communities. In 1997, he was named chairman of the House Small Business Committee.

Since being elected a U.S. senator in 2002, Talent has served on the Agriculture, Nutrition and Forestry Committee, the Armed Services Committee, the Environment and Natural Resources Committee and the Committee on Commerce.

In addition, he chairs the Armed Services Subcommittee and the Agriculture Committee's subcommittee on the budget, and product promotion. President Bush has chosen Talent to serve on the Export Council.

The Founders Day event, host
Notables

Lee D. Heffer, Ph.D., research instructor of medical engineering, recently accepted a two-year, $343,000 grant from the National Institutes of Health, National Institute on Drug Abuse, for research within the context of the mission of their organization. Gift of $450,000 awarded for his study, "Time and Brain Based System Software Construction," plans $400,000 award supports his study, "Systematic Programming." The awards are for five years.

Football team wins conference finale
The Redhawks wrapped up league play with a 28-7 win at Carnegie Mellon University on Oct. 22 in Pittsburgh. The Bears improved to 4-0 and became playoff eligible. Senior receiver Brad Durinstding had the big catch for a season-high 190 yards and a career-high three touchdowns. He needs just 120 receiving yards in the final two games to become the second player in NCAA history (Division I) to reach 2,000 yards in a season.

Women's soccer rolls past Fontbonne
Senior Marcy McCarthy scored the first two goals of the game to lead the women's soccer team to a 3-0 win over Fontbonne University on Oct. 19 at Field, with the win, Washington University improves to 8-6-1.

McCarthy got the Bears on the board late in the first half as she took a cross from sophomores Abi Hartmann and one-timed it into the back of the net for her second goal of the season. McCarthy made it 2-0 just 48 seconds later as she got past the defender from junior Talia Bucci and one-timed it from past Fontbonne goalie Claire Ward for her second goal of the game.

Freshman Shirley Lioe, sophomore Kells O'Dwyer and senior Meg Lag added goals in the second half to pull the Redhawks to a 5-0 win.

On the Web
For complete sports schedules and results, go to bearsports.wustl.edu.
Marc R. Moon, M.D., professor of surgery, narrates a scene from the screenplay "Emerging Heroes," which Moon directed and produced. Moon is also the co-founder of the Center for Thoracic Aorta at Washington University in St. Louis. He says, "I'm a screenwriter. I don't do cardio," but recently has been making the transition from being a cardiac surgeon to being a heart surgeon due to his passion for film and the desire to bring important medical stories to the screen.

Marc R. Moon, M.D., (left), makes rounds with Alan C. Braverman, M.D., as part of the Center for Diseases of the Thoracic Aorta. "(His) NIH grant-supported laboratory research is world-class," says colleague Michael K. Pasque, M.D., "and he always had this while maintaining the busiest clinical practice in our division."