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Record

Nov. 7, 2003

Volume 28 No. 13

Treasuring the Past



Washington University in St. Louis

Shaping the Future

Celebrating 150 Years

University to host presidential debate

BY ANDY CLENDENNEN

Washington University will host the presidential debate scheduled for 8 p.m. Oct. 8, 2004, according to an announcement made Nov. 6 by Paul G. Kirk Jr. and Frank J. Fahrenkopf Jr., co-chairmen of the Commission on Presidential Debates (CPD).

This is the fourth consecutive time the University has been selected by the CPD to host a debate. As with previous debates, the 2004 event will be held in the Athletic Complex.

The University hosted the first presidential debate held prior to the 1992 election, was selected to host a presidential debate in 1996

that eventually was canceled, and hosted the third and last presidential debate of the 2000 campaign season.

"It is an honor and a privilege to once again be chosen to host one of the presidential debates," Chancellor Mark S. Wrighton said. "To host such an event at Washington University is a significant responsibility and the effort is one that will bring important benefits to St. Louis and the Washington University community."

"The 2004 presidential election will stimulate much national and international interest, and hosting a debate will engage our community in issues that will affect our future. Being

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(From left) Robert L. Bagby, chairman and chief executive officer of A.G. Edwards; Chancellor Mark S. Wrighton; Pat Mercurio, president of Bank of America-Missouri; and Steven H. Lipstein, president and chief executive officer of BJC HealthCare, visit before the Nov. 6 presidential debate news conference.

JOE ANGELES

Study enables genetic screen for severe condition

BY MICHAEL C. PURDY

A protein that helps keep immune system cells from mistakenly swallowing and destroying healthy cells has been linked to an inherited disorder with symptoms similar to severe food poisoning, according to researchers at the School of Medicine and the University of Newcastle in the United Kingdom.

The results make it possible to genetically screen patients for one form of atypical hemolytic uremic syndrome (atypical HUS), a rare but potentially life-threatening condition linked to excessive blood clots and kidney failure.

Normal HUS, often in the headlines because of food-related outbreaks, is caused by consumption of a toxic form of the bacteria *E. coli* and includes an additional symptom: bloody diarrhea.

"Based on what we've discovered, atypical HUS patients would be susceptible to more damage anytime they have tissue injury," said John Atkinson, M.D., the Samuel Grant Professor of Medicine. "In a heart attack, for example, these people might get 20 percent to 30 percent more tissue damage. There are new drugs coming on the market that may help us limit this damage."

The new study, published in the Oct. 17 edition of the *Proceedings of the National Academy of the Sciences*, links atypical HUS to membrane cofactor protein (MCP), which researchers in Atkinson's laboratory discovered in 1985.

"In most situations, when you find a new protein, you just genetically disable or remove the protein in the mouse," Atkinson said. "That can't be done here because in the mouse, this protein is only expressed on the head of sperm, while in humans it's found throughout the body. So we didn't have a model to look at and were trying to find the first human deficiencies of this, not knowing where or how to look."

The answer came from Timothy Goodship, M.D., a nephrologist at the University of Newcastle. Goodship's group was studying a registry of families in which more than one member had atyp-

See Protein, Page 6



Hare-raising experience *Thinker on Rock*, one of the University's most popular sculptures, is moved by a crane in preparation for repair work. The sculpture is coming loose from its base and needs further bracing and reinforcement; the repairs are estimated to take 2-3 weeks. Larson Engineering and Acme Erectors — who originally installed the piece — are working on finding ways to improve the stability without compromising the sculpture itself. Students, faculty and staff are asked to leave the sculpture alone while the renovation is in progress.

'Future of Freedom' is topic of Arts & Sciences 'Conversation'

BY SUSAN KILLENBERG MCGINN

"The Future of Freedom" will be the topic of "Conversation" when scholars gather Nov. 13 at the University for the second of a four-part series of discussions on key issues that will affect the future of the University, the community and the world.

Arts & Sciences is sponsoring the four "Conversations," which are free and open to the public, as part of the University's 150th anniversary celebration. "The Future of Freedom" Conversation will be held from 10-11:30 a.m. in Graham Chapel.

Richard W. Davis, Ph.D., professor emeritus of history in Arts & Sciences, will moderate the discussion. From 1989-2003, Davis directed the Center for the History of Freedom in Arts & Sciences, which over 12 years published a landmark 15-volume series chronicling the birth and development of basic human freedoms. He also served as general editor of the series, titled *Making of Modern Freedom*.

The scholars participating in the Conversation on freedom are: Douglass C. North, Ph.D., the Spencer T. Olin Professor in Arts & Sciences and professor of economics in Arts & Sciences; Orlando Patterson, Ph.D., the John Cowles Professor of Sociology at Harvard University; James Sheehan, Ph.D., the Dickason Professor in the Humanities and profes-

sor of modern European history at Stanford University;

Martha Vicinus, Ph.D., the Eliza M. Mosher Distinguished University Professor of English, Women's Studies and History at the University of Michigan; and Gordon S. Wood, Ph.D., the Alva O. Way University Professor and professor of history at Brown University.

"Freedom is not a question that will ever stand still," Davis said in explaining why the topic was selected for a Conversation. "If we have freedom now, we can never be sure we always shall. Partly this is because threats to freedom have a way of repeating themselves. A nation that during World War II watched with equanimity while its government stripped over 100,000 U.S. citizens of all their constitutional protections and interned them, cannot ignore possible implications of similar issues today."

"And, of course, this episode is also a reminder of how often in the course of their history prejudices of all sorts have blinded Americans to issues of freedom as plain as the noses on their faces," Davis continued.

"If the preservation of freedom requires constant vigilance, it also requires careful consideration of the institutions that will best sustain it. The symbiotic relationship between freedom and a free market economy has long

See Conversation, Page 6

Flex spending plan open enrollment ends Nov. 30

Active faculty and staff wanting to save money on their out-of-pocket health and/or child-care expenses can enroll in the University's flex spending plans for calendar year 2004 during the open enrollment period Nov. 1-30.

These plans allow employees to avoid paying federal, state and Social Security/Medicare taxes on money specifically set aside from their paychecks into the spending accounts.

The annual limit is \$5,000 for the health-care spending plan and \$5,000 for the dependent child-care spending plan. Employees can enroll in either plan or both.

Interested employees — even those who are enrolled for 2003 — must enroll by the Nov. 30 deadline to ensure their participation for 2004.

Those expenses that are not covered by your health, dental, prescription drug or vision benefits can be reimbursed from the pre-tax health-care spending account. Examples of qualifying expenses include: deductibles, co-insurance, office visit co-pays, prescription drug co-pays, hospital emergency room co-pays, LASIK surgery, noncovered prescription drugs, over-the-counter medications and drugs (new this year), eyeglasses, contact lenses

and hearing aids.

Child-care expenses include services provided by a licensed day-care center, pre-school or baby sitter. To be eligible, this service must be rendered for the sole purpose of allowing a single parent, both spouses of a married couple, or both a parent and his/her domestic partner to work or seek an education on a full-time basis.

"Our employees who are enrolled in these plans enjoy a definite tax savings," said Tom Lauman, director of benefits, "a current tax savings that won't be deferred or paid later like our

See Flex plans, Page 6

This Week In WUSTL History

Nov. 10, 1923

Herbert Spencer Hadley, a former Missouri governor and professor of law at the University of Colorado, was inaugurated as the seventh chancellor, serving until 1927.

Nov. 12, 1969

Consumer activist Ralph Nader gave a speech on "Consumer Protection and Corporate Liability" for the Assembly Series.

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

Civil rights digital archive to be created through grant

By ANDY CLENDENEN

University Libraries is one of three recipients of a nearly \$500,000 grant to produce a prototype of a digital library collection focused on the Civil Rights Movement in the United States.

University Libraries, along with The Media Library of the WGBH Educational Foundation and the Birmingham Civil Rights Institute (BCRI), will share the \$499,134 grant to develop broadband solutions to meet the challenge of matching rich media archives with educational needs.

"We expect that this will be the first of several grants to support the care and dissemination of materials on this important period in American history — the Civil Rights Movement," said

Shirley K. Baker, dean of University Libraries and vice chancellor for information technology.

Building on WGBH's Teachers' Domain online platform, this initiative will feature multimedia assets of all three organizations, highlighted by extensive oral histories recorded by BCRI, the encyclopedic resources of the Henry Hampton Collection housed within the Media and Film Archive at the University, and broadcasts and video programming at WGBH.

The final product will include primary source interviews, dramatic recreations, historical footage, supporting teacher guides and companion Web sites that will significantly extend its educational impact.

Expert on Chinese law to lecture Nov. 10

By JESSICA MARTIN

Jerome A. Cohen, a leading American specialist on Chinese law, will present a lecture on "Criminal Justice & U.S.-China Relations" at 3 p.m. Nov. 10 in the Bryan Cave Moot Courtroom of Anheuser-Busch Hall.

Cohen, professor of law at New York University and of counsel at Paul, Weiss, Rifkind, Wharton & Garrison, has expertise in business law relating to Asia and has represented foreign companies in contract negotiations and dispute resolution in China,

Vietnam and other countries of East Asia.

He serves as director of Asia Studies at the U.S. Council on Foreign Relations and is adviser to the government of Sichuan province in China.

A question-and-answer session and reception will be held after his talk, which is free and open to the public. It is sponsored by the Whitney R. Harris Institute for Global Legal Studies in the School of Law.

For more information, e-mail Linda McClain at lmclain@wulaw.wustl.edu.

'Globalization, the State, and Society' conference

By JESSICA MARTIN

The Center for Interdisciplinary Studies and the Whitney R. Harris Institute for Global Legal Studies in the School of Law and the Department of Political Science in Arts & Sciences will present a conference called "Globalization, the State, and Society" Nov. 13-14 in the Bryan Cave Moot Courtroom of Anheuser-Busch Hall.

This event is part of the Sesqui-centennial celebration.

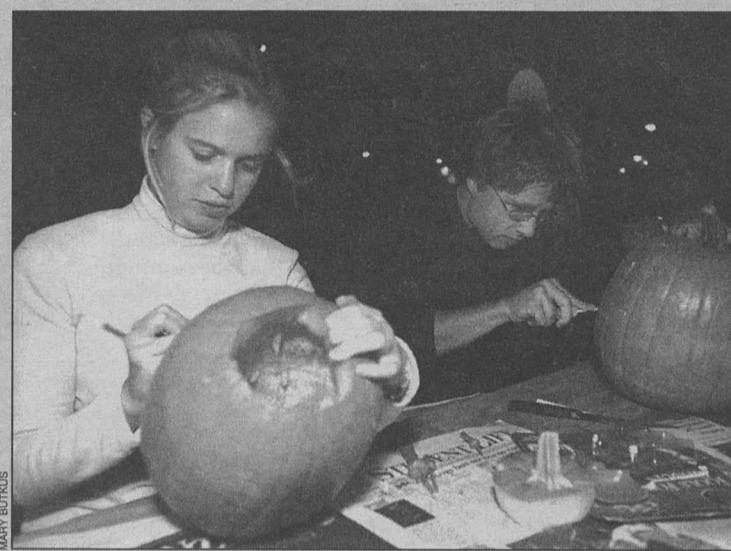
The conference will explore issues and debates over the relationship between globalization and sovereignty and the prospects

for the modern social welfare state and state-society bargains in an increasingly global economy.

Conference panels are interdisciplinary, with panel members representing the fields of political science, economics and law. Panelists include members of the University faculty and experts from around the world.

Papers presented by the panelists will be compiled into an edited volume to be released in 2004.

The conference is free and open to the public. For more information, e-mail Linda McClain at lmclain@wulaw.wustl.edu.



Halloween fun

Above, freshman "angel" Kelsey Rohlick gives a piece of candy to 2-year-old Jordyn Guy, grandson of Jean Cowan (right), member of the housekeeping staff, during the Campus Y's annual Safe Trick-or-Treat Oct. 29 in the South 40. More than 250 children participated in the event, which provided an opportunity for St. Louis-area youngsters to trick-or-treat in a safe environment. At left, sophomores Carrie Fuller (left) and Maher Shea try to come up with a winning design during a pumpkin-carving contest.

Beloved children's author Paterson to read Nov. 17-18

By LIAM OTTEN

Acclaimed children's author Katherine Paterson, who wrote of *Bridge to Terabithia*, will host a pair of events for the 2003-04 Center for the Humanities in Arts & Sciences' Writers Series Nov. 17-18.

At 8 p.m. Nov. 17, Paterson will read from her work in Anheuser-Busch Hall, Room 204.

At 4 p.m. Nov. 18, she will lead a seminar and audience discussion on the craft of writing in McMillan Café, McMillan Hall,

Room 115.

Paterson has written more than 20 books for young people, including *Bridge to Terabithia* (1977) and *Jacob Have I Loved* (1980), both winners of the Newbery Medal; and *The Great Gilly Hopkins* (1978), winner of the Newbery Honor Award.

Other novels include *Come Sing, Jimmy Jo* (1985), *Flip-Flop Girl* (1994), *Preacher's Boy* (1999) and *The Same Stuff as Stars* (2002).

Picture books include *The King's Equal* (1992) and *The Angel and the Donkey* (1996), as well as the "I Can Read" books *The Smallest Cow in the World* (1988) and *Marvin One Too Many* (2001).

Paterson also is the author of several essay collections, including *Gates of Excellence* (1981) and *The Invisible Child* (2001), which explore the craft of writing for children. Her numerous awards include the prestigious Hans Christian Andersen Medal (1998) for her body of work.

Paterson is known for crafting perceptive stories of children doing the difficult work of growing up. *Bridge to Terabithia*, her breakthrough novel, tells the story of Jess, the fastest boy in the fifth grade, and Leslie, a tomboy newcomer who threatens his title.

Yet despite their competition — or perhaps because of it — the two grow close and create the magical, imaginary land of Terabithia, a secret kingdom in the woods. In one tragic moment, however, Terabithia shatters into grief and loss, yet also becomes, through sheer strength of will, an enduring testament to the power of friendship.

Friendship and transformation also lie at the heart of *The Great Gilly Hopkins*, which tells the story of Gilly, a jaded foster child who, when placed in a new home, is forced to confront her own racial prejudices. *Jacob Have I*

Katherine Paterson

• 8 p.m. Nov. 17 in Anheuser-Busch Hall, Room 204: Reading from her work

• 4 p.m. Nov. 18, in McMillan Hall, Room 115: Leading a seminar and audience discussion on the craft of writing

Both events are free and open to the public and are sponsored by The Center for the Humanities. Copies of Paterson's works will be available for purchase, and a book-signing and reception will be held after each.

Loved (the title refers to the biblical story of Jacob and Esau) examines themes of jealousy and isolation through the turbulent relationship between a pair of twin sisters, Louise and Caroline.

The *School Library Journal* praises *The Same Stuff as Stars*, Paterson's most recent book, as a "beautifully written, wonderfully told story that exposes some of the most disturbing parts of our

society while at the same time teaching the value of each and every person. . . . A new novel by Paterson is cause for great celebration and this one more than measures up."

Publishers Weekly concurs, adding that "few authors explore the theme of what defines a family with more compassion and sensitivity than Paterson."

Paterson was born in Huai'an, China, the daughter of missionary parents. She grew up in China and the United States and worked for several years in Japan. She lives in Barre, Vt.

Both University events are free and open to the public and are sponsored by The Center for the Humanities. Copies of Paterson's works will be available for purchase, and a book-signing and reception will be held after each program.

For more information, call 935-5576.



Paterson

PICTURING OUR PAST



Led by captain Tom Hanks (no, not that one!), the University's Quiz Bowl team ponders a question in the 1961 finals of the game show. WUSTL lost in the finals to Pomona College. Team members were (from left) Marcella Milcic, Hanks, Valerie Rudolph and Holden Baker. The *GE College Quiz Bowl* was popular in the late 1950s and early 1960s and was broadcast on CBS from 1959-1963 and NBC from 1963-1970. The format of the show was two teams of four players each were asked a tossup question that could be from any walk of life. The team that buzzed in first and answered correctly received a bonus set of questions, not necessarily on the same topic. Games were played either to a time limit or to a set number of tossup questions.



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

School of Medicine Update

'Visualizing' Tourette syndrome

Imaging reveals what goes on in the brain

By JIM DRYDEN

School of Medicine neuroscientists are studying the brains of patients with Tourette syndrome to see whether they can identify differences in the dopamine system in people with the tics that characterize the syndrome.

The researchers recently received a grant from the Tourette Syndrome Association to use positron emission tomography (PET) imaging to compare dopamine release and uptake in the brains of Tourette patients to people without the syndrome to learn how the important neurotransmitter functions differently in people with the syndrome.

Movies, television shows and other popular media tend to portray people with Tourette as whooping, shuddering and cursing uncontrollably, but the syndrome often is much more subtle, according to Kevin J. Black, M.D., assistant professor of psychiatry, of neurology and of radiology.

"Imagine you're in church during a quiet time of prayer or at the symphony during a soft section of music, and you realize you have to cough," Black said. "You try to stifle the cough, but your body doesn't want to cooperate. Tourette syndrome is something like that, except it's all day, every day."

Black said many people with the syndrome feel that unwanted

movements or tics are not the problem as much as the uncomfortable sensations and urges to move that precede them.

Scientists once thought it was a very severe and rare condition, but now the range of severity involved in Tourette syndrome is understood to be much broader. Scientists have also discovered the number of people with the tics that characterize the syndrome is much greater than previously thought.

"Most people with Tourette syndrome function entirely normally and have a job and family," he said. "The severity of symptoms can wax and wane over time. There are some people with very severe symptoms such as involuntary cursing, but that's only a small minority."

"It's much more common for people to say brief fragments of words or to sniff, cough or hum. Involuntary movements usually involve simple movements like blinking, head shaking or shoulder shrugging."

Black and his colleagues believe one thing that may be different in people with Tourette is dopamine. Past research has shown drugs that interfere with dopamine messages in the brain also suppress tics.

Black's research team has also noticed that increasing the brain's dopamine levels with levodopa — a natural amino acid that has been used for many years to treat movement disorders like Parkinson's disease — may improve tics.

Originally, the researchers worried that boosting dopamine levels with levodopa might make tics worse, but during the first several minutes after receiving the drug, researchers noticed improvement in tics.

Black's group is conducting a clinical study to determine whether long-term treatment with levodopa might help people with

Tourette keep their tics under control.

The researchers are also using imaging techniques to see what the brain does in response to levodopa. One study found that treatment with the drug helps people with the syndrome perform certain memory tasks more effectively.

By using PET imaging, researchers now want to see whether the brains of people with Tourette actually make more or less dopamine in response to levodopa or whether the difference might be downstream from dopamine production and instead involve the uptake of dopamine in key brain structures.

Working with Mark Mintun, M.D., professor of radiology and of psychiatry, Black and his colleagues will inject people who have the syndrome with a chemical marker called (11C) raclopride. Because the raclopride sticks to dopamine receptors, if dopamine release is boosted, it pushes the raclopride marker off receptors.

As neuroscientists look at PET images of the brain, they can see very bright areas that turn increasingly dimmer as dopamine is taken up by receptors and the raclopride marker is pushed out of the way.

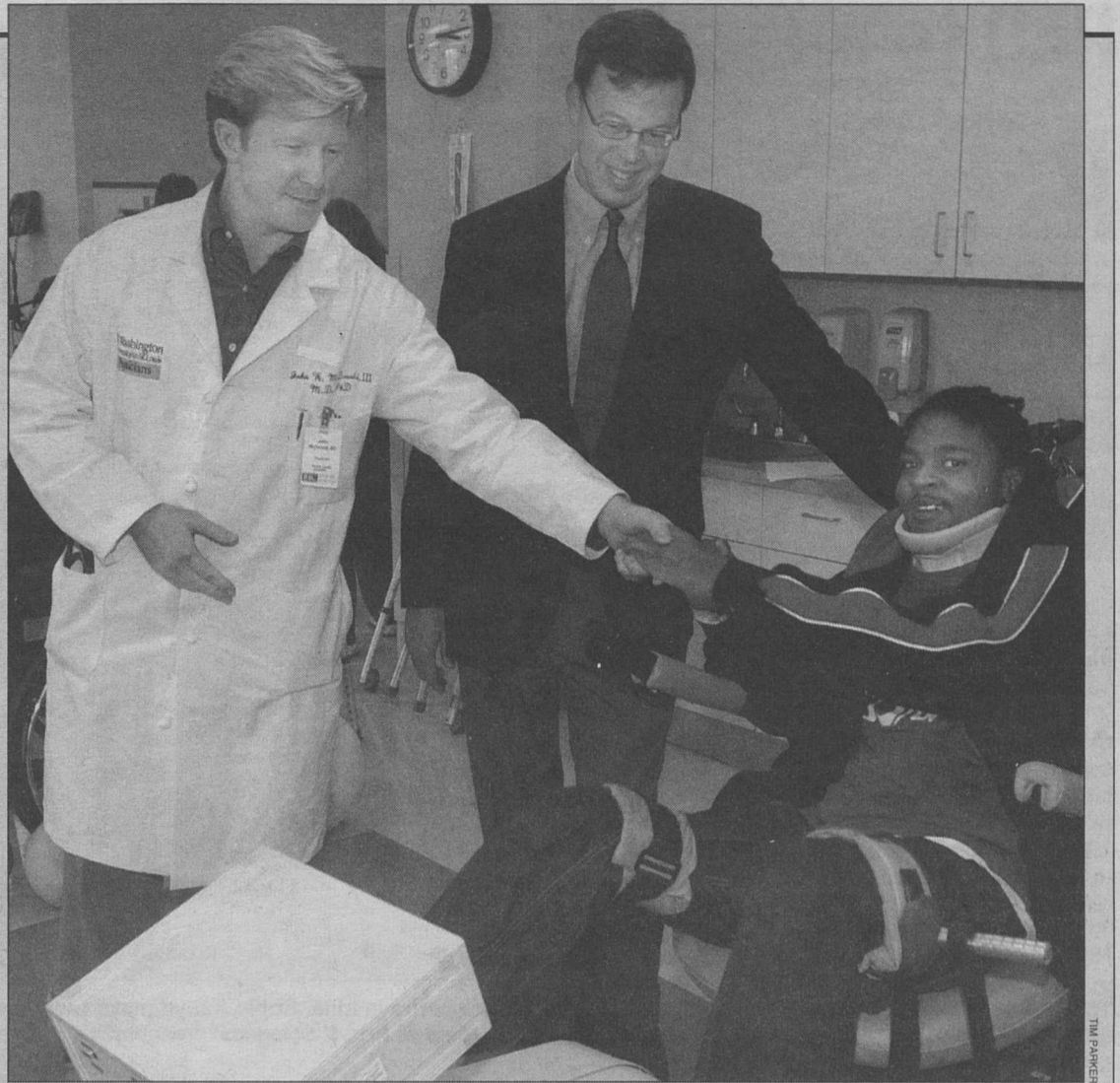
"We're going to give levodopa to volunteers who don't have Tourette syndrome to see whether we can measure the boost in the brain's dopamine levels in response to the levodopa," Black said. "Then, we'll do the same thing in people with tics to see whether there's a difference in the amount of dopamine production, which we'll measure by looking at raclopride displacement."

If there are differences in dopamine production, it will demonstrate that something is different in how the brain produces dopamine or how the brain responds to external signals to produce dopamine in people with Tourette.

If it turns out that dopamine production is normal in patients with the syndrome, researchers will be able to move forward and look at the parts of the brain where dopamine uptake occurs.

It's clear to Black that the dopamine system is somehow related to Tourette syndrome. What's unclear is how it might malfunction to cause tics.

Black said this study will allow his team to see how the dopamine system changes in Tourette — and that should provide clues for the best strategies for treatment.



In motion John W. McDonald M.D., Ph.D. (left), director of the Spinal Cord Injury Program, and Maurice Terry, a patient with a spinal cord injury, demonstrate for Sen. Jim Talent, R-Mo., how a functional electrical stimulation bicycle works. The bike enables paralyzed people to benefit from physical exercise and improve their overall strength and health. Talent has a close friend with a spinal cord injury and recently visited the School of Medicine to learn more about medical research.

Genetics of hypertensive heart disease study needs volunteers

By GILA Z. RECKESS

Volunteers are needed for a study examining how the interactions between genetic factors and high blood pressure contribute to dangerous thickening and/or enlargement of the heart muscle.

The School of Medicine study is being funded by a portion of a four-year, \$2.8 million grant from the National Heart, Lung, and Blood Institute.

High blood pressure, also known as hypertension, afflicts more than 50 million Americans and increases the risk of cardiovascular complications such as heart attack and congestive heart failure.

The risk more than doubles if someone with hypertension also develops left ventricular hypertrophy. Controlling blood pressure alone does not completely prevent or treat left ventricular hypertrophy, and research suggests that variations in several

genes that control cardiac energy metabolism likely play a critical role.

The team is looking for both healthy and hypertensive volunteers older than 21. The researchers are particularly interested in recruiting African-Americans because hypertension and cardiac hypertrophy are especially common in this population.

"Hypertension is a major health problem in this country and in most of the industrialized world," said lead investigator Victor G. Dávila-Román, M.D., associate professor of medicine, of anesthesiology and of radiology and director of the Cardiovascular Imaging and Clinical Research Core Laboratory.

"By understanding how genetic variations lead to disease, we hope to better understand why certain individuals are at particularly high risk of developing these health problems. Our ultimate goal is to identify genetic targets for drugs that treat and/or pre-

vent both hypertension and hypertensive heart disease."

Participants will receive a free comprehensive cardiovascular evaluation, including an ultrasound of the heart and its two main blood vessels, an electrocardiogram, a complete cholesterol panel, testing for kidney damage and diabetes and 24-hour ambulatory blood pressure monitoring.

The complete evaluation takes less than three hours. Volunteers must fast for 12 hours beforehand.

An optional cardiac stress test may be arranged in advance. Volunteers will receive copies of all test results.

In order to examine the role of genes in hypertension and in cardiac hypertrophy, the researchers will also collect a blood sample from each participant. Results from these genetic analyses are anonymous and unidentifiable.

Dávila-Román is principal investigator for the multidisciplinary study. Other team members are cardiologists Lisa de las Fuentes, M.D., instructor of medicine; Robert J. Gropler, M.D., associate professor of medicine and of radiology; and Daniel P. Kelly, M.D., professor of medicine, of molecular biology and pharmacology and of pediatrics; and hypertension specialist Angela L. Brown, M.D., instructor of medicine.

The team also comprises genetics specialists Howard L. McLeod, Pharm.D., associate professor of genetics, of medicine and of molecular biology and pharmacology; and Sharon Marsh, Ph.D., research associate in medicine; epidemiologists C. Charles Gu, Ph.D., assistant professor of biostatistics; and D.C. Rao, Ph.D., professor and director of the Division of Biostatistics; and diagnostics expert Barbara A. Zehnauer, Ph.D., associate professor of pathology and immunology and of pediatrics.

For more information or to volunteer for the study, call 362-1114 or 362-1076.



Holiday greetings A penguin squawks "spread the word — the holidays are here" to his friends from an icy glacier. This is the front of the annual Siteman Cancer Center holiday card. A set of 15 cards is \$12 and can be purchased at the Barnard Health and Cancer Information Center, located on the first floor of the Center for Advanced Medicine. The cards can also be ordered by calling 362-7844. All proceeds will benefit the Siteman Cancer Center.

Sports

Cross country sweeps UAA championships

For the first time in school history, the men's and women's cross country teams won the University Athletic Association (UAA) team championships in the same year Nov. 1 in Chicago. Led by conference Athlete of the Year Maggie Grabow's first-place finish in the 6K run, the women tallied 43 points, which was 20 less than second-place University of Chicago.

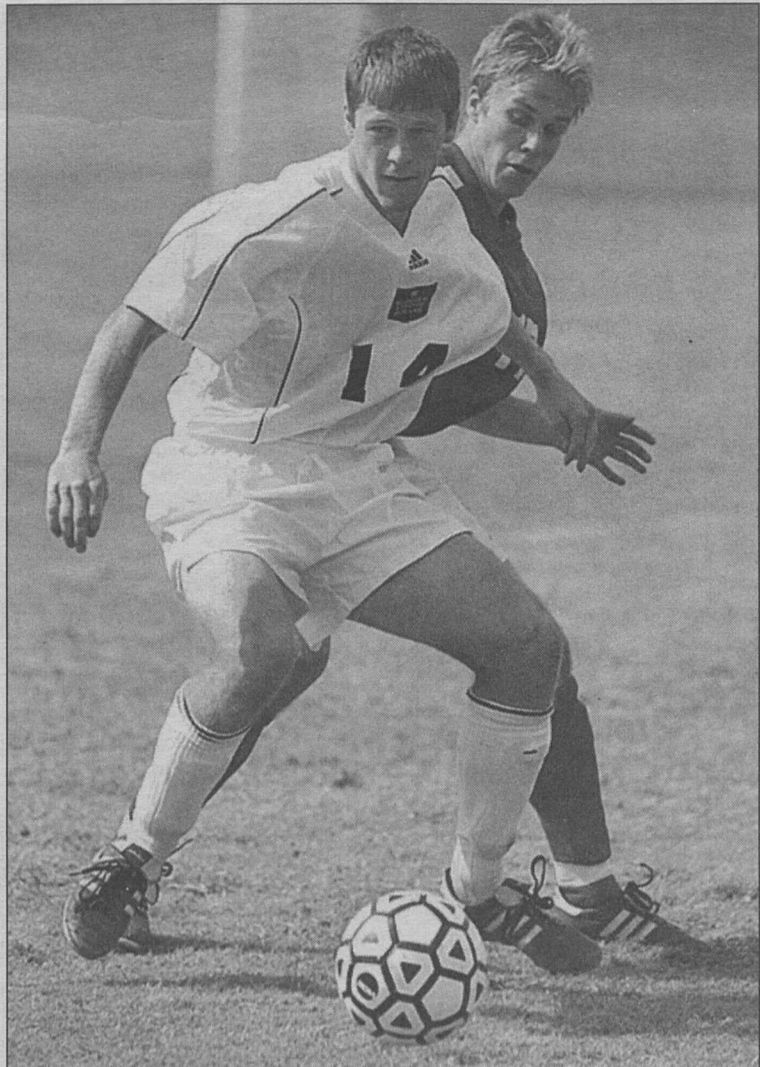
The men also posted 43 points, putting them 26 ahead of runner-up Chicago. Grabow, a junior, was one of five Bears to place in the top 15, leading the pack in a time of 22:31. Senior Matt Hoelle, who was competing in his first event of the year, paced the men with his third-place finish in the 8K course. Hoelle, who missed much of the season due to mononucleosis, clocked a 25:35 — just five seconds shy of first. Coach Jeff Stiles and his staff was honored as the Coaching Staff of the Year for both the men and women.

Other updates

The football team is one step closer to clinching its third straight UAA championship after defeating the University of Rochester 16-14 Nov. 1 at Francis Field. Sophomore Brad Duesing posted two touchdown receptions to lead the Bears, continuing his ascent up the school career wide receiving charts. He is second in school history in career receptions (133), fourth in receiving yards (1,984) and ninth in scoring (124 points).

After junior Jeff Buening fumbled on the first play of the game for Washington U., Rochester capitalized with a 10-play, 34-yard drive when freshman Pat O'Brien scored from two yards out to make it 7-0. Neither team scored in the second quarter as the wet field conditions helped force three punts, an interception and one fumble. Matt Alley finished 11 of 17 for 131 yards and one touchdown. Senior Blake Westra tallied a game-high five receptions for 72 yards, while Kevin McCarthy totaled 56 yards on 16 rushes.

The No. 2 volleyball team won the WU Classic Nov. 1 at the Field House after defeating Webster University and Westminster College by the same 3-0 margin. With the wins, the Bears ran their winning streak to 18 matches and



Bears senior forward Scott Siebers, here working against a defender earlier this season, tallied the game-winning goal in a 3-0 win over Case Western Reserve University Nov. 2 at Francis Field.

their overall record to 28-3. Junior outside hitter Colleen Winter moved into fifth place on the career digs list after recording seven against Westminster. Winter has 1,382 digs during her two-plus seasons at Washington U. Winter and senior Amy Brand were named to the All-Tournament Team for their strong performance throughout the weekend.

The men's soccer team earned a weekend conference split against the University of Rochester and Case Western Reserve. The Bears shut out Case Western 3-0 Nov. 2 at Francis Field. Scott Siebers and James Ward — both of who were playing their last home game at Washington U. — provided the game-winning goal and assist on Senior Day. Despite outshooting Rochester 11-6, WUSTL fell 1-0 Oct. 31 at Francis Field.

The No. 16 women's soccer team moved into sole possession

of second place in the UAA with two key conference wins at home. On Oct. 31, sophomore Kelly Jung scored the game-winning goal in the 79th minute as the Bears escaped with a 3-2 win over the University of Rochester. Two days later, the Bears improved to 12-2-3 with a 2-0 win over Case Western Reserve. Freshman Jenny Southworth gave the Bears the 1-0 lead in the 49th minute as she headed home her third goal of the year off of a corner kick my senior Kim Raess

The men's and women's swimming and diving team combined to win 17 of 26 events en route to a sweep of DePauw University Nov. 1 at Millstone Pool. On the women's side, sophomore Tracey Hendrickson and junior Brianna Krull each won two events as the Bears won 165-78. Senior captain James Prescott and sophomore Eric Triebe also won a pair of events as the men posted a 135-101 win.

Once enrolled, employees are not allowed to change or cancel their contributions during that year unless they experience a family status change (such as marriage, divorce or legal separation, birth or adoption of a child, termination or commencement of spouse's employment, and spouse's health open enrollment).

A open enrollment brochure was sent to employees' campus

boxes during the last week of October. The brochure provides more detail about the plan benefits, limitations, the reimbursement process and a document titled "Enrollment and Salary Reduction Agreement Form."

In addition, employees can access this information, election and claim forms from the human resources Web site, hr.wustl.edu.

"We encourage those interested to review this brochure carefully," Lauman said. "We also caution employees to be very conservative and budget only for known or planned expenses for the next year to avoid forfeiture of their remaining balances."

"Those currently participating in the plans for 2003 should expend their remaining balances and submit a claim form and receipts to avoid forfeiture."

Enrollment forms for 2004 also are available at the human resources office in North Brookings Hall and the benefits offices at the Medical Campus (4480 Clayton Ave.) and West Campus (Suite 150).

Forms must be returned to the benefits office at Campus Box 1190. Late applications will not be accepted.

Conversation

Douglass North among panelists at Nov. 13 event

— from Page 1

been considered axiomatic. But can the model be applied everywhere? And what of our institutions of government? The right to recall arbitrary and corrupt officials might seem a safeguard for liberty. It might also be a recipe for chaos. And what of international institutions?"

Davis said questions such as these will be discussed among the panel of scholars.

North received the 1993 Nobel Memorial Prize in Economic Sciences for his research on the economic history of the United States and Europe, as well as for his contributions to the understanding of how economic and political institutions change over time. He has been a leading advocate of the importance of institutions in understanding changes in society.

Patterson is a highly regarded scholar on the institution of slavery and the roots of racism and poverty. He won the 1991 National Book Award for *Freedom: Freedom in the Making of Western Culture*, the first of a two-volume historical sociology. He is completing the second volume, which will address the modern world.

As a professor of modern

European history, Sheehan's focus is on the social, political and cultural history of 18th- and 19th-century Germany. His major publications are *The Career of Lujo Brentano: A Study of Liberalism and Social Reform in Imperial Germany*, *German Liberalism in the Nineteenth Century* and *German History, 1770-1866*.

A scholar of Victorian studies, Vicinus has contributed significantly to the understanding of women's roles in Victorian society and culture. She has been described as "a tireless activist on behalf of women." Among the books she has edited or authored is *Hidden From History: Reclaiming the Gay and Lesbian Past*, an award-winning anthology of essays.

Wood is a renowned scholar of the early American republic.

Among his books are *The Radicalism of the American Revolution*, for which he won a Pulitzer Prize in 1993, and *The Creation of the American Republic, 1776-1787*, which was nominated for a National Book Award and received the Bancroft and John H. Dunning prizes.

The last two Conversations, also from 10-11:30 a.m. in Graham Chapel, will address "Public Intellectuals" (Feb. 12) and "Modern Human Origins" (March 26).

For more information, call 935-7304.

Protein

Study links atypical HUS to membrane cofactor protein

— from Page 1

ical HUS, and had learned that mutations in three families were linked to an area in human DNA where Atkinson's group had found the gene for MCP.

"It turned out that a mutation in two of the families was a mutation that we'd already made trying to figure out how the protein worked," Atkinson said. "So in a matter of minutes I knew that these were likely not to be just the random genetic variations that we all have."

Atkinson and Goodship put together a theory about what happens in atypical HUS and developed recommendations for clinicians.

From Atkinson's research, they knew that MCP deactivates C3, a protein that coats cells to make it easier for immune system cells known as macrophages to operate. Invading cells lack MCP and therefore do not have this protection, so the macrophages swallow and destroy them.

Atkinson compares MCP's role to that of a sentry protecting the castle (a healthy cell) from excessive damage.

"This is a way of protecting self from being damaged too much at an inflammatory site or at an infection site," Atkinson said. "You're going to let some damage occur to get over the infection or injury, but you'd like to minimize that damage."

In atypical HUS, MCP either is missing or is present in levels too low to prevent collateral damage from immune system responses. This doesn't present a problem until a patient's immune system is sufficiently provoked by an infection or an injury.

"The bloodstream and, for some reason, the kidney take the brunt of the out-of-control immune response," Atkinson said.

Kidney transplants, which provide patients with kidney cells with normal MCP levels, have in some cases relieved the most life-threatening symptoms of atypical HUS. Patients with the condition may be treatable with new drugs currently in development that block excessive inflammation just as MCP does.

Campus Watch

The following incidents were reported to University Police Oct. 30-Nov. 4. 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. 31

2:51 p.m. — A visitor said she left her purse in Urso's Café around 9:30 p.m. Oct. 30. When the purse was recovered Oct. 31, it was determined that approximately \$1,500 cash was stolen by an unknown person.

Nov. 2

3:30 a.m. — A resident assistant in Millbrook Apartment No. 1 reported several individuals breaking into a student's room through the window screen. The students then became hostile and uncooperative toward the RA.

Nov. 3

10:17 a.m. — A person reported a

black Cannondale bicycle with a bike cable was stolen from the bike racks on the north side of Lopata Hall sometime between 9-10 a.m. Total loss is estimated at \$320.

2:52 p.m. — A faculty member reported that a laptop computer was stolen from his office in Prince Hall. Total loss is estimated at \$1,500.

In addition, University Police responded to two reports of larceny, and one report each of alarm, damaged property, robbery, disturbance, trespassing, towed auto and judicial violation.

Flex plans

Enrollment forms must be submitted by Nov. 30

— from Page 1

retirement plan."

There are important limitations and forfeiture rules to consider in enrolling in these plans.

Record

Founded in 1905
Washington University community news

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Where to send address changes

Postmaster and nonemployees Record, Washington University, Campus Box 1070, One Brookings Drive, St. Louis, MO 63130.

Employees Office of Human Resources, Washington University, Campus Box 1184, One Brookings Drive, St. Louis, MO 63130.

Notables

Of note

Robert D. Schreiber, Ph.D., alumni professor of pathology and immunology, has received a three-year, \$135,000 grant from the Susan G. Komen Breast Cancer Foundation for research titled "Characterization of a Novel, Physiologically Relevant Tumor Suppressor Role for the Transcription Factor STAT1." ...

Burton M. Wice, Ph.D., research assistant professor of medicine, has received a two-year, \$306,000 grant from the National Institute of Diabetes and Digestive and Kidney Diseases for research titled "Engineering Insulin Production by K-Cells and Treat T1DM." ...

Keith A. Hruska, M.D., professor of pediatrics, has received a five-year, \$583,950 grant from the National Institute of Diabetes and Digestive and Kidney Diseases for research titled "Pediatric Training Program in Chronic Kidney Diseases." ...

Adriana S. Dusso, Ph.D., research associate professor of medicine, has received a four-year, \$662,922 grant from the National Institute of Diabetes and Digestive and Kidney Diseases for research titled "Vitamin D Control of TGF α /EFG Receptor Growth Signaling." ...

Neil H. White, M.D., professor of pediatrics, has received a five-year, \$638,281 grant from the National Institute of Diabetes and Digestive and Kidney Diseases for research titled "Fellowship Training in Pediatric Diabetes at WUMS." ...

Elena Rivas, Ph.D., research instructor in genetics, has received

a one-year, \$41,800 grant from the National Human Genome Research Institute for research titled "Regulatory and Functional RNAs: Computational Approaches." ...

Mikula Stambuk, M.D., clinical fellow of neurobiology, has received a one-year, \$45,850 grant from the Institute for Medical Education and Research for research titled "Neurological and Functional Outcome of West Nile Virus Infection in the State of Missouri, 2002." ...

Brett A. Taylor, M.D., assistant professor of orthopaedic surgery, has received the one-year, \$49,356 2003 Zimmer Orthopaedic Surgery Career Development Award from the Orthopaedic Research and Education Foundation. ...

Tamara Doering, M.D., Ph.D., assistant professor of molecular microbiology, has received a one-year, \$75,000 grant from the Edward Mallinckrodt Jr. Foundation for research titled "Study of Cryptococcus Neoformans." ...

David Wilson, M.D., Ph.D., associate professor of pediatrics, has received a one-year, \$65,000 grant from the Edward Mallinckrodt Jr. Foundation for research titled "Study of Bone Marrow Failure and Cancer Predisposition." ...

Joel Perlmuter, M.D., professor of neurology, has received a one-year, \$50,000 grant from the Huntington's Disease Society of America for the HSDSA Center of Excellence at the Washington University School of Medicine." ...

Washington University's Project ARK program has received a one-year, \$5,000 grant from Cardinals Care.

Phillips receives prestigious geology award

By TONY FITZPATRICK

Roger Phillips, Ph.D., professor of earth and planetary sciences in Arts & Sciences and director of the McDonnell Center for Space Sciences, was awarded the G.K. Gilbert Award at the Geological Society of America's annual meeting Nov. 2-5 in Seattle.

The award is named for G.K. Gilbert, who 100 years ago clearly recognized the importance of a planetary perspective in solving terrestrial geologic problems.

The Gilbert award is presented annually for outstanding contributions to the solution of fundamental problems in planetary geology in the broadest sense, which includes geochemistry, mineralogy, petrology, geophysics, geologic mapping and remote sensing. Such contributions may consist either of a single out-

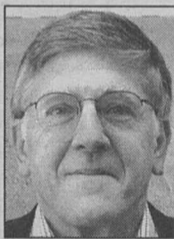
standing publication or a series of publications that has had great influence in the field.

Raymond E. Arvidson, Ph.D., the James S. McDonnell Distinguished University Professor and chair of earth and planetary sciences, presented the citation. Among his comments, Arvidson praised his colleague's career achievements.

"Roger's scientific accomplishments are extraordinary in both scope and depth, as demonstrated by publication of 135 peer-reviewed

papers and book chapters covering the Earth, moon, Mars, Venus, Mercury and the icy satellites of the outer planets," Arvidson said.

"Techniques that have been employed in his studies have focused on gravity mapping and geodynamical modeling, but have included magnetics, seismic, radar sounding and image analyses."



Phillips

St. Louis agencies to be honored by GWB

By JESSICA MARTIN

As part of the University's Sesquicentennial celebration, the George Warren Brown School of Social Work is honoring six agencies through the Community Connections Project from 4-5:30 p.m. Nov. 12 in the Brown Hall Lounge.

GWB selected Delta Gamma Center for Children with Visual Impairments, Family Resource Center, Father's Support Center, Justine Petersen Housing and Reinvestment Corporation, Provident Counseling, and Women's Support and Community Services to be honored.

"I think this is a wonderful selection of agencies," said GWB alumna Sue Stepleton, a member of the GWB Task Force on the Washington University

Sesquicentennial and chair of the Dean's Professional Advisory Committee for GWB. "In addition to being well respected in their fields, these agencies show the diversity of practice that GWB teaches."

Items exhibiting the historical link between the agencies and GWB will be on display during the event.

"This project demonstrates how strong human services have evolved out of partnerships with GWB and Washington University," said alumnus Jeff Bassin, member and immediate past president of the GWB Alumni Board. "It is impressive how GWB and the community are connected.

Hopefully, this project will help foster continuing partnerships."

The event is free and open to the public. For more information, call 935-6620.



This won't hurt a bit Jane Eckelkamp, a nurse with the Visiting Nurse Association, prepares to give a flu shot to Norma Taylor, graduate student coordinator in chemistry in Arts & Sciences, Oct. 28 in Brookings Hall. Sponsored by the Office of Human Resources, the free shots were provided for active Hilltop Campus and West Campus faculty and staff members.

Debate

More than 1,500 media members may attend — from Page 1

selected as a host is a sure sign of the quality and commitment of our employees and students."

Sponsors for the debate are A.G. Edwards, Bank of America, BJC HealthCare and Emerson.

"A.G. Edwards is proud to be among the sponsors bringing an event of such national importance to St. Louis," said Robert L. Bagby, chairman and chief executive officer of A.G. Edwards. "We believe it is vital that citizens around the country have an opportunity to hear candidates discuss their positions on a number of key issues that affect us all."

Pat Mercurio, president of Bank of America-Missouri, said: "We have had a long and close relationship with the University, and we're proud to be a part of bringing this important national event to the Washington University campus and to the Gateway City.

"Few undertakings are more important to the health of our community, and indeed our entire nation, than the exercise of the democratic process."

Steven H. Lipstein, president and chief executive officer of BJC HealthCare, said: "I believe health care will be a critical topic for the 2004 presidential debate. The United States is home to the finest health care in the world.

"But we are facing serious challenges to our ability to maintain the exceptional quality of care our citizens have come to expect, and yet keep that care affordable and accessible for those who need it."

The University is once again offering the same facilities that were made available for the 1992, 1996 and 2000 debates. The expertise and experience of the faculty and staff combined with enthusiastic volunteer assistance from students have been a major factor in the success of previous debates at the University, Wrighton noted.

All tickets to attend the University debate are assigned by the CPD. As was done in 1992 and 2000, any debate tickets that may be assigned to the University will be distributed only to students, who will be selected in a

University-wide lottery, Wrighton said.

Debate organizers announced that the other presidential debates will be held at the University of Miami in Coral Gables, Fla., on Sept. 30, 2004, and at Arizona State University in Tempe on Oct. 13, 2004.

The vice presidential debate will be held at Case Western Reserve University in Cleveland on Oct. 5, 2004.

The CPD, a nonpartisan, non-profit organization established in 1987, is responsible for selecting the venues and producing the presidential debates.

"Each election cycle, we hear from a growing number of communities interested in hosting a debate," said Fahrenkopf and Kirk in a statement from the CPD. "We are honored by their commitment to be part of these historic events.

"Taking the debates to campuses around the country allows the CPD to engage thousands of young people in the political process through first-hand participation."

The Field House in the Athletic Complex was the site of the first nationally televised three-candidate presidential debate on Oct. 11, 1992 — featuring President George Bush, Gov. Bill Clinton and Reform Party candidate Ross Perot. That year, the University had just seven days to transform the hardwood-floor gymnasium of the Field House into a red-carpeted debate hall.

In 1996, the University was again selected as a debate site, but the event was later canceled when the number of presidential debates was reduced from three to two.

In 2000, the University had nine months to prepare for the last presidential debate between Texas Gov. George W. Bush and Vice President Al Gore, which was moderated by Jim Lehrer, executive editor and anchor of PBS' NewsHour with Jim Lehrer.

The format of

the Oct. 17, 2000, debate was a "town-hall meeting" in the Field House, where the candidates sat on stools facing an audience of about 140 St. Louis-area voters. These town-hall participants — undecided voters selected by the Gallup organization — asked the candidates questions.

Some 900 people — media, dignitaries, invited guests and more than 150 University students — viewed the 90-minute debate from the Field House's upper bleacher seats. Millions more worldwide watched the televised debate, in which Bush and Gore discussed foreign and domestic policy issues.

The 2004 debate is expected to attract more than 1,500 members of the media to St. Louis along with the candidates' campaign staffs and supporters.

"The debate gives us the chance to put our best effort forward in front of media from around the world and a huge national television audience," said Carole Moody, president of the St. Louis Convention & Visitors Commission.

"This will certainly be one of the most important events St. Louis has ever been asked to host."

For more information about presidential debates hosted by the University, go online to debate.wustl.edu.



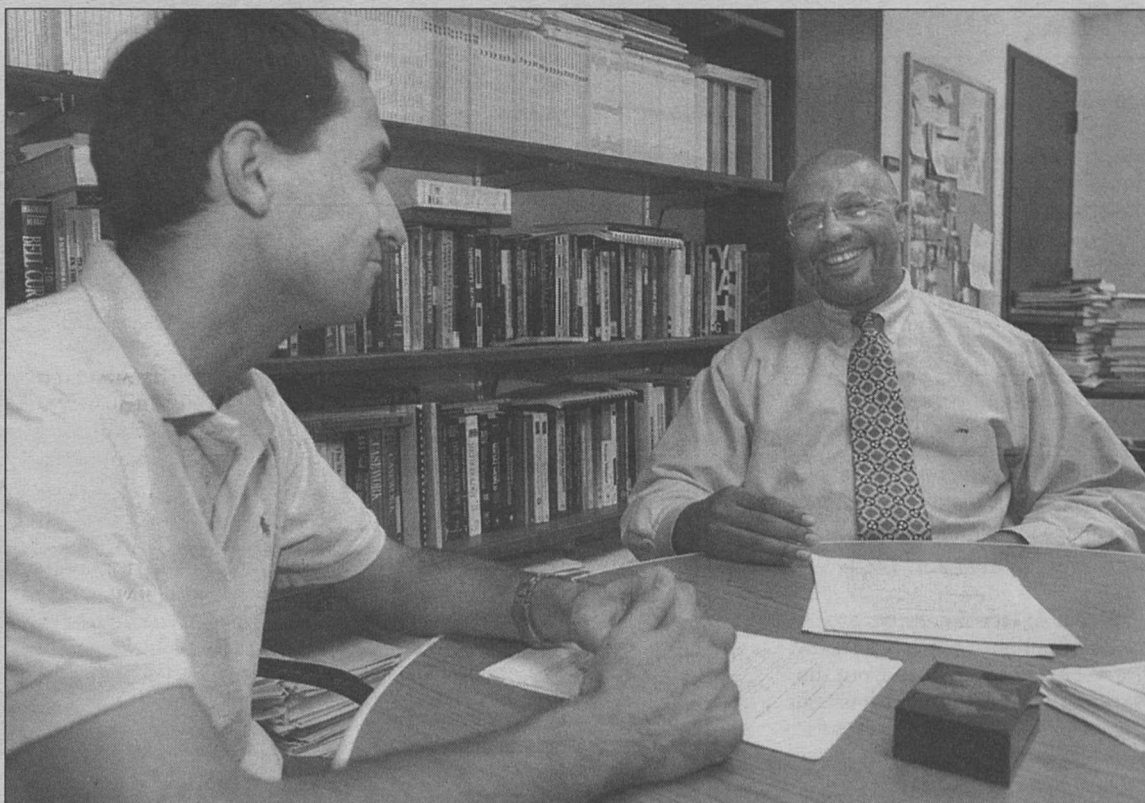
Michelle T. Miller, president of Student Union, speaks with a reporter after the Nov. 6 news conference. Any debate tickets that may be assigned to the University will be distributed only to students, who will be selected in a University-wide lottery.

Washington People

James Herbert Williams thought he knew where he would spend his academic career. "I'm a western-U.S. kind of guy," he says.

Williams, Ph.D., the E. Desmond Lee Professor of Racial and Ethnic Diversity and associate dean for academic affairs in the George Warren Brown School of Social Work, grew up in Magnolia, N.C., and Cleveland, but fell in love with the western U.S. during his time as a student and social worker in Washington and Colorado.

"I hadn't thought of moving back to the Midwest until I happened to interview with Washington University," Williams says. "I was very taken by GWB and Dean (Shanti K.) Khinduka.



James Herbert Williams, Ph.D. (right), the E. Desmond Lee Professor of Racial and Ethnic Diversity and associate dean for academic affairs in the George Warren Brown School of Social Work, talks with Kuyosh Kadirov, a first-year master of social work student and an Open Society Institute fellow from Uzbekistan.

Developing the future

James Herbert Williams enjoys his role in creating future social workers and renewing neighborhoods in St. Louis

By JESSICA MARTIN

"I had heard so many wonderful things about the school and its faculty, and when I came here to visit, I found that the culture of GWB matched its reputation, which is very unusual."

Williams found a home in GWB and the Midwest.

"Washington University has offered me a wonderful opportunity to learn and grow in my profession," he says. "I was happy to begin my academic career here, and I am glad to continue my career here and the life I've made in St. Louis."

Williams joined GWB as a faculty member in 1995 and has become an integral part of GWB's administration, first as assistant dean for academic affairs in 2000 and then as associate dean in 2002.

His research, scholarship and community activities focus on youth and families. Williams concentrates on the development of youth, specifically African-American populations, through the creation of innovative programs that decrease individual and contextual risk factors and enhance resiliency.

He accomplishes this through involvement in the St. Louis Family Courts, local school districts and local youth agencies.

Beyond his work as a faculty member, Williams enjoys being a part of GWB's leadership.

"I had an interest in impacting GWB in ways other than my research and teaching," Williams notes. "I love being able to work closely with other faculty members and students. The connection I feel with the students is wonderful."

The GWB faculty and students continually impress Williams.

"We are a faculty that is focused on the development of great social workers and the development of great research," he says. "The students at GWB are the best in the world. They are demanding, and I think they should be. GWB offers them a place where they can get strong instruction and a strong student life."

"GWB does not have a 'one thought' culture. The school is very open to diverse ideas, but there is always a common thread among the faculty and students — the mission of the school."

Community involvement

A requirement of holding the Lee professorship is working with other academics in St. Louis to help the community.

"My professorship allows me to bring together the intellectual resources of local universities to improve the quality of life for the St. Louis community," he says. "This ties perfectly into part of GWB's mission to help improve the social and economic development of the metropolitan area."

"Dr. Williams is a great asset to Washington University and a key member of the School of Social Work. ... His ability to establish an easy rapport with faculty, students and staff, his flair for problem-solving and his commitment to the mission of the social work profession are admired by all members of the GWB community."

SHANTI K. KHINDUKA

His most recent project was with the Sustainable Neighborhoods Initiative. Williams worked with three neighborhoods in North St. Louis — Walnut Park East, Walnut Park West and Mark Twain — to help residents take leadership in the revitalization of their communities.

"This program is for comprehensive revitalization, not just building new structures," Williams says. "We want to help these residents plan for the development of social services, not just new businesses."

"These neighborhoods have the core to build upon. They are caring communities with strong neighborhood groups."

Williams notes the neighborhoods are seeing some successes from the program, but budgetary concerns remain a problem.

"St. Louis has a ton of potential, but we have not done a great job leveraging the potential to do the things we need to do," he says. "The human capital is there, and there are definitely great fiscal resources in St. Louis, but there needs to be more collabora-

tion and coordination between the two."

West Coast living

The delivery of human services has always been an interest of Williams'. While growing up, he saw that people on the margins of society do not see the benefit of the social services available to them.

"I have very fond memories of my childhood," Williams says. "I lived in a very stable, working-class neighborhood, but it made me very aware that people were not taking advantage of the human services that are available to them."

This experience pushed Williams to pursue an undergraduate degree in sociology and then master's degrees in social work and public administration. During this time, he began work-

ing with children in the areas of public health and prevention. While serving as a social worker for the state of Colorado, Williams worked with children who had physical and developmental issues. He also assisted children and families in the pediatric oncology department of a local hospital.

After a number of years as a practicing social worker, Williams decided to expand his social work career into academia. "I wanted to be a part of developing scholarship and the mentoring and training of new social workers," Williams says. "That led me to get my doctorate. Social work is one of those professions where practice can be a valuable asset to the academic component."

Life in the Midwest

Work," says Khinduka, Ph.D., also the George Warren Brown Distinguished University Professor. "He is an effective teacher and a productive researcher. He is actively involved in a number of vital social service projects in the St. Louis metropolitan area."

Williams earned his doctorate in social welfare from the University of Washington, said goodbye to his days as an avid snow skier and headed to St. Louis.

"Dr. Williams is a great asset to Washington University and a key member of the School of Social Work," says Khinduka, Ph.D., also the George Warren Brown Distinguished University Professor. "He is an effective teacher and a productive researcher. He is actively involved in a number of vital social service projects in the St. Louis metropolitan area."

Williams makes time for many activities outside of the University.

He has traded skiing for running, enjoys the Opera Theatre of St. Louis and visits local farmers markets with his partner, Jeffrey Bassin.

Williams is also rehabbing a house in University City and has filled it with his growing collection of pottery and his numerous compact discs.

"I am an opera nut, but I love all types of music," he says. Williams' main passion, however, is travel. "I love to explore and be exposed to new cultures," he says.

His fondest travel memories include a 50th-birthday trip to Paris and London and a trip to Germany during the fall of the Berlin Wall.

"Paris is one of my all-time favorite cities," Williams says. "That trip was also very special because it was Jeffrey's first time in Europe, and I loved being able to share my favorite city with him."

"My trip to Germany was delightful. It was incredible to be able to experience such a historic event."

He also travels to see his daughter, Kimberly, who is stationed in Tokyo with the Air Force, and his grandsons, Christopher and Marco. Williams admits that most of his time is spent at the University. "So many things that I do are involved with GWB," he says.

But Williams will take a break from his daily life at GWB this spring when he goes on sabbatical to write a book on the lifelong development of African-American children.

He is excited about the future of GWB and his career at the University.

"Under the direction of Dean Khinduka, GWB has experienced tremendous growth and has made a major impact on the social work profession," Williams says. "From this terrific starting point, GWB promises to have a new and exciting future."

James Herbert Williams

Education: B.A., sociology, Grambling State University; M.S.W., Smith College; M.P.A., University of Colorado; Ph.D., social welfare, University of Washington

CDs of the moment: Wagner's *Parsifal* and India.Arie's *Voyage to India*

Family: Daughter, Kimberly; grandsons, Christopher, 12, and Marco, 8; partner, Jeffrey Bassin