WUSTL to invest $55 million in renewable energy research

The University is creating a new International Center for Advanced Renewable Energy and Sustainability (I-CARES) to encourage and coordinate University-wide and external collaborative research in the areas of renewable energy and sustainability—including biobeds, CO2 mitigation and coal-related issues. The University will invest more than $55 million in the initiative, according to Chancellor Mark S. Wrighton.

A key goal of I-CARES is to foster institutional, regional and international research on the development and production of biobeds from plant and microbial systems and the exploitation of sustainable alternative energy and environmental systems and practices. Research at the center will also focus on the region’s important coal resources and efforts to mitigate carbon dioxide accumulation, improve combustion processes and reduce emissions.

I-CARES will also anchor the direction of Himadri B. Pakrasi, Ph.D., the University Professor of Biology in Arts & Sciences and professor of energy in the School of Engineering.

I-CARES will be a part of the Office of the Vice Chancellor for Research, headed by Samuel L. Stanley Jr., M.D., professor of medicine and of molecular microbiology at the School of Medicine. An external advisory committee will provide guidance to the I-CARES director, and an internal steering committee will work closely with the director to set programmatic priorities and attract new faculty to the center.

I-CARES will foster collaborative and cooperative research, both within the University and externally between the University and other regional research institutions, such as the Donald Danforth Plant Science Center and the University of Missouri-Columbia.

Trudy J. Dunton, Ph.D., chancellor of the University of Missouri-Columbia, said, “We applaud the initiative and leadership of Washington University in St. Louis to address research and educational needs for renewable energy and sustainability. This is an outstanding example of research that will result in applications to improve the lives of all people around the world. We know that many members of our faculty will want to strengthen their collaboration with colleagues at Washington University. We will actively pursue joint initiatives that enable key research strengths and international program support.”

Research activities at I-CARES also will include international Partner Universities, which recently agreed to a “Call to Action” on energy and sustainability at a WUSTL symposium hosted by the McDonnell International Scholars Academy—Scholarship to be developed with energy and technology companies and other corporate sponsors.

See I-CARES, Page 6

Summer sounds: Free Sunday concerts in Brookings Quadrangle

Better late... Five graduating members of the softball team receive their diplomas in a special ceremony led by Chancellor Mark S. Wrighton (left) May 24 at Whitmire House. (From top left) Seniors Erin Wolf, Laurel Sagartz, Abby Morgan, Jamie Kreazel and Carrie Jarka missed the traditional Commencement exercises May 18 to play in the 2007 NCAA Division III Softball World Series in Salem, Va. Making their first World Series appearance, the team finished second in the national championship—the highest finish in WUSTL softball history.

“Tim Russert to Class of 2007: ‘The children are our future’”

BY ANDY CLENDENNEN

The children are our future, said Tim Russert to the Class of 2007 during the 146th Commencement ceremony.

The host of NBC’s “Meet the Press” clarified, telling the audience “there are 14,600 that while this year’s some 2,600 graduates have done well and have the world at their feet, one of their real responsibilities is to take care of the world’s children and give them every opportunity to succeed.”

“Twenty-five percent of our eighth graders will never graduate from high school,” he told the assembled crowd in Brookings Quadrangle during the May 18 ceremo-

ny. “Thirty-five percent of our students in our country, overwhelmingly from a high school education. If we are serious about remain-

ing the world’s premier economic, military and moral force in the world, we have no choice. We need all of our children contributing and prospering and competing.

“If we fail to instill in our young people the most basic scien-

tific skills and moral values, we will be a very different society.

“We must motivate, yea inspire, yes insist our children and all who wish one another and love thy neighbors as thyself. We must teach our children they are never, never entitled but they are always, always loved. And we must do everything in our power to make sure our schools are meaningful, skills are learnable, jobs are available, that we protect our environment, make our children’s jobs in the world’s world—safe and secure.”

And he said it doesn’t matter what sort of degree the graduates receive, “how much of a deficit is required. Every little bit helps.”

“No matter what profession you choose, you must try, even in the smallest ways, to improve the quality of life of all the children in this country,” said Russert, who is the managing editor and moderator of “Meet the Press” and political analyst for “NBC Nightly News” and the “Today” show.

“Tim Russert: don’t say it on TV.”

The School of Medicine is launching the center for Women’s Infectious Disease Research (WIDR), a new effort to study infectious diseases that preferentially affect women. The center focuses on issues including:

• microorganisms that cause urinary tract infections (UTIs) and other conditions that make urination and intercourse painful or difficult

• infections that lead to premature delivery and vaginitis

• potential contributing roles for microorganisms in life-threatening conditions such as cancer, heart disease, neurodegenerative disorders and diabetes.

Women’s infectious diseases focus of study for new center

BY MICHAEL C. PERRY

The Children and Community Health Center (CCHC) at the School of Medicine is launching a center for Women’s Infectious Disease Research (WIDR), a new effort to study infectious diseases that preferentially affect women. The center focuses on issues including:

• microorganisms that cause urinary tract infections (UTIs) and other conditions that make urination and intercourse painful or difficult

• infections that lead to premature delivery and vaginitis

• potential contributing roles for microorganisms in life-threatening conditions such as cancer, heart disease, neurodegenerative disorders and diabetes.
Elgin named Humberback Professor

Sarah C.R. "Sally" Elgin, Ph.D., professor of biology and of arts and sciences, has been named the first Viktor Hamburger Distinguished Professor in Arts & Sciences.

"Sally Elgin's contributions to research are significant, and she is a passionate champion who has instilled a generation of students," Chancellor Mark S. Wrighton said. "I'm delighted that her gift encourages you to meet the standards of that of a most distinguished past member of our scientific community.

Since 1981, Elgin's work has led to increased understanding of the role of chromatin structure in the regulation of gene expression. A recent focus has been on how DNA is packaged to maintain a silent state where the genetic expression of the DNA cannot occur. Her work is aimed at defining this switching. New research findings showing the impact of the protein domains of the genome amount to an organiser's collaborative work, and a fact of the case that her work has a highly regulated function in interest in how gene silencing is accomplished.

In 2006, Elgin was awarded a $3 million grant from the National Institute of General Medical Sciences (NIGMS). The Elgin lab has published 370 articles in refereed journals, and has been supported by the National Science Foundation, the National Institutes of Health and the American Cancer Society.

"Sally Elgin has set the benchmark in the area of intellectual advising, service to the University community, commitment to high standards of excellence in teaching and research and service to the University and the community," said Edward S. Mason, Ph.D., executive vice chancellor, dean of Arts & Sciences and the Barbara and David Z. Elgin Distinguished Professor in Arts & Sciences.

"Her research in chromatin structure and epigenetics is well-known and reapplied today by many scientists," Mason added. "She is the ideal holder of the inaugural Viktor Hamburger Distinguished Professor title at Washington University."}

Stuart environmental initiatives helped by Luce

A grant from The Henry Luce Foundation will boost the university's environmental opportunities provided by the interdisciplinary Environmental Clinic (IEC).

In the clinic, students work in interdisciplinary teams, supervised jointly by environmental attorneys and engineers, and provides public legal and technical services to environmental non-profit organizations.

Science, climate change, and environmental applications, applying their classroom learning to actual cases and addressing cutting-edge legal and technical issues.

The clinic recently received a $450,000 grant to be distributed over four years from the New Markets and Wrighton said his enhancing effect throughout the University and beyond.

"The Interdisciplinary Environmental Clinic has focused on environmental law, but students study from the start through the University's schools, to think and to develop effective strategies through the University and beyond.

At the University, The Luce Foundation's new leadership supports for graduate students with the findings from the Clare Boothe Luce Program, a component of the foundation, will provide female under-graduates opportunities to participate in research projects with faculty mentors in the summer.

Prior to that, the foundation supported the Henry R. Luce Professor of Individual and Collective Memory in Arts & Sciences, a 15-year position held by Pascal R. Boyer, Ph.D., professor of anthropology in Arts & Sciences.

Before that, the foundation provided funds for the Henry R. Luce Professor of Law and Liber-ty, held by Professor B. C. Nord, Ph.D., the Spencer T. Olin Professor in Arts & Sciences.

This foundation was established in 1959 by Henry R. Luce, who founded The American Review of Politics and government and was the publisher of Life magazine and Time magazine.

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**School of Medicine Update**

Warner named chief pediatric surgeon

**BY CAROLYN ARANAS**

Brad Warner, M.D., has been named pediatric surgeon-in-chief at the School of Medicine and St. Louis Children's Hospital effective July 1. Warner also has been appoint-

**Title**: Frederick T. Durkan, M.S., (left) and Gary Piccirillo, M.D., (right)

**Committing to cancer fight**: From left: Charles F. and Joanne Knight with Chancellor Mark S. Wrighton and Timothy J. Eberlein, M.D., director of Siteman Cancer Center, at the recent dedication of the Joanne Knight Breast Health Center and Breast Cancer Program at Siteman Cancer Center. The center dedicated a plaque and a portrait of Mrs. Knight, whose generosity endows the Breast Health Center. More than 90,000 women come to the center annually.

**Awards honor extraordi-nary teaching**

**BY BETHE MILLER**

Meds & Food for Kids received a $2.5 million grant to develop a go 

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**HIV care to low-income adults advanced by $2.5 million grant

**BY CAROLYN ARANAS**

The School of Medicine has received a $2.5 million grant to provide medical care to low-income and underserved adults living in Missouri, announced by dean, the School of Medicine, Pittsburgh, Pa. The grant, from the U.S. Department of Health and Human Services, was awarded through the Department of Health and Human Services' HIV/AIDS Treatment Modernization Act.

The grant provides resources to support the continuation of integrated primary care services, including HIV testing, and the full range of medical care to patients with HIV/AIDS who are either uninsured or underinsured. In St. Louis, an estimated 4,700 adults live with HIV/AIDS. As much as 40 percent of them are unaware they have HIV, which disproportionately affec-

This project is expected to generate $500,000 in new business for the site.

**Malnutrition work in Haiti gets funding boost**

**BY BETHE MILLER**

More than 4,000 malnourished children in Haiti will get a chance to be named back to health with a nutritious-rich peanut-butter mixture, thanks to a grant received by Meds & Food for Kids (MFK).

Patricia Polit, M.D., associate professor of occupational therapy and rehabilitation medicine who joined the faculty in 1996. Her research interests include fetal alcohol syndrome, Alzheimer's Disease and neurocognitive disorders. She is considered extremely well-prepared to "lead, fund and evaluate collaborative efforts in delivering his insight."

Piccirillo is a professor of otolaryngology, of occupational therapy and rehabilitation medicine and is director of the Pediatric Colorectal Program. He is also a graduate of the University of Missouri-Kansas City School of Med- 

This agreement will expand its work with the Justoform Health and Camp-

Louise, a regional Haitian pub-

lic hospital and clinic in Cap-

Haitien, the second largest city in Haiti. MFK will provide medical services, education and the peanut-butter mixture, known as Ready-to-Use Therapeutic Food (RUTF), to children between 6 months and 5 years old with medically-diagnosed malnutrition to increase their body weight by as much as 60 percent. The locally produced RUTF, known as Medika Mamba, is a mixture of peanuts, sugar, oil, vitamins and powdered milk that can be fed to children at home. After evaluation and treatment with RUTF, children start to show signs of improvement in 1-2 weeks, becoming more active and growing new hair.

MFK has treated more than 1,500 children in three and a half years and produces 4,400 pounds of Medika Mamba a month.

One of the course's six-week treatment, which can be enough to renew school, costs less than $100.

Wolff said she hopes the suc-

cess of the project will persuade the government to accept the RUTF model and incorporate it into the national public health system.

"This country has no mal-

nutrition policy, so we are hoping that will be successful and show that this is a great malnutrition project for outpatient therapy," Wolff said. "We are saving money, inpatient beds, personnel and opportunity costs for the families, but most importantly, we are saving children. The treatment is therefore being made even more effect-

ive than the current rice, beans and corn ration handouts." Wolff said the project also is expected to generate $500,000 in sales for Haitian peanut growers.

To carry out the project as planned, MFK will need to raise another $60,000.
Law hosts domestic violence workshop

BY JESSICA MARTIN

The School of Law will host a workshop titled "The Effects of Domestic Violence on Children" from 8 to 9:30 a.m. on July 12 in the Ivan Crown Court of Anheuser-Busch Hall.

Beethoven's iconic overture treads the same path as Goethe's "Fingert." Also on the program is Leopold Stokowski's orchestral version of classical music, as well as future remedies for domestic violence, as well as future remedies for domestic violence.

Cardiology CME Course.


Cardiology Update. Cost: $50; $65 for expanded calendars for the Danforth Association 2007 National Meeting." To register: 739-6811 ext. 334, or e-mail pdi.registration@mbch.org.


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It's pretty clear that John "Chris" Kroeger enjoys his job at the School of Engineering. Heck, it's pretty clear that he enjoys the University as whole. Kroeger, engineering associate dean and registrar, was recognized with the Gloria W. White Distinguished Service Award in a 23rd ceremony in Edison Theatre as part of the annual Staff Day.

But not only does Kroeger find time to teach three different classes, he also manages a graduate assistantship and an independent work in the Sever Institute Program of Continuing Studies. How does he make time for all of this? "I have a very busy schedule," he said. "And I have a lot of responsibilities." Kroeger issued a challenge to the current generation, while invoking the legacy and achievements of modern-day heroes. All these, he said, "prepared you for this challenge."

"The best commencement I ever attended," Kroeger said, "was when Mother Teresa delivered the keynote address. She said, 'I have come to teach you about suffering. I have come to teach you about joy.' And I think that's what we're all about."

Above: Chancellor Mark S. Wrighton applauds "Chris" Kroeger, winner of the Gloria W. White Distinguished Service Award, which recognizes a staff member for exceptional effort and contributions that result in the enhancement of the University. Wrighton, associate dean and registrar of the School of Engineering, with the award, along with a check for $1,000, May 21 in Edison Theatre.

For a transcript of Tim Russert’s commencement address, visit news-info.wustl.edu/news/page/normals/9548.html.

By ANDY CLENDENEN

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“Your Holiness, with all due and proper respect, I would like to address you on an issue that appears to be the same issue as the one you spoke about today,” he said. “And my thoughts quickly turned from the working environment for staff and students to a truly positive spirit, creating a truly positive environment for staff and a great environment for students.”

One nominator wrote of Kroeger: “When I think about what makes him truly special as a professional in the student service area, it is in dedication to his deanship, the university and to the mission of educating students. His genuine love of working with students [and] his knowledge of every aspect of student life and services.”

The Gloria W. White Distinguished Service Award established 10 years ago to provide recognition to a nonacademic staff member for exceptional effort and contributions that have resulted in the betterment of the University.

Other winners

Staff Day also featured several activities for Danforth Campus personnel, including drawings and raffles. Winners of a $250 Bon Appétit dining card were Sandra Devore, Rose Mary Schmitt, Taro Zhang, Tina Fink and Dan Stackowski.

Joshua Train, Doug Volmert and Jason Marquardt were all lunch for four in the Anheuser-Busch Dining Hall of the Charles F. Knight Executive Education Center, and Diane Ryberg won dinner for two at Whittemore House.

Other winners were Carla Reed, Sandra Ackerman and Ryan Croft (all winning two in-field box seats to a St. Louis Cardinals baseball game), Karen Rensing ($100 Visa gift card), Karen Swint (pair of OWN:NS! Series season tickets), Sue Hostman ($50 gift certificate and a cup of Fitz’s root beer) and Maggie Edwards (two travel gift cards).


Employees honored for years of service


The following people were recognized for 15 years of service: Crystal A. Awadie, Lucinda M. Bailey, John G. Bier, John C. Bland, Dike Brokaw, Debora K. Burgess, Ronald L. Devereaux, Rose Mary Schultze, John E. DeWeese, Terry J. Gehrke, Mary J. Baxter, Philip Berwick, Sharon V. Bloch, William H. Witbrodt, Sok-Lin T. Yong and June J. Zuber.

The following people were recognized for 20 years of service: Sally A. Allain, Ruth Arabia, Philip A. Appel, Robin H. Applegate, Terri G. Leyton, Lou Lucas, Brian W. Strahan and Bobby L. Trulove.


Russert

—from Page 1

“He walked solemnly into the room, and at that time, it seemed as though an enormous shadow had descended over the room. Then, Russert recalled, ‘I was there to convene what the President had called a “press conference” and to appear on the show Today. But my thoughts quickly turned from Bryan to a very important man.’ I said, ‘They properly redefined modern-day heroism. All these, they said, ‘You’re no ordinary politician. You’re no ordinary soldier. You’re no ordinary citizen. You’re no ordinary teacher. You’re no ordinary policeman.’”

“Your Holiness, with all due and proper respect, I would like to address you on an issue that appears to be the same issue as the one you spoke about today, ‘And so, too, with the Washington University graduates of 2007. You were born, and you will be 2,300 weeks before you’ll be eligible for Social Security.’”

The 2007 Class of 23,000, of this wonderful place called Washington University. Russert closed his address with a message, complete with a little more of his trademark humor. “For the good of all of us, please build a future we can be proud of,” he said. “You can do it, but please, get busy. You only have 2,300 weeks before you’ll be eligible for Social Security.”

For a transcript of Tim Russert’s commencement address, visit news-info.wustl.edu/news/page/normals/9548.html.
I-CARES will work with McDonnell Academy Universities to collaborate in global energy and environmental research.

I-CARES committees draw on global expertise

The International Center for Advanced Renewable Energy and Sustainability (I-CARES) at the University will be supported by advisory and steering committees comprised of both external and internal leaders, Chancellor Mark S. Wrighton announced.

These leader providers will support and be a part of steering committees.

The current advisory committee includes:

- Tony Arnold, CEO, Solaris
- Gregory B. Boyce, CEO, Peabody Energy
- Robert T. Frey, executive vice president and chief technology officer, Monsanto Co.
- Carl Hausmann, CEO, Bunge North America
- Randall Lefeldt, president and chief technology officer, Emerson
- Michael Lerner, CEO, Clean Coal
- Martha Schlicher, vice president for engineering and operations, Renewable Energy Initiative Inc.
- John Stier, group director of environmental sustainability.

Washington University in St. Louis (WUSTL) and the University of Missouri-Columbia (UM-Columbia) will be supported by advisory and steering committees.

The internal steering committee will be chaired by Mark D. Stowers, president and CEO, Stowers Foundation. Hultgren will serve as chair of the Distinguished Professor in Arts & Sciences.

The external steering committee includes:

- Paul Blom, Ph.D., the herald and Quintette Irene W. Blom Professor of Molecular Microbiology and Immunology in the School of Medicine
- Bruce Lindsey, dean of the College of Architecture and Graduate School of Architecture & Urban Design in the Sam Fox School of Design & Visual Arts
- Hinnad B. Pakrasi, Ph.D., director of I-CARES, professor of energy in the School of Engineering, Environmental and Chemical Engineering, and professor of biology in the School of Arts & Sciences
- Mary J. Sancenon, Ph.D., dean of the School of Medicine

The center will facilitate the development of major initiatives related to its mission. For instance, Pakrasi has an exceptional track record of achievement and currently oversees a $9.6 million annual research portfolio. He and a team of synthetic bacteria as one of the key energy resources in the world.

The new center and five new endowed professorships in the fields of energy, environment and sustainability. These research and educational programs related to energy, environment and sustainability will be offered by the Environmental Studies Program in Arts & Sciences; the Department of Energy, Environmental and Chemical Engineering in the College of Architecture and Graduate School of Architecture & Urban Design in the Sam Fox School of Design & Visual Arts; and the Interdisciplinary Environmental Clinic and the Environmental Clearinghouse, both in the School of Law.

The University aims to pursue and to demonstrate best practices in its facilities design and development, and its use of energy and other resources. The University will appoint a sustainability officer who will work closely with the center's implementation and with the research community to move green technologies as they develop.

The University will commit money to support the development of collaborative projects with its McDonnell Academy in international partnerships.

- Support a sustainability officer and provide the capital needed to apply green technologies and to prove efficiency of energy systems and buildings.

Wrighton said: "The key objective of I-CARES is to foster research and development to develop new instruments for the growth of energy and environmental sustainability. This represents at least $125 million of endowments and start costs. Award at least $2.5 million over five years to the center to seed and develop collaborative research in the University with and its regional partners through I-CARES.

- Support additional $500,000/year to support the development of collaborative projects with its McDonnell Academy in international partnerships.

For more information, visit:
- I-CARES, wustl.edu
- McDonnell, wustl.edu
Cornerstone receives Sloan foundation grant

Cornerstone: The Center for Advanced Learning has received a one-year, $54,800 grant from the Alfred P. Sloan Foundation to study student migration patterns in and out of the science, technology, engineering, and math (STEM) fields.

The grant proposal was submitted to the Sloan foundation in cooperation with Swarthmore College.

Shipton, who is working closely with colleagues at the College Board and the Consortium on Financing Higher Education, said:

"Harvey had it all: a piercing intellect, a vision for clinical medical education and a passion for the next generation and an unbridled determination to share new knowledge," said Alan L. Schwartz, M.D., M.A.T., the Bower Professor and head of Pediatrics. "He was an academic leader through and through. In St. Louis and national circles of medical education. In 1997, Colten became dean and professor of pediatrics at the University of Wisconsin at Madison.

Cameron, Dr. Cameron, a professor of philosophy in Arts & Sciences, was a lover of the classics and the arts. Cameron, who is a member of the College Board's Committee on the Arts, has spent many years studying and writing about the classics, particularly the works of Homer and Virgil.

Student and young research participants are chosen through a selection process involving interviews from universities and research institutions.

Cornerstone, from Baltimore, earned a bachelor's degree in chemistry at Mount St. Mary's University in 2004. Her specialty in synthetic organic chemistry.

Cornerstone's winning grant application focused on developing a new strategy for increasing the number of students from underrepresented groups in STEM fields. The grant will fund a study of student migration patterns at Cornerstone and the College Board, and will support the development of a new model for predicting student migration.

The grant is intended to help develop a cohort of new faculty in STEM fields who have a track record of success in recruiting and retaining underrepresented students.

Cameron, a graduate student in organic chemistry at Johns Hopkins University, is currently conducting research on the structure and function of proteins in the brain.

Cornerstone, a non-profit organization dedicated to improving the educational experiences of students in STEM fields, received a $54,800 grant from the Alfred P. Sloan Foundation to study student migration patterns in and out of the science, technology, engineering, and math (STEM) fields.

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Student and young research participants are chosen through a selection process involving interviews from universities and research institutions.

Cornerstone, from Baltimore, earned a bachelor's degree in chemistry at Mount St. Mary's University in 2004. Her specialty in synthetic organic chemistry.

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The grant is intended to help develop a cohort of new faculty in STEM fields who have a track record of success in recruiting and retaining underrepresented students.

Cameron, a graduate student in organic chemistry at Johns Hopkins University, is currently conducting research on the structure and function of proteins in the brain.

Cornerstone, a non-profit organization dedicated to improving the educational experiences of students in STEM fields, received a $54,800 grant from the Alfred P. Sloan Foundation to study student migration patterns in and out of the science, technology, engineering, and math (STEM) fields.

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Arnold Bullock’s mentors helped him see a world of possibilities for himself in science and medicine, and he made the most of those opportunities. Today, as an urgent care and associate professor of surgery, he relishes the role of helping students realize that they, like him, can make their mark in medicine.

Bullock, M.D., was not the least bit daunted when he began his studies at The Johns Hopkins School of Medicine in 1983, although he had attended predominately African-American schools virtually since kindergarten.

"By the time I made it to the real world, the non-African-American world, I felt confident that I could compete and succeed," he says.

Bullock knew he wanted to be a doctor by the time he finished his sophomore year of high school. He was the third in a family of four boys, and his parents — both schoolteachers — pushed education as a way for their sons to overcome racial barriers and achieve their full potential.

He rode public transportation with his brothers from their home in suburban Maryland to an all-boys Catholic high school in Washington. Mami Jiles, one of the school’s science teachers, made a point of taking her students on field trips to the National Institute of Health, the Food and Drug Administration and the Federal Bureau of Investigation, where they met scientists and saw them working in a variety of fascinating fields.

"I think this opened our eyes to opportunities we never knew existed," Bullock says. "It gave me a sense that I could do that. I was already doing well academically but that degree of exposure and encouragement was all it really took for me to think I could have a career in medicine."

Bullock set his sights on surgery, attending a convention for high school students hosted by the American Heart Association. Bullock’s older brother Mike had encouraged him to attend a way to meet girls. Instead, Bullock became enthralled with the heart and cardiovascular disease.

"At the end of the five weeks, when there were three winners and I got the second-highest score," he says. "For this achievement, he had his pick of some 40 summer internships in a heart-related field. Bullock chose to work with Levon Cauthran, who had trained many cardiac surgeons at the University, one of the few African-American cardiology programs at the time.

Cauthran also maintained a research laboratory where he studied how narrowing of renal arteries contributes to high blood pressure. He declined to undergo the risky procedure.

His illness prevented Bullock’s father from working, and even with a generous academic scholarship to Notre Dame, it quickly became clear that the family would be too much of a financial strain for his family. Instead, Xavier University in New Orleans, where Bullock also had been accepted, agreed to reinstate his full academic scholarship.

"Going to Xavier was one of the best decisions of my life," Bullock says. "There, I gained a great deal of confidence in my own abilities, and I knew I would take that with me to medical school and beyond."

At The Johns Hopkins School of Medicine, Bullock was leaning toward cardiac surgery until he had the opportunity to work under Patrick Wadd, M.D., an internationally renowned urologic surgeon who had trained many Washington University urologists.

He was a great mentor, very encouraging, well respected, and a great surgeon," Bullock says.

That experience led Bullock to consider urologic surgery as a specialty. After graduating, he came to Washington University and the internship because of its reputation for having one of the top urology training programs in the country.

"My training experience here was so good that I wanted to stay and practice here, and I did," he says.

Over the years, Bullock’s practice has become more specialized.

He still treats patients with prostate cancer, but he also sees men with infertility problems and erectile dysfunction — conditions that are difficult for many men to discuss.

"In addition to his surgical expertise, Arnold is a great communicator," says Gerald Andriole, M.D., professor and chief of urology. "He's a way of simplifying complicated medical jargon and putting patients at ease so they feel comfortable talking about sensitive health issues."

Bullock also uses his appearance to help young people in the audience become aware of the world of opportunities that exist for them in the field of medicine and to offer himself as a mentor.

"I tell them if they're interested in medicine to take a look at it and offer to let high school students shadow me for a day," he says.

"There are so many barriers to completing this craft for underprivileged students. I encourage young people not to talk about the limits of what is possible or what is a career in science or medicine," Bullock says.

As a surgeon with special expertise in prostate cancer, Bullock is aware that African-American men can be twice as likely as white men to be diagnosed with the disease and to die from it.

"African-Americans historically have been discouraged by the medical system, particularly research institutions, and offers one-on-one counseling to stay in school. Together as a family, they love skiing and traveling. Bullock also has a newfound passion for flying. He got his pilot’s license five years ago and enjoys taking to the skies in a single-engine prop plane out of the Spirit of St. Louis Airport.

By CAROLINE ARBANAS

Arnold Bullock, M.D., walks with patient Joseph Griffin while showing a model of the prostate. Bullock has been "instrumental in building a team of community partners to conduct prostate cancer screening and education in the local African-American community," says Dione M. Farris, M.D. "He is an engaging speaker who has the unique combination of clinical expertise and a knack for connecting with community members."