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A $26.8 million grant from the National Human Genome Research Institute has enabled the creation of the Genome Sequencing Center, which includes the newly constructed Wheeler House, Ethan A.H. Shepley and Elizabeth Gray Danforth residential houses. The Genome Sequencing Center, located on the campus of Washington University, is the ideal site for this project, providing a comprehensive approach to genetic research. The grant will enable the university to continue its leader role in genetic research and development, as well as to foster collaboration with other institutions.

Dedication to WU Biology

Professor Robert H. Waterston, M.D., Ph.D., president of the new Genome Sequencing Center, has been instrumental in the funding and management of this project. Waterston has a long history of leadership in genetic research, having served as a member of the Institute of Medicine and as a fellow of the American Academy of Arts and Sciences. He has also been a major contributor to the Human Genome Project, which he helped to establish.

New Loop Arts District launched

The arts took center stage Saturday, Oct. 10, when the Loop Arts District was officially opened. The Loop Arts District, located on the north side of downtown St. Louis, has been developed to serve as a cultural hub for the city. The district includes the newly constructed Wheeler House, Ethan A.H. Shepley and Elizabeth Gray Danforth residential houses, as well as the newly opened Wheeler Music School, which offers music education and performance opportunities.

Genome project gets boost with $26.8 million grant

Robert H. Waterston, M.D., Ph.D., president of the new Genome Sequencing Center, announced the donation of a $26.8 million grant from the National Human Genome Research Institute. The grant will enable the university to continue its leader role in genetic research and development, as well as to foster collaboration with other institutions.

Biological differences among races do not exist

Race doesn’t matter.

While that may sound like the idealistic decree of a minister or rabbi, it actually concludes the analysis of an evolutionary and population biologist at Washington University.

Alan R. Templeton, Ph.D., professor of biology in Arts and Sciences, has analyzed DNA from global human populations that reveal the patterns of human evolution over the past one million years. He shows that while there is plenty of genetic variation within humans, most of the variation is individual variation. While between-population variation exists, it is either too small, which does not mark historical sublineages of humanity.


Walker gift funds new chair in engineering

Professor and head of genetics at Washington University, the first Earl E. and Myrtle E. Walker Professor of Engineering in the School of Engineering and Applied Science. According to Chancellor Mark S. Wrighton, Kenneth L. Jerina, D.Sc., professor of mechanical engineering, was installed as the first Earl E. Walker and Myrtle E. Walker Professor of Engineering in a ceremony Oct. 6.

"We are delighted to receive this support from Earl and Myrtle Walker," Wrighton said. "They have built a great company in St. Louis and they are wonderful people who have shared their success with others. Washington University is fortunate to receive this far-sighted gift for a professorship in engineering.

William H. Danforth, chairman of the University's Board of Trustees, also expressed his gratitude for the Walker's gift. "Earl and Myrtle Walker are great citizens of St. Louis and we are most appreciative to be the recipients of their generosity. We are proud that Washington University will have the Walker name attached to our institution for generations to come."
Genome

Waterston receives largest grant in WU history

Two companies recently announced their intention to sequence the human genome in a more rapid fashion. Their projects would be rough drafts, whereas the publicly funded project is aiming for a highly accurate and complete sequence with all pieces in the correct order. "Considering the medical and sociological impact of this project, I think we should focus on doing the job right rather than on differences in cost or time of delivery," Waterston said. "Otherwise, it would be like trying to read a book with missing pages. If you really want to understand what the author intended, you have to have a good edition."
A grandfather gave his grandson Camel playing cards, and a mother and daughter saved Marlboro coupons for a leather jacket. Such cigarette continuity programs, which often involve teams of people collecting coupons together, are becoming a popular way to reinforce smoking cessation into the fabric of everyday life, even for nonsmokers. Tobacco control specialists—increasingly, community leaders—are enlisting the help of nonsmokers to encourage smokers to quit.

Schreiber receives leukocyte biology award

Robert D. Schreiber, Ph.D., the John A. Lash Professor of Pathology, was awarded the Marie T. Bencardino Award by the Society of Leukocyte Biology for excellence in leukocyte biology. This is the highest scientific award given by the society.

Saffitz named director of Markey Pathway

Jeffrey Saffitz, M.D., Ph.D., professor of pathology and of medicine at the University of Kentucky Chandler Medical Center and the Kentucky Institute for Cancer Research, has been named the new director of the Lucile P. Markey Special Emphasis Pathway in Hematology-Oncology at the University of Kentucky HealthCare. Saffitz succeeds Alan I. Schwartz, M.D., Ph.D., the Harriet B. Sopher Professor and head of the Division of Hematology-Oncology at the School of Medicine, who was director of the Markey Pathway since its inception in 1991. Saffitz, who also holds the Alumni Endowed Professorship in animal physiology and complexities of ordered pathobiology, will continue to serve as an adviser to the Markey Pathway.

Techniques might increase success rate

Jeffrey F. Williamson, Ph.D., assistant professor of electrical engineering at the University of Iowa, has received a four-year $1 million grant from the National Cancer Institute to integrate imaging techniques into treatment of locally advanced cervical cancer. The cervix forms the bottom third of the female reproductive tract, a hollow organ that sits on top of the vaginal canal. Cervical cancer is estimated to cause one in 200 women to die each year. The cervix contains cancerous tissue in up to 20% of women with cervical cancer. In one third of those women, the cancer is not visible on an examination. Also, he hopes parents will think twice about giving the merchandise to their children and think even harder about involving their children in coupon collecting. "If parents don't want their children to smoke — and parents usually say they don't — collecting coupons with their children and giving them this merchandise is inconsistent," Sumner said. "Such activities are almost certain to encourage children to smoke." He added that parents who want to keep such merchandise should at least consider removing the brand emblems.

"If parents don't want their children to smoke — and parents usually say they don't — collecting coupons with their children and giving them this merchandise is inconsistent." Walton Sumner

Sumner: Researches tobacco control

Sumner and his colleagues interviewed 176 smokers at the University of Kentucky Chandler Medical Center to determine how coupon-collecting teams in continuity programs are structured, if they include multiple generations and their level of popularity.

"We found that there was a lot of intergenerational smoking," Sumner said. "These programs help companies reinforce smoking cessation efforts in families when other people have no idea that smoking is going on.

Also, he hopes parents will think twice about giving the merchandise to their children and think even harder about involving their children in coupon collecting. "If parents don't want their children to smoke — and parents usually say they don't — collecting coupons with their children and giving them this merchandise is inconsistent," Sumner said. "Such activities are almost certain to encourage children to smoke." He added that parents who want to keep such merchandise should at least consider removing the brand emblems.

"Health care providers also should be reminded that when you're advising someone to stop smoking, you're asking them to make sacrifices that you might not have guessed," Sumner said. If 10 officemates are collecting coupons toward a prize, he believes it would be too socially large for dropping out of the collecting groups.

Taking a more optimistic view, Sumner said that if social networks can support smoking, they might also be used to discourage smoking. "We could make it easy for people to work together to quit smoking and advance their own health agendas," he said.

Williamson develops imaging methods to improve cervical cancer treatment

Jeffrey F. Williamson, Ph.D., assistant professor of electrical engineering at the University of Iowa, has developed a computer model based on methods developed at Washington University that take into account the physical properties of the uterus, vagina and other organs to extrapolate how much the applicator system and cancer treatment distort their positions. Using the model, they will morph the CT images of each woman onto their pre-treatment, magnetic resonance image to capture a composite image for each.

"These results should help us understand what minimum radiation dose is needed to control the tumor as well as what does the healthy tissues can tolerate without causing complications," Jeffrey F. Williamson

A conventional regimen of external radiation therapy and brachytherapy. Brachytherapy will be based on standard X-ray images taken before an applicator is inserted for 50-90 hour treatments with radiation. In addition, each woman will receive five CT images one prior to the start of treatment and additional images before and during each round of brachytherapy to capture anatomical changes that may occur. The researchers also will obtain a magnetic resonance image prior to treatment of the women, which provides greater tumor detail than CT. Using the series of additional images, they will observe the shift in location of the uterus and other organs with applicator insertion and as a result of treatment repositioning.

With Christensen, the researchers will use the images to determine how much radiation each section of pelvic tissue received. They will create a computer model based on methods developed at Washington University that take into account the physical properties of the uterus, vagina and other organs to extrapolate how much the applicator system and cancer treatment distort their positions. Using the model, they will morph the CT images of each woman onto their pre-treatment, magnetic resonance image to capture a composite image for each.

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Looking into the future

James D. Watson, Ph.D., president of Cold Spring Harbor Laboratory and co-discoverer of the genetic code, speaks about the future of genome sequencing at an Oct. 9 banquet at St. Louis' new City Museum. His address was part of the fifth International Conference on Automation in Mapping and DNA Sequencing, hosted by the School of Medicine's Genome Sequencing Center.

WU immunologists leading their field

Washington University Immunology scientists are leading their field, judging from the impact they're having on other scientists. The 551 papers they published between 1993 and 1997 were cited in journal articles more often than immunology papers from any other institution in the United States, according to the September/October ScienceWatch, published by the Institute for Scientific Information.

Generation to generation

Cigarette coupon collecting often involves children

BY DIANE DUKE WILLIAMS

Lucille P. Markey Trust. This new grant from the International Leukocyte Biology Society was awarded to Dr. Schreiber for his research on mechanisms regulating macrophage activation to tumor cells. His latest work has focused on understanding how cigarette smoking affects the immune system.

Schreiber received the award at the society's annual meeting in San Diego. He presented the Bosnians Award Lecture titled "Twenty Years With and Molecules: From Macrophage Activation to Tumor Surveillance."
Assembly Series

Assembly Series

Lecture Series

Lessons from History and the Future of God

Assembly Series

Karen Armstrong, a professor of the history of science at Harvard University and the Massachusetts Institute of Technology, will deliver the annual Thomas Hall Lecture titled "Science: A Social Science." She is an expert in science and public affairs, and is "known for her clarity, incisiveness and prose style." Armstrong has a PhD in history of science, and is a consultant in the field of science and society. She is also a fellow at the Massachusetts Institute of Technology. Armstrong's work is focused on the history of science, and she has written numerous books on the subject. These books include "Science and Belief in the Soviet Union," which explores the role of science and religion in Soviet society. Armstrong has also written two other books: "Science and the Future of God," and "The History of God: The Making of God in Western Thought." These works have been published in a number of countries, and have been translated into many languages. Armstrong is known for her expertise in the history of science and religion, and has been a consultant to the National Science Foundation and the National Endowment for the Humanities. She has also been a consultant to the United Nations and the World Bank. Armstrong is currently a visiting scholar at the Institute for Advanced Study in Princeton, New Jersey.
**Music**

**Tuesday, Oct. 20**

11 a.m. - 2 p.m. Great Round Readings.

**Wednesday, Oct. 21**

11 a.m. Poetry reading, John funnel Faculty Reading.

**Wednesday, Oct. 21**

11 a.m. - 2 p.m. Great Round Readings.

**Thursday, Oct. 22**

1:30 p.m. Five Arts Institute workshop.

**Monday, Oct. 26**

11 a.m. - 2 p.m. Great Round Readings.

**Wednesday, Oct. 21**

11 a.m. - 2 p.m. Great Round Readings.

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Loop in Motion members of COCA Dance, a jazz dance troupe of upper level students from the Center of Contemporary Arts (CCA), perform at the Loop in Motion Festival Oct. 10. The dancers were celebrating the founding of the Loop Arts District, a new partnership between Washington University, COCA, Craft Alliance and the St. Louis Symphony Music School.

E.G. Lewis hoped to create an arts center in his native country, Gass concluded. “We shall have to begin by establishing one for ourselves.”

According to Riven, the district’s creation is in response to the importance of the arts to the area, which long has been known for its cultural attractions. Givens added that partnering with other arts institutions will allow for increased collaboration between them, particularly with regard to educational programming.

“Literally thousands of young people and adults benefit from a wide range of music, dance, theater, visual and the literary arts each year,” Riven said. “I am very pleased that these four organizations have come together to create a viable entity for cooperation and sub-Sacramento programming. There is a tremendous potential to expand our programming and visibility for the arts through the Loop District.”

“The formation of an arts district for this area is a wonderful and historic commitment to the community,” noted Flora Maria Garcia, executive director of the Missouri Arts Council. “We are thrilled to see these organizations collaborate with one another and respond to the needs of the community.”

Walker
Gift establishes engineering chair — from page 1

Girl Scout Council of Greater St. Louis, Inc. presented to Trinity Lutheran Church. They established the Walker Scottish Rite Clinic for Children and Language Disorders.

The Carr Lane Co. has established a new endowed scholarship for education with selected area high schools to provide vocational training for students. Many of these students continue working for Carr Lane in return for their college tuition. The Walgreens have established scholarships for seniors in the心血管 Health District School and they have endowed a scholarship fund at the University of Texas for Master's degrees. In 1990 the Walkers were named “Outstanding Philanthropists” by the St. Louis Chapter of the National Society of Fund Raising Executives.

A member of the Society of Manufacturing Engineers (SME) for nearly 40 years, Earl Walker was honored in concert with the organization’s College of Fellows in 1993. He has received SME’s Lifetime Achievement Award, his El Whitney Productivity Award and is an SME fellow. Earl Walker served on the Board of Directors and two terms as president of the SME Education Foundation.

Endowments professors are our greatest need, and there is no higher honor a faculty member can receive than a named chair,” said Christopher L. Byrnes, Ph.D., dean of the engineering school. “The Walker’s gift helps the School of Engineering and Applied Science maintain its excellence and allows us to bestow on Karen Jay some of the same opportunities for his superior teaching and research achievements.”

In addition to being a professor in the School of Engineering, Jerina is also chair- man of the Materials Science and Engineering department and director of the Materials Research Labora tory. He has received master’s and doctor’s degrees from the University of Illinois in 1973 and 1974, respectively. After a career as an engineer and consultant, Jerina joined the faculty in the civil engineering department at Texas A&M University and moved to Washington University as an associate professor of materials science in 1984.

He was promoted to full professor in 1988. During his tenure a scholarship has been honored with the school’s Professor of the Year Award and with a Burlington Northern Foundation Award for Distinguished Achievement in Teaching.

Jerina teaches mechanical engineering courses and materials science and serves as design and course coordinator. He has written extensively for his research on mechanical properties and applications for a variety of materials such as how transition metal alloys to polymers and composites. He has been a leader in pioneering contributions to the development of new methods for characterizing high performance materials. His research has been published extensively in engineering, bioengineering, materials science and medical journals.

Law professor recommended a student who was putting up a for lease window sign and had a understandable contents, valued at $80.

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Notables

School of Medicine faculty member receive tenure

The following School of Medicine faculty members were promoted with tenure or granted tenure, effective Sept. 1, 1998, following the meeting of the Board of Trustees.

Promotion with tenure
Andrew C.Y. Chan, M.D., Ph.D., to associate professor of medicine
Robert H. Rosen Jr., Ph.D., to associate professor of medicine
Granting of tenure
Richard K. Wilson, Ph.D., as associate professor of genetics

For a good cause
Mary Settlemoir (second from right) and Lisa Bradley (right) were among the George Warren Brown School of Social Work staff selling lunch and baked goods in the Goldfarb Hall kitchen commons Oct. 7 to raise money for community social service agencies.

Saker to head judicial programs
Julie Saker has been appointed director of judicial programs at the University, according to Justin X. Carroll, assistant vice chancellor for students and dean of students. Saker will serve as a senior staff member in student services and will be responsible for working with students, faculty and staff to establish and promote community expectations.

Saker: To establish expectations

Saker comes to the University from Saint Louis University, where she spent the last 11 years in a variety of administrative positions, including assistant vice president for student development and associate vice president for student development programs. She also served as assistant director and coordinator of new student orientation and residence life at Northeastern University from 1986-87. Saker earned a bachelor's degree in human resources and family studies in 1980 from the University of Illinois and a master's degree in student personnel services and counseling in 1982 from Miami University, Oxford, Ohio.

Derek Hirst named chair of history
Derek M. Hirst, Ph.D., the William Elliot Smith Professor of History, is the new chair of the Department of History in Arts and Sciences. Hirst takes over from Richard J. Walter, Ph.D., professor of history, who has led the department since 1993.

Hirst: Succeeds Walter as chair

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Hirst: Succeeds Walter as chair

Monica Lewinsky's personal legal fees likely to exceed $200,000


News Analysis

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For Dodson, there are too few hours in the day

From research into epilepsy to enhancing medical admissions, Edwin Dodson, M.D., is making a difference for many

By Brenda Murphy

Washington People

W hen the varied career of Ed Dodson is reviewed, two observations become crystal clear. There aren’t enough hours in the day for this man to make a difference in the lives of his fellow human beings, and the welfare of those younger than he — from children through young adults in medical school — is among his highest concerns.

As a practicing clinician, W. Edwin Dodson, M.D., professor of pediatrics and of neurology, was so moved by the permanently damaging effects of child abuse that he became an outspoken children’s welfare advocate and was instrumental in championing Missouri state funds toward child abuse prevention.

As chairman of the board of the Epilepsy Foundation of America and as a research scientist and consultant in the design of pharmaceutical companies’ clinical trials for several new epilepsy drugs, Dodson is just as committed to finding new treatments for epilepsy. (In the United States alone, epilepsy strikes about 3 million people. 30 percent of them children under the age of 18.)

As dean for admissions at the School of Medicine, Dodson also is committed to recruiting the members of underrepresented minorities among the medical school classes. During his tenure, he has shepherded the rise in female students from about 30 percent to 50 percent.

Dodson, 56, earned a medical degree from Duke University in Durham, N.C., and began his long association with the medical school in 1971 as a resident and fellow in pediatrics and an instructor in pediatrics. He was named professor of pediatrics and of neurology in 1975, associate professor in 1980 and professor in 1986.

Throughout his career, Dodson has participated in the interview and selection process of interns and house staff, and this is a part of what he loves. "Applicants used to go to lunch with faculty members," Dodson observed. "I thought it would be better for them to go with a group of students who are on clinical rotation. The impression used to be that Washington University was predominantly a research-oriented school. First and foremost, this institution is about the practice of clinical medicine at the very highest level. Meeting with students on clinical rotation emphasizes that." "Ed has catalyzed our students to become involved in the admissions process," said Leslie E. Kahl, M.D., associate professor of medicine and associate dean for student affairs. "They are our best ambassadors because they share their enthusiasm with candidates. They are our most successful recruiting tool."

Dodson believes his personal role in medical school admissions is to nurture the process. "My job is to let people know about our program, get them to apply here and make sure they get fair consideration," said Dodson, who spends approximately 50 percent of his time on admissions.

Adding women

When he first took over the position in 1990, he quickly addressed the underrepresentation of women among students. "We were using a very members-only process with applicants," Dodson said. "The medical admissions test is slightly biased against women. Women are more global in their view of problems, while men are more specific. The majority of questions on the test are written by men." In addition to leading the admissions process, Dodson was named associate vice chancellor forContinuing Medical Education (CME) in December 1997. In this position, he works to meet the educational needs of a more mature audience — established academic and clinical community physicians who are required to participate in 25-plus hours of accredited, face-to-face learning each year in order to maintain their medical licenses.

"We want to adapt our continuing education programs to meet needs that are specific to physicians’ practices," said Dodson, who spends 50 to 60 percent of his time on CME and one day a week to consulting. "We want to become recognized nationally and internationally as a great place to learn at the edge of what is known."

With nearly 90 percent of his time devoted to admissions and CME and one day a week to his clinical practice, he still manages to contribute to his favorite personal causes — epilepsy and child abuse prevention. Colleagues are quick to point out that Dodson’s workdays extend far outside the 9-to-5 norm. "I credit his success to hard work and long hours," said Richard W. Brand, D.D.S., assistant dean for admissions and student affairs and adjunct professor of anatomy. "One moment he’s working on admissions, then CME. And there’s always something from epilepsy." "Ed remains a wealth of knowledge for us," said Dorothy Heflinbrand, executive director of the Webster Groves-based Family Support Network, the private non-profit agency that Dodson helped found. "He has a great sensitivity for families who are up against it. He’s also a top-notch clinician."

Involved locally

In addition to working with the Epilepsy Foundation of America, Dodson is involved at a local level, virtually as a board member and now in an advisory capacity.

Dodson has been involved in the community in many ways, including his long involvement with the Episcopal Diocese of the Diocese of Missouri. "With all of these demands on his time, he always made our local meetings a priority," said Ed M. Mires, M.D., professor of neurology and of pediatrics at Baylor College of Medicine in Houston, who worked with Dodson for many years through the National Epilepsy Foundation. He credits Dodson’s success to his ability to lead others. "Ed has his own sense of enthusiasm, which creates a sense of urgency," said Mires. "When you talk to him about something, you know it’s going to get done. Ed is great at mobilizing forces."

With nearly 90 percent of his time devoted to admissions and CME and one day a week to his clinical practice, he still manages to contribute to his favorite personal causes — epilepsy and child abuse prevention. Colleagues are quick to point out that Dodson’s workdays extend far outside the 9-to-5 norm. "I credit his success to hard work and long hours," said Richard W. Brand, D.D.S., assistant dean for admissions and student affairs and adjunct professor of anatomy. "One moment he’s working on admissions, then CME. And there’s always something from epilepsy." "Ed remains a wealth of knowledge for us," said Dorothy Heflinbrand, executive director of the Webster Groves-based Family Support Network, the private non-profit agency that Dodson helped found. "He has a great sensitivity for families who are up against it. He’s also a top-notch clinician."

Involved locally

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W. Edwin Dodson, M.D.,

Education: B.A., Duke University, 1963; M.D., Duke University, 1967

Positions: Professor of pediatrics and of neurology, associate dean for medical student admissions, associate vice chancellor for Continuing Medical Education

Community leadership: Board chair, Epilepsy Foundation of America; founder, Family Support Network

Family: Daughter Anna, 30; sons Will, 28; Jason, 27; Gage, 17; and Matthew, 16

Avocation: Fly fishing