Is celecoxib a safer alternative for preventing pre-term labor?

By Gila Z. Reckess

The drug celecoxib may be a safer alternative for treating pre-term labor than traditional therapies, according to a preliminary study led by School of Medicine researchers.

One of the established treatments to prevent pre-term delivery is indomethacin, a drug used to slow uterine contractions and delay delivery. But indomethacin is associated with serious side effects.

Recent research suggests that celecoxib, also known as celebrex, may be a safer alternative. The study, which was published in a late September issue of the American Journal of Obstetrics and Gynecology, is the first clinical trial testing celecoxib in pregnant women.

"Celecoxib appears to be safer, particularly for the fetus," said Paul Sadovsky, M.D., director of the Division of Genetics, Molecular Medicine and Ultrasound in the medical school.

This preliminary results also suggest that celecoxib is just as effective, and we are currently planning a larger trial to further examine its effectiveness."

The study is a combined effort between Washington and Northwestern Universities. Sadovsky, also associate professor of obstetrics and gynecology at Washington University, and Catherine S. Stika, M.D., at Northwestern.

According to the American College of Obstetrics and Gynecology about one in every 10 births in the United States occurs within the first 37 weeks of pregnancy and is therefore considered "pre-term." Pre-term labor is responsible for about 75 percent of newborn deaths not related to birth defects, and premature infants often experience lifelong complications.

Indomethacin, one of the standard drugs used to treat pre-term labor, prevents the production of a type of protein called cyclooxygenase (COX), which is thought to play a critical role in the onset of pre-term labor.

 Celecoxib dominated the news, says Sadovsky. A&E will air a two-hour documentary on the expedition in the fall. "The Lost Dinosaurs of Egypt," will be the first production in a series of specials, according to Sadovsky.

Elinor Nelson, grants specialist in sponsored projects accounting, helps children try on new shoes at Playless Shoe Source. From left are Ralph Jones, Terrell Shannon, Richard Jones, and Javonte Burrow. The children are from Hope House, a homeless shelter in Wellston, Mo.

Happy feet, happy kids

Shoes for less-fortunate children aim of staff member's program

By Andy Clendenen

You can see it in their eyes. Then, as the smiles gradually cross their small faces, you think that, yes, this is indeed a good thing.

Elinor Nelson says these reactions quite often. Nelson, a grants specialist in sponsored projects accounting, helps children try on new shoes at Playless Shoe Source.

"So for Nelson, shoes seemed like the perfect solution," said Tom Lamanna, who has been part of the community for 23 years. "I wanted some way to make sure they change the world for so many families, because I see so many children in schools who need a simple pair of shoes.

But it's not simply buying the shoes and giving them to the children. What makes Nelson's program unique is that she actually meets the kids in the shoe stores, and the kids are allowed to pick out shoes.

48 retirees honored at annual luncheon for years of service

48 retirees honored at annual luncheon for years of service

By Andy Clendenen

Quick, name the past six chancellor of the University. You can't, right? The university has had only three since 1853, and not only can she name them, she knew them all personally.

"Jean Gaines was the ultimate type of advisor," said James C. Danforth and current Chancellor Danforth.

"Jean Gaines advised us on the need for a professional advisor, and the need for a graduate program in the medical school," said William H. Danforth and current Chancellor Danforth.

Gaines was one of 48 recent retirees recognized in a luncheon hosted by Wrighton Sep. 26 at Whitmire Library.

From 1946-1998, Gaines worked in the Office of the Registrar, now called Student Records, where she was promoted from secretary to administrative assistant to associate registrar; in 1998, she joined public affairs as director of commencement.

"Jean Gaines was the ultimate Washington University employee," said Jean Gaines. "I was so happy to be able to work with such a diverse group of people."
Calvert named Eagleton University professor

By GEORGE EVERSING

Randall L. Calvert, Ph.D., professor of political science in the department, will be named the Thomas E. Eagleton University Professor of Public Affairs & Political Science, announced Edward S. Macias, Ph.D., executive vice chancellor and dean of Arts & Sciences. Calvert will hold the position formally in a Feb. 18 ceremony.

Calvert, a specialist in American politics and positive political theory, joined the faculty in Arts & Sciences as a professor of political science in October 1999. He also taught here as assistant professor from 1979-1985 and as associate professor from 1985-87.

In 1984, he was a postdoctoral fellow in political economy at Carnegie-Mellon University, and he spent 1990-91 as a fellow of the Center for Advanced Study in the Behavioral Sciences.

"A superb scholar with an international reputation, Randy Calvert is an exceptional teacher as well," Macias said. "He brings to Arts & Sciences a truly interdisciplinary approach to the study of politics, and through his work he will add great distinction to this important professorship."

Before returning to Washington University, he was the Don Alonso Watson Professor of Political Science at the University of Rochester, serving as department chair there from 1996-98.

Calvert earned a bachelor's degree in philosophy and political science in the social sciences from the University of Kentucky in 1975 and a doctorate in social science from the California Institute of Technology in 1980.

Calvert is the author of the Interdisciplinary Models of Imprisoned Information in Politics. His articles on American legislative and electoral politics and on positive theory are published in a variety of leading journals, including The American Political Science Review and The American Journal of Political Science.

Over the past decade, his research has concentrated on game-theoretic general models of leadership and social institutions. His current research and teaching focus is on processes of political communication and argument and on American constitutional politics.

Calvert recently chaired the American Political Science Association's Organized Section on Political Economy, and he served on the section's council from 1994-96. He also served on the National Science Foundation's (NSF) Panel on Political Science and on NSF's Graduate Fellowship Program evaluation panel.

He is co-editor of the interdisciplinary journal Economics & Politics and the Cambridge University Press series on "The Political Economy of Institutions and Decisions."

He serves on the editorial boards of the British Journal of Political Science, Legislative Studies Quarterly and the Journal of Theoretical Politics. He has held similar board roles for the American Journal of Political Science and the Journal of Politics.

The Thomas E. Eagleton University Professorship in Public Affairs & Political Science was established in 1983 to celebrate the long years of service that Eagleton provided to the people of Missouri upon his coming home to the area and to a faculty position at the University. The inaugural holder of the chair, Eagleton held the professorship until he was named professor emeritus in 2001.

The School of Law's Clinical Advocacy and Trial and Advocacy programs will host the third annual "Access to Equal Justice Conference: Creating Collaborations Between the University and the Community to Improve Access to Justice in Our Region." Oct. 9 in the Bryan Cave Moot Courtroom in Anheuser-Busch Hall.

The Criminal Law Society, the American Civil Liberties Union and the Pre-Bono Jurists law student groups are assisting with the conference.

The goal of the conference is to provide a forum for University faculty and students, lawyers, judges, community leaders and government officials to collaborate on improving access to justice and the delivery of legal services in our region.

The conference begins at 9 a.m. with a showing of the documentary First Monday 2002: Civil Liberties in a New America. The film features David Cole, a Georgetown University law professor; Roger Williams, a Pulitzer Prize-winning journalist and George Mason University history professor; and Howard Zinn, a historian, playwright and author.

Barry C. Scheck, professor of law and director of the Cardozo Legal Education & Jacob Burns Center for the Study of Law and Ethics at Yeshiva University's Cardozo School of Law, will speak at 11 a.m. on "Wrongful Convictions: Causes and Remedies."

Scheck is co-founder and co-director of the Cardozo Innocence Project and a member of the National Institute of Justice Commission on the Future of DNA Evidence.

In addition to the work he has done through the Cardozo Innocence Project, which has represented more than 300 clear cases exonerated through post-conviction DNA testing, Scheck has represented defendants such as Hadden Nussbaum, D.J. Simpson, Louise Woodward and Abner Louima.

Mary E. Becker, professor at the University of California, will speak at 2 p.m. on "Law and the Emotions of Battered Women."

In 2004, she was co-founder of the Illinois Clemency Project for Battered Women and co-author of Materials on Feminist Jurisprudence: Taking Women Seriously.

In addition to his academic work, Scheck and Becker's talks are open to the public. However, registration for the conference is required to obtain materials, attend panels and participate in lunch meetings.

Attendance will be limited to the first 150 registrants. There is no fee for registration.

To register, e-mail Kate Holeman or call 935-6419; or, to view the complete conference agenda and register, visit law.wustl.edu/whitman/conference/conf.html.

The conference provides six hours of Mandatory Continuing Legal Education credit, including three hours of ethics hours.

BY JESSICA N. ROBERTS

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From Hendrix to Hoobastank, from the Mamas and Papas to Papa Roach, students (such as the three above in 1968) have used Olin Library as a place to meet friends, listen to music, check out movies and, yes, even study. Olin Library is the main library at Washington University, and students in various schools bring the library a count of 14 different libraries. Olin Library currently is undergoing a massive renovation that will result in a smaller and more intimate facility, and during June, July and August the library will be closed to users. Washington University, Campus Box 1070, One Brookings Drive, St. Louis, Mo. 63130.

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An unstoppable drive

African-American blood-donation program funded by grant

BY KIMBERLY LEE YING

Michael DeBaun, M.D., assistant professor of pediatrics in the School of Medicine, has long been devoted to decreasing the health-care disparity in underserved populations.

DeBaun first saw his efforts come to fruition in the summer of 1999 when he and the leadership of the African American Red Cross established the St. Louis African American Community Blood Donor Program. The program honors the distinguished African-American scientist who pioneered the field of blood plasma preservation and storage.

Medical school researchers recently received a five-year, $897,449 grant from the National Institutes of Health (NIH) to expand the School of Medicine's Community Blood Donor Program. The NIH grant will allow University researchers to expand the successful local blood-donor program statewide.

The grant provides researchers the opportunity to study blood donors and the brain pathways in the left and right brain hemispheres.

The NIH grant will allow University researchers to expand the successful local blood-donor program statewide.

We predict that the number of African-American blood donors in Missouri will increase by 300 percent over the next three years.

Sickle cell patient Greg Williams helps Michael DeBaun, M.D., find his heart rate.

"This information has direct implications for optimizing rehabilitation and pharmacological treatment after stroke," he said.

After stroke, right side of brain learns language skills

BY GILA Z. RECKER

When a stroke affects the language areas in the left side of the brain, the right side takes over and learns how to perform language tasks, according to research published in the School of Medicine.

The NIH grant, which appears in the Sept. 26 issue of Neuron, found that the right side of the brain is more active than normal during a verbal language task, and that the right side's activity decreases with practice, similar to what was found in the left side of the brain in healthy individuals.

"This supports the hypothesis that brain pathways in the right hemisphere are directly involved in the recovery of language after stroke," said Corbetta's senior author, also an associate professor of neurology, of anatomy and neurobiology. The first author is Valeria Corbetta, M.D., head of stroke and brain injury rehabilitation.

"This study has implications for neurorehabilitation," explained Corbetta. Because the task becomes familiar, the brain does not have to work as hard. Practitioners, brain activity normally decreases in areas that are important for performing the task.

"In healthy patients, the right hemisphere becomes less active in both the left and right hemispheres. Brain images from stroke patients show differences in language areas.

"Language areas damaged by the stroke were not active during the language task. However, activity on the right side of the brain opposite the damaged areas on the left became active, and that activity decreased with practice. Visual areas on the right side also decreased with practice.

"Patients with smaller lesions had slightly different patterns of brain activity. In addition to learning-related changes on the right side of the brain, the areas near the lesions on the left side also improved with practice. These patterns of brain activity are consistent with the idea of learning and ultimate recovery of damaged areas in stroke patients.

"According to Corbetta, these results indicate that a stroke produces complex changes in the way both sides of the brain perform during language tasks.

"This information has direct implications for optimizing rehabilitation and pharmacological treatment after stroke," he said.

Cardinal Glennon Children's Hospital collects, processes and stores donated cord blood for the purpose of stem-cell transplant for children with life-threatening diseases. Stem-cell transplantation is an alternative to bone marrow transplant and offers a chance for many children with cancer. It also carries a promise of a cure for children with sickle cell disease.

In 2000, only 34 African-American cord-blood donations were collected from 6,800 births in St. Louis, African-Americans comprise roughly 12 percent of that birth, but only 2 percent of the total cord blood banked to date is from minorities, DeBaun said. The 10 percent of normal blood donations from African-American women is even lower.

Last spring, DeBaun's team conducted a survey that pulled data from 150 African-American women in north St. Louis. "The survey results that approximately 90 percent of the polled women said they would definitely or probably donate their cord blood if they were aware that it might help someone," DeBaun said.

Although the grant's community awareness program is an additional effort, DeBaun predicts that at least 10 percent of African American births in the St. Louis region will result in cord-blood donations in the future.

The grant also will allow DeBaun's team to continue programs such as Sickel Cell Sabbath, a faith-based outreach program that encourages African-American churches to educate and increase awareness about sickle cell disease.

"We believe our strategies used for expanding both blood and cord-blood donations in the African-American community will improve the quality of life for children and adults with sickle cell disease in north St. Louis," DeBaun added.

Cardinal Glennon Children's Hospital, for all affected individuals with sickle cell disease in Missouri," DeBaun said.

""But our grant will expand our efforts to include African-American infants. African American infants, and adults with sickle cell disease. DeBaun says traditional health-care barriers and misperceptions in educating African-American women about the importance of cord-blood donations has prevented this group from being informed about the importance of donating cord blood.

"The St. Louis Cord Blood Bank at Saint Louis University collects, processes and stores donated cord blood for the purpose of stem-cell transplant for children with life-threatening diseases. Stem-cell transplantation is an alternative to bone marrow transplant and offers a chance for many children with cancer. It also carries a promise of a cure for children with sickle cell disease. It is vitally important that children with sickle cell disease are helped and encouraged to donate cord blood for the purpose of stem-cell transplant for children with life-threatening diseases. Stem-cell transplantation is an alternative to bone marrow transplant and offers a chance for many children with cancer. It also carries a promise of a cure for children with sickle cell disease. "Our cord-blood bank helps in St. Louis, African-Americans comprise roughly 12 percent of that birth, but only 2 percent of the total cord blood banked to date is from minorities, DeBaun said. The 10 percent of normal blood donations from African-American women is even lower.

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Limon Dance Company comes to Edison Oct. 11-13

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Dance St. Louis and the Edison Theatre OWATONS! Series will present the Limon Dance Company Oct. 11-13. The performances will center on Psalm (1967), which was recently restored by artistic director Carla Maxwell for 2002 Winter Olympics in Salt Lake City, with music by Roy Harris. Other works include...
Jazz at Holmes offers coffeeshouse setting

By LIAM OTTEN

Story gets you down, exams still feeling foolish? Recuperate with alternating patches of hot and cool jazz, courtesy of the jazz at Holmes series, now in its fifth season.

Supported by the College of Arts & Sciences, the Department of Music, the Arts & Sciences Student Union, jazz at Holmes offers a free, no-cover, open-mic coffeeshouse setting from 8-10 p.m. Thursday evenings during the school year. All concerts are free and open to the public. The next show takes place Friday, Oct. 6 in the Holmes Lounge in Ridgley Hall.

“Many musicians (ask) to return again and again for the rare opportunity to play in a room with such a warm sound and congenial atmosphere,” said Lehtlin, a guitarist who will perform with Nordy this fall. “They like local jazz musicians as well as Washington University students enrolled in the Department of Music’s jazz combo program.”

For more information, call 935-4841.

North, Yrie to speak at economic history meeting

Jewel laureate Douglass C. North, Ph.D., and John V.C. Nye, Ph.D., will co-present the plenary lecture more than a century after the Nobels, scholars will visit M. Louis Oct. 11-13 for the 1st national meeting of the Economic History Association. History and economics faculty and held at the Hyatt Regency in downtown St. Louis, the meeting will include three days of plenary talks and discussions on the gener- al theme of “Economic Growth and Institutions.”

North will speak at 5 p.m. Oct. 11 on "Cleantime, the Faculty recital Music of Women Composers Oct. 6

The Department of Music in Arts & Sciences and the Steinberg Auditorium in Steinberg Hall. The concert is free and open to the public. Performers are Elisabeth Ronald, director of strings, Amiee Annette Burkhardt, instructor in violin; and soprano Susan Kamen; and associate concertmaster of the St. Louis Symphony Orchestra.

The Missouri Southern Chamber Orchestra will offer live music in a coffeehouse setting from 4-8 p.m. Oct. 28 in the Kranz Center at Missouri Southern State University. Featuring composer performances by students, the Missouri Southern Chamber Orchestra will perform a variety of music with a focus on contemporary and new works.

The Missouri Southern Chamber Orchestra will perform a variety of music with a focus on contemporary and new works. The program will include works by contemporary composers such as John Luther Adams, Helmut Lachenmann, and Steve Reich. The performance will be held in the Kranz Center at Missouri Southern State University, located at 3200 South Memorial Drive in Neosho, MO. The event is free and open to the public. For more information, contact the Missouri Southern Chamber Orchestra at 417-693-9114 or visit mssu.edu/chambermusic.

Music

By JESSICA N. ROBERTS

The Whitney R. Harris Institute for Global Legal Studies will host “Paradigms of International Justice: International Conference of the American Society of International Law,” Oct. 11 in the Charles E. Knight Executive Education Center, Room 200. This conference is the first of three one-day conference workshops on the issue of international justice. The next two will be held at the New England School of Law and at Case Western Reserve University.

Law professors from around the United States and various institutions of international law experts will participate. "The Accountability Paradigm: International and Domestic Foas of the Alleged Criminals in the T

As the WUSTL World Tour University students got the unique opportunity to work on the set of a network show opera when the cast and crew of From the Wustl World Tour came to the Hilltop Campus Sept. 28 to film part of an episode. —one in front of Brookings Hall and another in Brookings Quadrangle (above). Students from the Performing Arts Department in the Arts & Sciences served as extras and students from Film and Media Studies, also in Arts & Sciences, worked as production assistants. The filming here featured the final episode on characters the run on and offing on college campuses. Filming took place on 10 different campuses throughout the country.

Paradigms of International Justice conference Oct. 11

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May be a safer alternative for pre-term labor — from Page 1

Recently, however, several research teams have discovered that women who received the drug celecoxib — which inhibits only COX-2, may effectively treat pre-term labor with fewer side effects, since the drug targets one protein.

The women were randomly assigned to one of two treatment groups. The team examined the health of the mothers and fetuses until delivery. The team found the two drugs equally safe for mothers. But celecoxib was safer for fetuses than indomethacin.

For example, indomethacin significantly increased the concentration of a major blood vessel in fetuses, while there was no significant change in the celecoxib group. Also, the volume of amniotic fluid in the indomethacin group was less than in the celecoxib group 24 hours and 48 hours after the first treatment. Blood tests confirmed that celecoxib interfered only with COX-2, while indomethacin also disturbed another COX protein.

But celecoxib was safer for fetus than indomethacin. But celecoxib was safer for fetus than indomethacin.

"It's so important to search, but in that time, came up with some dopamine bone fragments," Smith said. "I found the area and showing there were other things there we didn't know we discovered at the bone.

Celecoxib — a class of drugs more than an idea and vague proof and through a series of fortunate happenstances, eventually Smith, through a close friend, convinced a Los Angeles film company to fund the expedition as long as Smith's team would agree to be the subjects of their documentary. The film company, MPH Entertainment, did all the filming and editing of the film.

Smith and her collaborators not only uncovered the original site, but they also discovered an entirely new genus of dinosaurs, Parasaurolophus, which is known as the second-most massive dinosaur ever to walk the earth. Smith and the team published their findings in the June issue of Science. Their story was subsequently documented in The New York Times, USA Today, Newsweek, Scientific American and a host of other publications and in television interviews that went worldwide.

"It was incredible, the amount of coverage that we got," Smith said. "We were just stunned. It went from finding a little bone in the desert and the next thing I knew I'm on CNN talking to a million people.

There will be more, Smith's publisher, Random House, has him scheduled for a national author tour that will take him to New York, Boston, Philadelphia and Toronto in the coming months.

Dinosaurs

Smith, collaborators discover new genus — from Page 1

Jennifer Smith, also a graduate student at the University of Pennsylvania, was going to keep on another project in January 1998 when she met her boyfriend Josh Smith if he'd like to hire on as a field assistant. He agreed and the offer he made that condition be allowed some time to reach Stromer's general area.

Smith spent just two days to search, but in that time, came up with some dopamine bone fragments. After that, he had found the area and showing there were other things there we didn't know we discovered at the bone.

"An extraordinary range of talents," said James Burmeister, executive vice chancellor for medicine; Virginia Toliver, as executive vice chancellor for medical affairs and dean of the School of Engineering & Applied Science. "We're going to hire on as a field assistant. He was granted just two days of coverage that we got," Smith said. "We were just stunned. It went from finding a little bone in the desert and the next thing I knew I'm on CNN talking to a million people.

"It's like, 'Wow, I get to go shopping, I have something that I want.' A lot of these families are used to giving hand-me-downs, so we want a different concept and try to pick something out that they want," Nelson said.

She noticed. Nelson started from the program in June 2000; she uses the accounting skills required for her University position to apply for grants and keep the books for the 2000 and 2001 seasons. For the past two years in terms of raising the most money. She and her husband, Antwine, among those who lend invaluable support.

"I think of it that way. Former St. Louis Cardinal All-Star Rick Lankford and his wife, Yolanda, have been very helpful with financial support of the program. In fact, Lankford, who now plays for the San Diego Padres, has been the celebrity-chair of the organization for the past four years.

Several local businesses and churches also have pitched in with support. The program has grown and now has a board of seven directors, none of whom receive a salary.

"Our goal right now is 150 kids per season," Nelson said. "But our goal after five years is 2,000 kids a year. That might be pushing it because we're still learning as we go, but if it's not fantastic, it might be a good idea."

Sports

Football team downsykes Rose-Hulman — from Page 1

Fres No. 9 women placed fourth of 11 teams, while the men placed third of five. The women's team set out its top five runners and sat out its top five runners and finished 51 points in the first quarter Sep. 23rd 21 of 41 for 280 yards and two touchdowns. Dunston caught eight passes for 126 yards and two scores and Jeff Buening had six long-yard field goals.

Other updates

Freshman Heidi Pfeiffer had a career-high 15 kills and Junior Amy Brand added 11 kills as the Bears rolled up 197 yds in the first quarter Sep. 23rd 21 of 41 for 280 yards and two touchdowns. Dunston caught eight passes for 126 yards and two scores and Jeff Buening had six long-yard field goals.

Recent retirees (from left) Jane Eicket, Jean Gaines and John Epstein (far right) are honored for their years of service by Chancellor Mark S. Wrighton at a Sept. 26 luncheon at Whittemore House.
Of note

Brian D. Carpenter, Ph.D., assistant professor of psychology in Arts & Sciences, has received a one-year, $4,000 grant from the American Psychological Foundation for research titled "Family Dynamics Among In- Law Integration, Expectations and Well-Being."

Martha Storandt, Ph.D., professor of psychology in Arts & Sciences, has received a one-year, $250,000 grant from the National Institute of Health for research titled "Aging and Development."

Kevin Z. Truman, Ph.D., professor of civil engineering, has received a one-year, $453,171 grant from the National Science Foundation for research titled "Partnerships for Math, Science and Engineering Through Computer Visualization."

Efrin Rodin, Ph.D., professor of applied mathematics and systems sciences, has received a two-year, $660,000 grant from the Air Force Office of Scientific Research for research titled "Simulation and Optimization Methodologies for Military Transportation Network Routing and Scheduling and for Military Medical Services Formally Embedded as A Military Transportation Network Routing and Scheduling."

Shirley J. Dyke, Ph.D., associate professor of civil engineering, has received a one-year, $60,204 grant from the National Science Foundation for research titled "AWAR - Engineering Research Experiences for Undergraduates in Advanced Technology in Japan."

Eric J. Richards, Ph.D., associate professor of biology in Arts & Sciences, has received a one-year, $30,000 grant from the National Science Foundation for research titled "11th International Conference on Archaeology Research, June 28-72, 2002, Seville, Spain."

Thomas J. Kappock, Ph.D., assistant professor of chemistry in Arts & Sciences, has received a one-year, $35,000 grant from the American Chemical Society for research titled "Mechanism of Acetylene Formation by Faraday.

Bruce Fegley, Ph.D., professor of civil engineering in Arts & Sciences, has received a three-year, $150,000 grant from the National Aeronautics and Space Administration for research titled "Faraday.

Michael R. Brent, Ph.D., associate professor of computer science, has received a one-year, $398,500 grant from the Department of Health and Human Services for research titled "Predicting Gene Structure Vertexene Genome Construction."

Peter MacKeith, assistant dean for the School of Architecture, has received a one-year, $15,000 grant from the Graham Foundation for research titled "Journal of Philo.

Jane H. Tosteson, Ph.D., professor of radiology, has received a one-year, $25,000 grant from the University of Michigan Medical School for research titled "The Role of Molecular Pharmacology in the Pathogenesis of Nasal Physiological Disorders."

R.M. Arthur, Ph.D., professor of medicine, has received a one-year, $83,229 grant from the National Cancer Institute for research titled "Noninvasive Temperature Estimation with Ultrasound."

Christopher D. Kroenke, National Institutes of Health postdoctoral fellow, has received a one-year, $117,204 grant from the National Institutes of Health for research titled "The Effect of Computerized Cognitive Training on Psychiatric Symptoms in Schizophrenia.

Shahzada, M.D., professor of medicine, has received a one-year, $9,675 grant from the Fogarty International Center for research titled "Antithrombotic Activity of Ascidian Glycosaminoglycan.

R.M. Arthur, Ph.D., professor of medicine, has received a one-year, $9,675 grant from the Fogarty International Center for research titled "Antithrombotic Activity of Ascidian Glycosaminoglycan.

Michael K. Buchholz, Ph.D., researcher professor of epidemiology in psychiatry, has received a five-year, $10,705,780 grant from the National Institute of Mental Health and Alcoholism for research titled "New Annual Alcoholism Research Forum: Guest Symposium."

Judith M. Gurley, M.D., assistant professor of anesthesiology, has received a one-year, $88,500 grant from the Department of Health and Human Services for research titled "Pathophysiology and Treatment of Pulmonary Hypertension."

Iqbal Hamza, M.D., assistant professor of radiology, has received a five-year, $518,452 grant from the National Institute on Drug Abuse for research titled "Quantitative Analysis of the Genes of Drug Resistance."

Jose A. Conchello, M.D., assistant professor of medicine, has received a one-year, $173,200 grant from the National Institute of Diabetes and Digestive and Kidney Diseases for research titled "Immunmodulatory Mechanism of Lamina Propra Stent Cells."

High-performance computing During a Sept. 25 inauguration ceremony and tour of the new Washington University Center for Scientific Parallel Computing in Arts & Sciences, Wal-Do Suen, Ph.D., professor of computer science, said research at the center will "provide a supercomputer and a facing-page English dictionary periodically in this space."

Wolfram Schnider, Ph.D., professor in the Department of English in Arts & Sciences as assistant professor. He earned a master's degree in comparative literature from the State University of New York at Binghamton, a master's degree in American studies from the Free University of Berlin, and a doctorate in English and literature from the University of Chicago. His interdisciplinary research concentrates on locating the work of literary texts in socio-cultural fields of production, including the family, law, aesthetics and history. In his next project, "Julia" and "Juliet and a Facing Page English Dictionary," he plans to perform an investigation of social and political communities.

Joseph Thompson, Ph.D., joined the Department of English in Arts & Sciences as assistant professor. He earned a bachelor's degree summa cum laude in English at the University of Delaware, a master's and master of philosophy at Yale University in African-American Studies and English and a doctorate in English and literature focusing on the representation of education in African-American literature. Exploring the involvement of educational institutions in the perpetuation of racial ideology, he examined stories of African-American African-American writers' fiction and science fiction in the one of this kind in the first half of the 20th century.

Kellie Wells, Ph.D., joins the Department of English in Arts & Sciences as assistant professor. She earned a bachelor's degree in English from the University of North Carolina at Chapel Hill and a doctorate in fine arts creative writing from the University of California at Santa Cruz. She is a poet and a doctorate in Western Michigan University. A current assistant professor in the creative writing program at Georgia College and State University, her teaching interests include experimental writing by women and the figure of the female gaze.

William Layzer, Ph.D., joins the Department of Germanic Languages & Literatures in Arts & Sciences as assistant professor. He earned a bachelor's degree in Germanic studies at Harvard University and a doctorate degree in Romance Languages and Literatures at Harvard University. He also studied for a year at the University of Heidelberg in an undergraduate and spent a year at Göttauburg University in Sweden. His specialty is medieval literature and culture of the Middle Ages, with a special emphasis on the real and imagined Germanic poets in the early Middle Ages. Denmark, origins of the Old Saxon and the Franks of Normandy, Nordic medieval ballads and Nordic artifacts. He is working on a monograph on Hendrik Fruet-Hendrik of Normandy and has translated the same, as well as projects on battles and women in the Old Norse sagas and Ibn's Persian Gym.
Karen L. Wooley, Ph.D., professor of chemistry in Arts & Sciences, introduces Jeremiah Johnson and his band, Allsidair (including Theodore Kerman, Bracken King and Joe Schmidt), to her organic chem-

“Karen brings a wonderful sense of excitement and drive to her work. Her research accomplishments have earned her an international reputation. The department is very fortunate to have her on the team.”

JOSEPH H. ACKERMAN

“Organic chemistry can be anything alone. No one is an island. Single connections and findings are not enough. We have to change our thinking about how we can work together.”

FAITH ANDREW

Karen L. Wooley’s three sons: (clockwise from top left) Gabriel, Isaac and lain.