O n Friday, May 16, about 2,500 individuals will enter Brookings Quadrangle at Washington University to celebrate the accomplishments of some 2,500 degree candidates. See back page for the order of exercises and Commencement Week events.

Friends and family will fill Brookings Quadrangle this Friday, May 16, to celebrate the accomplishments of some 2,500 degree candidates. See back page for the order of exercises and Commencement Week events.

Class of 1997 candidates set to receive degrees at Commencement

Regardless of weather, guests may choose to watch the ceremony via closed-circuit television in either Brown Hall Auditorium or Edison Theatre. The Right Honorable Sir Geoffrey Winston Russell Palmer, former prime minister of New Zealand, will deliver the Commencement address. Palmer is one of five honorary degree recipients at this year’s ceremony.

The four other honorary degree recipients are: William H. Daughaday, M.D., a pioneer in the study of human growth hormone’s role in health and disease and the former director of the renowned metabolism division of the medical school; George Eberle Jr., a University alumnus who just stepped down as chief executive officer of Grace Hill Neighborhood Services; a not-for-profit agency serving St. Louis inner-city communities as well as areas in St. Louis and St. Charles counties; William K.Y. Tao, a University alumnus and founder of William Tao & Associates Consulting Engineers, an internationally recognized leader in innovative engineering and building systems design; and Mildred W. Wilson, Ph.D., professor of mathematics in Arts and Sciences and chair of the Mathematics Committee, will serve as grand marshal and will lead the graduating students into the quadrangle.

Alumni of the Class of 1947 — who

In this issue...

Bloodless’ surgery .......................... 2
Researchers are investigating a medication that decreases the frequency of migraine headaches.

Achieving milestones ....................... 3
William A. Peck, M.D., leads the School of Medicine into a new era.

Gallery of Graduates ...................... 4-8
Ten of this year’s most interesting degree candidates are profiled.

Chancellor Mark S. Wrighton will award the degrees in the 136th Commencement ceremony, which begins at 8:30 a.m. in Brookings Quadrangle. Of the candidates, 1,229 are undergraduate students and 1,331 are graduate and professional students.

Among the graduate students are nearly 500 candidates for doctoral-level degrees. There are 122 candidates for the doctor of philosophy degree in the Graduate School of Arts and Sciences; 31 for the doctor of science degree in the School of Engineering and Applied Science; 206 for the doctor of law degree and one for the doctor of the science of law degree in the School of Law; and 126 for the doctor of medicine degree in the School of Medicine.

In the event of rain, an abbreviated ceremony will be held and souvenir plastic ponchos will be provided. In the event of violent weather, the Commencement exercises will be moved to the Athletic Complex. Commencement exercises would then be divided into two ceremonies: the first beginning at 8:20 a.m. for the awarding of undergraduate degrees, and the second beginning at 10:30 a.m. for the awarding of graduate and professional degrees.

A decision on moving to the violent weather schedule will be made by 7 a.m. the day of Commencement. This notice and other up-to-the-minute information on Commencement Week activities will be provided on the Commencement hotline at (314) 935-4555.

‘Sense of community’ is philosophy behind the new South 40 residence halls

Regardless of weather, guests may choose to watch the ceremony via closed-circuit television in either Brown Hall Auditorium or Edison Theatre. The Right Honorable Sir Geoffrey Winston Russell Palmer, former prime minister of New Zealand, will deliver the Commencement address. Palmer is one of five honorary degree recipients at this year’s ceremony.

The four other honorary degree recipients are: William H. Daughaday, M.D., a pioneer in the study of human growth hormone’s role in health and disease and the former director of the renowned metabolism division of the medical school; George Eberle Jr., a University alumnus who just stepped down as chief executive officer of Grace Hill Neighborhood Services; a not-for-profit agency serving St. Louis inner-city communities as well as areas in St. Louis and St. Charles counties; William K.Y. Tao, a University alumnus and founder of William Tao & Associates Consulting Engineers, an internationally recognized leader in innovative engineering and building systems design; and Mildred W. Wilson, Ph.D., professor of mathematics in Arts and Sciences and chair of the Mathematics Committee, will serve as grand marshal and will lead the graduating students into the quadrangle.

Alumni of the Class of 1947 — who

In this issue...

Bloodless’ surgery .......................... 2
Researchers are investigating a medication that decreases the frequency of migraine headaches.

Achieving milestones ....................... 3
William A. Peck, M.D., leads the School of Medicine into a new era.

Gallery of Graduates ...................... 4-8
Ten of this year’s most interesting degree candidates are profiled.
Finding out what's new

Fourth-year medical student Gregory Gorman shows School of Medicine alumni the curriculum materials that current students can access on the medical school's World Wide Web site in the Bernard Becker Medical Library. The alumni were on campus for the annual Medical Alumni Reunion held Thursday, May 8, through Saturday, May 10.

'Shadow's surgery

New drugs and techniques may make many transfusions unnecessary

E lective surgeries drain about three million pints of blood from American patients every year. The blood is almost universally safe, but many patients — and a growing number of doctors — are uneasy about the transfusions. Now, School of Medicine researchers are spreading some good news: With new drugs and techniques, many transfusions may be unnecessary.

"These transfusions often cause a great deal of concern and anxiety in patients," said Gerald L. Andriole Jr., M.D., professor of urologic surgery. "Anything we can do to relieve those anxieties is beneficial."

Thanks largely to the collaboration of Andriole, Lawrence T. Goodnough, M.D., professor of medicine and of pathology, and Terri G. Monk, M.D., associate professor of surgery, the medical school is a national leader in transfusion-free or "bloodless" surgery. Andriole and other researchers are working to develop and successfully bloodless surgery for years, and researchers are conducting several clinical trials of drugs and blood substitutes that may make transfusions obsolete. Andriole, Goodnough and Monk describe their ongoing research of a medication that decreases the need for blood transfusions in the March 27, 1997, issue of the New England Journal of Medicine.

Standard treatment

Erythropoietin, a human hormone that boosts the production of red blood cells, already has prevented hundreds of transfusions of standard treatment at the medical school. Patients — and a growing number of doctors — are uneasy about the transfusions. Now, School of Medicine researchers are spreading some good news: With new drugs and techniques, many transfusions may be unnecessary.

Erythropoietin therapy remains rare

Korsmeyer honored for cancer discoveries

Potassium channels will be focus of study

Korsmeyer, M.D., professor of medicine and chief of the Division of Molecular Oncology, has been honored with two major awards for his breakthroughs in cancer research.

Korsmeyer received the 20th annual Bristol-Myers Squibb Award for Distinguished Achievement in Cancer Research on April 23 in New York City. The award includes a cash prize and a silver medallion. Earlier in April, Korsmeyer received the 36th annual Closer Medal of the American Association for Cancer Research (AACR) at its meeting in San Diego. The Eli Lilly Co. established the award in 1964 to honor G.H.A. Clowes, a founding member of the AACR and a research director of Eli Lilly.

Korsmeyer's research has identified several types of potassium channels that fine-tune the electrical activity of the heart. Researchers hope the new understanding of cell death can lead to improved cancer-fighting drugs.

Stanley J. Korsmeyer, who joined the School of Medicine in 1986, is an investigator for the prestigious Howard Hughes Medical Institute, a foundation that funds top researchers across the country. He has published more than 175 scientific papers, and he serves on the board of directors of the nation's supply every year. The supply is about one in 600,000, and the chance of dying by accidentally getting the wrong blood is about one in 100,000. "Those risks are small, but they're not zero," Goodnough said. "It's on all patients' minds when they're scheduled for elective surgery."

Unnecessary transfusions also deplete the nation's blood supply, Monk said. "There have been some predictions that we'll have a major blood shortage in this country by the year 2030," she said. As the baby boomers get older, they'll need more blood. "But there won't be enough younger donors to keep the blood bank open or how long they stay open to release it," Goodnough added. "We really have to look at the various types of channels shape electrical activity and how they are affected by hormones and other chemicals messengers from nerve cells."

"We do believe the college will allow her to explore the molecular basis for these physiological differences."

Korsmeyer is producing cells with custom-made potassium channels. She also is studying the consequences of inactivating particular subunits. For the 20th annual Bristol-Myers Squibb Award for Distinguished Achievement in Cancer Research, Korsmeyer was honored with a cash prize and a silver medallion. She also has determined how the potassium channels open when heart muscle is stimulated, like security gates that open when the right code is punched in. This redistribution of ions creates an electrical current that underlies the muscle's contract, enabling the heart to pump blood.

Korsmeyer has identified several types of potassium channels that fine-tune the electrical activity of the heart.
I n an age when academic medicine is experiencing both rapid change and extraordinary challenges that are threatening its survival — from the emergence of a health-care environment proliferated by managed care to proposed cuts in federal funding of graduate medical education — a medical school's success or failure in meeting its multiple missions of patient care, teaching and research can fall squarely on its leader's shoulders.

William A. Peck, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine, has led a highly competitive health-care environment since 1989. He accepted a position as chief resident and instructor in medicine at Barnes Hospital and a fellowship in metabolism at the medical school. In 1963, he accepted a two-year position as a clinical associate in the metabolic diseases branch of the NIH in Bethesda, Md., where he studied bone disease at the cellular level. He was the first lab to study bone cells extracted from bone tissue, said Peck. But Peck wanted to teach. "I enjoy interactions with students, residents and fellows," said Peck, who was named Clinical Teacher of the Year at the medical school. "It's enough to keep me busy for the foreseeable future," said Peck, who continues to teach periodically.

Rochester School of Medicine and Dentistry in 1960, then completed an internship and residency in internal medicine at Barnes Hospital and a fellowship in metabolism at the medical school. In 1963, he accepted a two-year position as a clinical associate in the metabolic diseases branch of the NIH in Bethesda, Md., where he studied bone disease at the cellular level. "We were the first lab to study bone cells extracted from bone tissue," said Peck.

Peck says he has seen medical school earning greater acclaim by extending the ambience of Forest Park and making the medical school's position in a new, highly competitive health-care environment.

Major changes in the institution's business practices and clinical strategies have been developed to enhance the medical school's position in a new, highly competitive health-care environment.

The highly successful redevelopment plan, initiated in the early 1970s to reverse the deterioration of the Central West End, has advanced and extended to the Forest Park Southeast area. This program is overseen by a partnership that includes the medical school, Barnes-Jewish and Children's hospitals, the Central Institute for the Deaf and the Barnard Free Skin and Cancer Hospital. Peck is president of the partnership.

Teamwork

Peck is the first to admit that these major initiatives are not the work of one person but of a multitalented team. "As dean, you get more credit than you deserve," said Peck. "There's been great change involving so many people who have contributed in meaningful ways. They've been an effective team. Our executive faculty system of governance is the most important contributor to the institution's success."

Collaborators, however, give Peck much of the credit for the medical school's success.

"Bill Peck has been an outstanding leader of medical affairs and dean of the School of Medicine during a time in which the medical school has done fantastically well," said William H. Danforth, M.D., chairman of the Board of Trustees. "Significant changes have been achieved in the hospital scene, research grants are up and search committees for new department heads have culminated in outstanding results. Dr. Peck gets a tremendous amount of credit for these achievements."

David M. Kipnis, M.D., Distinguished University Professor of Medicine and chair of the Department of Medicine from 1972 to 1992, hired Peck as co-chairman of the Department of Internal Medicine and physician-in-chief at Jewish Hospital of St. Louis in 1976. Kipnis was one of Peck's teachers during his internship and residency at Barnes Hospital and fellowship at the medical school. "Bill Peck is very articulate and is able to phrase things in a clear fashion that can be understood by a diverse audience," said Kipnis. "He has a broad spectrum of experience. He also has held managerial positions before arriving at the deanship. These kinds of experiences are vital to medical institutions, which must respond to the needs of so many audiences. Bill Peck also has a lot of common sense."

Peck was exposed to the practice of medicine at an early age. His father, Bernard, a general practitioner in New Britain, Conn., maintained an office adjacent to the father's home. But it was an early, personal experi-

ence with life-saving medical care that cemented his career path.

At the age of 7, Peck's role as medical observer changed to that of patient when he contracted osteomyelitis, an infectious inflammatory disease of the bone. Contracted before the age of antibiotics, the only treatment then for this life-threatening illness was surgery. "I remember the doctors being very patient with me," said Peck, now 63. "They treated me very well, I was fortunate to have had good care because I could have died. The whole experience created a permanent mindset.

After graduating cum laude from Harvard University, Peck earned his medical degree from the University of

"I learned a great deal from Dave Kipnis in the areas of administration, financing and medical excellence," said Peck. "I also was able to continue teaching and research."

"Instant authority"

While Peck's basic research in bone cell biology was well-funded, his interests expanded into the clinical field for which he has become known. He was named Clinical Teacher of the Year at the medical school in 1965 and remained with the school until 1976, advancing to professor of medicine and of biochemistry and head of the endocrine unit.

Then Kipnis called, leading to Peck's appointment as co-chairman of the internal medicine department and physician-in-chief at Jewish Hospital.

"In my view, our executive faculty system of governance is the most important contributor to the institution's success."

"Washington University School of Medicine was a great school before I became dean, and it's still a great school," said Peck. "As long as we can continue to change and adapt to the new health-care environment and emphasize our research and teaching missions in every decision we make, we will become even greater."

"Washington University School of Medicine was a great school before I became dean, and it's still a great school," said Peck. "As long as we can continue to change and adapt to the new health-care environment and emphasize our research and teaching missions in every decision we make, we will become even greater."
Christopher Brummer calls himself a "cultural theorist." He has worked part-time in the John M. Olin School of Law. He has taught at Harvard University, and at Duke University in the fall of 1996, he presented a paper on the "Post-colonial German Literature and Post-colonial Theory -- a chapter of his honors thesis." He also participated in a student conference held at Indiana University in Bloomington. In March, he served as a panelist at the international symposium "The Third World Through European Eyes: Post-colonial Life," held at Washington University. These achievements, which he describes as "awesome and energizing," have led him to his professors, one of whom invited Brummer to teach a tutorial in African-American literature.

By the end of his junior year, Brummer had completed all of his course requirements for the German major. In fall 1996, he presented a paper on the "Connection between Western metaphysics and post-colonial theory -- a chapter of his honors thesis," he said. By the end of his senior year, he had written his thesis, "Identity politics are raging in Europe and in America," posited Brummer, citing the "awesome and energizing." The identity politics are raging in Europe and in America, posited Brummer, citing the "awesome and energizing." The identity politics are raging in Europe and in America, posited Brummer, citing the "awesome and energizing." The identity politics are raging in Europe and in America, posited Brummer, citing the "awesome and energizing."
Gallery of Graduates

Xu’s road to success stretches from now to infinity

All her life, Qian Xu — better known as Cherry — wanted to make a difference in the world. As a child in China, she vowed, “and by semester’s end, her participation helped her team make the most-professional presentations.”

Cherry contributed more and more as the semester progressed,” Kropp said, "and by semester’s end, her participation helped her team make the most-professional presentations.”

For Qian “Cherry” Xu proudly displays her driver’s license.

Square. The government assigned her a job as research assistant at The Center for Health Care Systems Research in Beijing. But she began to realize she learned "and it was fun to prepare authentic Chinese culture to help her parents. "Their skills in living with an American family and getting a sense to me, and there was too much time," Xu said. "My parents and I repaid the government (for her education costs) and, in a way, for China and experience with joint-venture companies should be very helpful.”

From the looks of it, Xu, much to Qian’s pride, is in overdrive and, in so many ways, has already arrived.

School leader Vedder exemplifies that care is the best medicine

For Todd Vedder, Washington University fourth-year medical student, altruism used to be an extracurricular activity, as he became a pediatrics, he trims his career. "It’s not individual acts anymore — it’s all the small things," he said, "the helping children, their families and their communities do to address their needs and the need of various services. Vedder organized a trip to poverty-stricken John’s Island in South Carolina. While pursuing dual degrees in history and psychology, he helped children to participate in a summer camp for the American Cancer Society and Project READ, an Atlanta literacy organization. Vedder, who will talk about leadership and why society needs caring physicians. Although some nurses, physicians and a dietitian, he's a great resource for patients — most of whom are steeped in U.S. culture — so it's very impressive that she holds her own in such settings.”

The conferences also pointed out the most critical issues. They were presented to help physicians still can be at the center of all patient’s care. “It’s not against the changes in health-care that have taken place, but I think that we’re the only person from China on the team, so my knowledge of doing business in China and experience with joint-venture companies should be very helpful.”

From the looks of it, Xu, much to Qian’s pride, is in overdrive and, in so many ways, has already arrived.

Todd Vedder (right) encourages awareness of literacy problems. Here he helps Jimmie Guss with his reading.

Nancy Bellet

one of her clients was Hewlett-Packard Co., China. The president of the firm admired her organizational skills. Soon after, he hired her as executive assistant. Within a year, she became a marketing specialist at the company.

After three years there, she decided to go after her longtime dream — getting an MBA. "It was a busy time," she said, "because I was working 10 to 12 hours a day and studying for my GMAT (Graduate Management Admissions Test). Soon after, she was talking with admissions officers at several top business schools in the United States. Because it made the best offer, Olin came out the winner. "Olin has helped me understand that business education is about much more than plugging numbers into formulas, building models and solving equations or poring over financial statements and applying rules," Xu said. "Here, I've not only acquired skills in project- and time-management, problem-solving, and sound decision-making, but I've learned to work well with people of diverse backgrounds and to value creative spark and big-picture thinking.”

She credits achieving Dean Stuart I. Greenbaum’s division of life sciences, beginning June 2: "I'm joining Monsanto at a very exciting time, the only person from China on the team, so my knowledge of doing business in China and experience with joint-venture companies should be very helpful.”

From the looks of it, Xu, much to Qian’s pride, is in overdrive and, in so many ways, has already arrived.

School leader Vedder exemplifies that care is the best medicine

For Todd Vedder, Washington University fourth-year medical student, altruism used to be an extracurricular activity, as he became a pediatrics, he trims his career. "It’s not individual acts anymore — it’s all the small things," he said, "the helping children, their families and their communities do to address their needs and the need of various services. Vedder organized a trip to poverty-stricken John’s Island in South Carolina. While pursuing dual degrees in history and psychology, he helped children to participate in a summer camp for the American Cancer Society and Project READ, an Atlanta literacy organization. Vedder, who will talk about leadership and why society needs caring physicians. Although some nurses, physicians and a dietitian, he's a great resource for patients — most of whom are steeped in U.S. culture — so it's very impressive that she holds her own in such settings.”

The conferences also pointed out the most critical issues. They were presented to help physicians still can be at the center of all patient’s care. “It’s not against the changes in health-care that have taken place, but I think that we’re the only person from China on the team, so my knowledge of doing business in China and experience with joint-venture companies should be very helpful.”

From the looks of it, Xu, much to Qian’s pride, is in overdrive and, in so many ways, has already arrived.

Todd Vedder (right) encourages awareness of literacy problems. Here he helps Jimmie Guss with his reading.

Nancy Bellet
Fraise's work makes a name for women in history — and for herself

Miranda Lee Fraley's thesis on turn-of-the-century Appalachian women broke new ground.

"Most scholars view industrialization as a great liberalizing force that encouraged women to seek independence," Friedman explains, "but Fraise makes a compelling case that single women in Appalachian experienced industrialization not as encouraging a quest for independence but as a necessary part of their relationship to their families. She sought industrial work because it allowed them to feed their families."
Impact and innovation help put graphic designer Bryant 'over the top'

Graphic designers leave their mark on the world in many ways, and Jonathan Bryant is no exception. Bryant, a second-year student at Washington University in St. Louis, is creating a name for himself in the field of environmental graphic design. His latest project, a graphic design program in the art school called "Visualizing the Community," is making a significant impact on urban revitalization efforts.

Bryant's work focuses on the intersection of graphic design and community development. He believes that design can be a powerful tool for improving communities and helping people feel connected to their surroundings.

"It's not just about making something beautiful," Bryant said. "It's about making something that's functional and meaningful." He cites an example of his work: "I worked on a project for a local community group that was trying to revitalize their neighborhood. We created a series of signs that highlighted the history and culture of the area, and it really helped people feel a sense of ownership and pride.

"Design can be used to tell a story, to create a sense of place, and to engage people in their community. It's not just about aesthetics, but about functionality and purpose." Bryant's work often involves collaboration with community leaders and stakeholders, ensuring that the designs are tailored to the specific needs of the community.

"Community involvement is key," he said. "If we don't involve the people who live and work in the area, we're not creating something that's truly meaningful." This approach has led to some of Bryant's most successful projects, including a graphic design program in the art school called "Visualizing the Community," which is helping to revitalize a neighborhood in St. Louis.

"It's really about creating a sense of place and identity," Bryant said. "If you can make people feel like they belong, you're doing something right." His work has gained recognition and has led to opportunities to work on projects both locally and internationally.

Bryant has even been featured in a recent issue of "Designers of the Year," a publication that recognizes outstanding work in the field of graphic design. He was honored for his "innovation in environmental graphic design," and his work has been featured in several exhibitions and publications.

"I'm really proud of what I've accomplished," Bryant said. "But I'm also aware of the responsibility I have to continue learning and growing as a designer. There's always more to learn, and I'm excited to see what the future holds.

"I want to use my design skills to make a positive impact on the world," he said. "Whether it's through community development or environmental conservation, I want to be a part of the solution." Bryant's work is a testament to the power of design in creating positive change and improving the world around us.

"I'm really proud of what I've accomplished," Bryant said. "But I'm also aware of the responsibility I have to continue learning and growing as a designer. There's always more to learn, and I'm excited to see what the future holds.

"I want to use my design skills to make a positive impact on the world," he said. "Whether it's through community development or environmental conservation, I want to be a part of the solution." Bryant's work is a testament to the power of design in creating positive change and improving the world around us.
I had no recollection of St. Louis when we lived here, and I visited one other time when I was just 8," she said. "Somehow I knew that as I was choosing the school, I never considered that my dad might have worked here." Martha and her parents are extremely proud of her achievement, as it occurs this spring with better than a 3.5 overall average in honors biology.

"Even since my sophomore year of high school, I took great interest in biology, especially in genetic areas related." "I don't tell my friends that I wanted to be a genetic engineer at the John Miner School, but knowing what that meant. When I got here, I didn't know what area of genetics I wanted to pursue; until I took a few courses.

"I had no recollection of St. Louis when we lived here, and I visited one other time when I was just 8," she said. "Somehow I knew that as I was choosing the school, I never considered that my dad might have worked here." Martha and her parents are extremely proud of her achievement, as it occurs this spring with better than a 3.5 overall average in honors biology.

"Even since my sophomore year of high school, I took great interest in biology, especially in genetic areas related." "I don't tell my friends that I wanted to be a genetic engineer at the John Miner School, but knowing what that meant. When I got here, I didn't know what area of genetics I wanted to pursue; until I took a few courses.

"I had no recollection of St. Louis when we lived here, and I visited one other time when I was just 8," she said. "Somehow I knew that as I was choosing the school, I never considered that my dad might have worked here." Martha and her parents are extremely proud of her achievement, as it occurs this spring with better than a 3.5 overall average in honors biology.

"Even since my sophomore year of high school, I took great interest in biology, especially in genetic areas related." "I don't tell my friends that I wanted to be a genetic engineer at the John Miner School, but knowing what that meant. When I got here, I didn't know what area of genetics I wanted to pursue; until I took a few courses.
NIH grant helps train students

Washington University has received a five-year $750,000 grant from the National Institutes of Health to train graduate students in computational genomics.

According to Dr. States, associate professor of biomedical computing and director of the Institute of Bioinformatics and Computational Genomics, the grant is a reflection of the University's strengths in two hot scientific areas: computational genomics and systems biology.

Computational tools have become powerful because of the molecular biology of the organism's ability to encode a sequence of bases in the DNA molecules that make up chromosomes. Washington University, under the leadership of Robert Waterston, PhD, James S. McDonnell Professor of Genetics and head of the Department of Genetics, and David Schlessinger, PhD, professor of molecular biology, has been a world leader in both specialties. The data obtained from these mapping and sequencing projects need to be analyzed to be scientifically useful. Computational tools play an essential role in making sense of the vast amount of data generated by large-scale data acquisition and interpretation.

"We're very happy to get this training grant, which will enable us to educate students with specific interests in an exciting new area of research," said States, who pursued the grant. "Bioinformatics as a field has exploded in the past two years, and we think this grant is well-deserved. It recognizes that we're one of the top three institutions in the country with this kind of expertise. It's good for us to be in the right place at the right time."

Washington University, the University of Washington and Stanford University generally lead the prestigious universities in bioinformatics and computational biology, states Said.

For the research provided by the grant involves the IBC. The IBC is affiliated with the School of Medicine, the School of Engineering and Applied Science. Within the IBC, faculty active in the bioinformatics program include States, Michael Zuker, PhD, associate professor of molecular biology, and Robert Garland, PhD, professor of biochemistry and bioinformatics.

John Hoal leads Forest Park renovation master plan

John Hoal, a 1996 graduate of Washington University who received his Master of Architecture from the University of Michigan, has been named the principal of Forest Park Rehabilitation Corporation — a company responsible for the renovation and development of Forest Park. Hoal is also a member of the Forest Park Rehabilitation Corporation's renovation project management team.

Hoal will lead the Forest Park Rehabilitation Corporation in the renovation of Forest Park, which is considered one of the largest public parks in the United States. The park covers over 1,000 acres and includes various attractions, including a zoo, a water park, and a botanical garden. Hoal's role is to oversee the renovation process and ensure that the park remains a welcoming and enjoyable place for visitors.

The Forest Park Rehabilitation Corporation was formed in 1993 to oversee the renovation of Forest Park. The corporation is responsible for the renovation of various areas within the park, including the water system, the zoo, and the botanical garden. Hoal's appointment as principal of the corporation comes at a time when the park is undergoing a major renovation project, which is expected to last several years.

For more information, please visit the Forest Park Rehabilitation Corporation's website at www.forestparkrehabilitation.org.
Denise Ward-Brown receives Fulbright Award to study in Ghana

Denise Ward-Brown, associate professor of art, has received a Fulbright Scholar Award to study various architectural design patterns in Ghana, Africa. Ward-Brown will begin her nine-month study abroad trip this fall in the West African nation starting in August.

"I'm very excited," said Ward-Brown, noting that she is looking forward to the unique opportunity to experience Ghanaian culture and art. "I've been in the field for many years, and I'm eager to learn more about their techniques for creating rough-hewn, wooden sculptures created at the National Museum. The series of triangular, polychrome, wooden sculptures are beautifully detailed with intricate designs.

"Ward-Brown explained. "When an aunt in my family who is an artist asked me to help her with the work, I decided to take it upon myself."

"What Denise will learn during her study in Ghana will be invaluable to the art world. She will bring this knowledge back to the United States, where she plans to use it to teach and continue her own research."

Fulbright scholarships pay travel expenses and a stipend to about 1,800 graduate students each year to study abroad and share their knowledge with others. Ward-Brown will pursue a doctorate in Japanese literature and area studies at the University of Edinburgh in Scotland. She has been awarded a Fulbright grant for this purpose.

"It is wonderful that Ananda, Christopher and Mieh will be able to continue their studies in Japan," McLeod said. "It is not a surprise. We have excellent faculty and students in both areas."
Monday, May 15—June 14

**Exhibitions**
Bachelor of Fine Arts Undergraduate Thesis Exhibition. Gallery of Fine Arts, upper and lower galleries, Steinberg Hall. Hours: 10 a.m. to 5 p.m. weekdays; 10 a.m. to 4 p.m. Saturdays.

**Lectures**
Thursday, May 15
4 p.m. Cancer Center lecture. "Cellular Signaling and the Phosphorylation." Joseph Schlessinger, the Milton and Helen Diamond Professor, Howard Hughes Medical Institute, Dartmouth Medical School, Hanover, N.H. Third Floor Aud. Special Collections, level five, Olin Library. Hours: 8:30 a.m. to 5 p.m. weekdays. 935-5495.

Friday, May 16
7:30 p.m. Earth and planetary sciences lecture. "Older Than the Universe? — The Pharmacology, New York University Medical Center. Hours: 8:30 a.m. to 5 p.m. weekdays. 631-6446.

**Performances**
Friday, May 30
1 p.m. A collaborative celebration of dance and music to benefit the Katherine Dunham Centers for Arts and Humanities. (Also May 31, same time.) Features performances by the Katherine Dunham Children's Workshop, East St. Louis community and dance groups, and the university dance companies of U of Illinois, Champaign-Urbana; St. Louis University; Washington University; and Webster University. Edison Theatre. Cost: $20 for preferred seating; and $12 and $10 for students and senior citizens. 935-6453.

**Miscellany**
Friday, May 16
10 a.m.-3 p.m. The 23rd annual Internal Medicine Review (continued). The topics are general medicine and dermatology. Speaker: Bruce G. Lipsky, M.D., Kingshighway Blvd. 362-4891.

**Tuesday, May 20**

Saturday, May 31
Benefit walk for the Arthritis Foundation. "Foot Path" is a kick-off event to benefit the new Center for Arthritis and Related Diseases in the School of Medicine. Hosted by the Eastern Missouri Chapter of the Arthritis Foundation. Forest Park. For more info, and to register, call Lorraine Whitely at 362-9075.

**Wednesday, June 10**
Economic botany seminar. "The Ethnobotanical Richness of the Mississippi River Basins: Present and Future." The conference features formal lectures in May and June, with talks and discussions at the Missouri Botanical Garden; and field trips. Conference continues through June 8. For more info and to register, call 935-4659 or e-mail to SEBCONF@wustl.wustl.edu.
Three new members named to the WU Board of Trustees

Three new members named to the WU Board of Trustees

Music and ceremony mark graduation — from page 1

Chen & Palmer, he was instrumental in crafting his country's plan for no-fault compensation for personal injuries, replacing the tort system that was considered costly, ineffective and inequitable. He helped craft New Zealand's no-fault system during his one year of leadership. After selling the company, he became executive vice president with NationsBank and went on to become chief financial officer and vice chairman.

A

will celebrate their 50th reunion — have

Academic Procession

The audience will please remain seated until the recession has left the quadrangle.

The following program begins at 12:15 p.m.:

Chancellor Wrighton & Friends Address

8 a.m. Graduates assemble.

8:30 a.m. Commencement exercises in Brookings Quadrangle. (See the Order of Exercises on this page.)

The following programs begin immediately following the Commencement exercises:

College of Arts and Sciences

Diploma distribution and reception in the Sally E. Strain Courtyard, behind the psychology building. Location: Women's Building Dance Studio.

University College

Diploma distribution and reception in Women's Building Lounge.

Graduate School of Arts and Sciences

Honoring and recognition ceremony in Edison Theatre, reception follows in The Gallery and The Gregoly, lower level, Mallinckrodt Center.

School of Engineering and Applied Science

Diploma distribution in 324 Lopata Hall, reception follows in Lopata Gallery and Lopata Plaza between Jolley and Cupples II halls.

School of Architecture

Diploma ceremony in Graham Chapel, reception follows on the east lawn of Brown Dining Hall.

School of Social Work

Diploma and recognition ceremony in the Sally E. Strain Courtyard, behind the psychology building. Location: Women's Building Dance Studio.

Program in Occupational Therapy

Diploma and reception on Steinberg Hall terrace. Location: Gallery of Art, Steinberg Hall.

George Warren Brown School of Social Work

Diploma ceremony in Graham Chapel, reception follows on the east lawn of Brown Dining Hall. Rain location: Brown Lounge.

Program in Occupational Therapy

Diploma ceremony in Graham Chapel, reception follows on the east lawn of Brown Dining Hall. Rain location: Brown Lounge.