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Shapiro to lead School of Medicine

Succeeds Peck as executive vice chancellor for medical affairs, dean

BY KIMBERLE LETZDING

Larry J. Shapiro, M.D. — an internationally renowned research scientist and pediatrian associated with the University of California, San Francisco, School of Medicine — will become Washington University’s executive vice chancellor for medical affairs and dean of the School of Medicine July 1, according to Chancellor Mark S. Wrighton.

Shapiro will succeed William A. Peck, M.D., who last year announced his intention to retire as dean and executive vice chancellor, effective June 30, 2003. Peck — a worldwide osteoporosis expert and recognized leader in public policy issues related to academic medicine — was the first person to serve as both medical school dean and executive vice chancellor for medical affairs, a dual appointment he has held for 13 years.

Peck will lead an effort to establish a center for health policy at the University, and he will continue as the Alan A. and Edith L. Wolff Distinguished Professor in Medicine.

“I am delighted that a person of Larry Shapiro’s stature and experience will assume the role of executive vice chancellor and dean of one of the world’s leading schools of medicine,” Wrighton said. “He is an accomplished teacher, a groundbreaking scientist and a strong administrative leader. I know he will build upon our strengths in biomedical research and clinical care, and upon the progress made under the leadership of Bill Peck.”

Shapiro’s appointment was endorsed by the Board of Trustees at its Dec. 6 meeting. (See story, Page 2.) The search committee that recommended him was chaired by Richard H. Gillerman, M.D., the Fred C. Reynolds Professor of Orthopaedic Surgery.

Attending a Dec. 6 reception at Harbison House are (from left) William A. Peck, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine; Chancellor Mark S. Wrighton; and Larry J. Shapiro, M.D., who on July 1 will succeed Peck.

Arts center to be named for Sam Fox

Two new buildings, renovations to three foster collaboration

BY LAM OTTER

The University will name a new $56.8 million campus center for the visual arts and design in honor of Sam Fox, one of St. Louis’ most prominent civic and philanthropic leaders and one of the University’s staunchest supporters, Chancellor Mark S. Wrighton announced Dec. 2.

The Sam Fox Arts Center links three academic units — the School of Architecture, the School of Art and the Department of Art History and Archaeology in Arts & Sciences — with the University’s nationally recognized Gallery of Art and Art & Architecture Library.

The center’s facilities will include two new buildings — an art museum and a second building for the School of Art — designed by Pritzker Prize-winning architect Fumihiko Maki. These new buildings will be integrated, also according to Maki’s design, with three renovated structures: Bixby, Givens and Steinberg halls.

This integration will produce new opportunities for research, interdisciplinary study and teaching in visual arts and design. Renovations to Bixby and Givens halls have been completed. Renovation of Steinberg Hall, construction of the new buildings will begin when funding has been secured.

Fox, who has described the University as “the place where the whole world came alive for me,” is the founder, chairman and chief executive of Harbour Group Ltd., a privately owned company specializing in the acquisition and development of manufacturing companies for long-term investment.

A 1951 business graduate of the University, he is an emeritus trustee and chairman of the public phase of the $1.3 billion Campaign for Washington University.

He and his wife, Marilyn, have long been active in numerous business, civic and cultural organizations. They and their family foundation support many causes.

“Sam Fox is among Washington University’s most loyal and dedicated supporters,” Wrighton said, “and we are deeply indebted to him for his longstanding generosity and his many years of devoted service. Sam truly believes there is nothing more important to the future of our nation than educating our young people, and his commitment to the University is inspiring to even the most dedicated of our supporters. He is the very embodiment of the generosity of spirit that has made Washington University the world-class institution it is today.”

It is with great pleasure that we are able to recognize Sam’s special relationship with Washington University by naming this campus center in his honor.”

The 65,000 gross-square-foot Museum Building, viewed here looking southeast, will be the new home of the Gallery of Art, which will be renamed the Museum of Art.

Webcasting could ‘spread like wildfire’

BY TONY FITZPATRICK

Like many fans of the University’s volleyball team, Alan Norman, assistant dean for information technology in the School of Engineering & Applied Science, was disappointed when the Bears hit the road.

“I had to wait — sometimes for days — for any comprehensive story on the team’s success, or lack thereof,” Norman, however, realized he might be able to do something about that.

Last summer, he assembled a webcasting team, called BlueStream, to explore the many ways that streaming video on the Web can enhance learning and networking capabilities at the University.

Beginning with a colloquium series sponsored by the Department of Mechanical Engineering, the team broadcast and taped lectures by David A. Peters, Ph.D., the McDonnell Douglas Professor of Engineering and chair of mechanical engineering, and assistant professors Gray M. Genin, Ph.D., and Michael Swartzwout, Ph.D.

The team archived the lectures in part for the University’s upcoming sesquicentennial celebration. With each event, BlueStream improved its camera and webcasting.

Happy holidays

The Record will not be published again until the beginning of the spring semester. The next issue will be Jan. 17.
Trustees endorse appointment of Shapiro, elect Lembkeimer

At its Dec. 6 meeting, the Board of Trustees elected Neil S. Shapiro, M.D., as the University's executive vice chancellor for medical affairs and dean of the School of Medicine effective July 1.

The announcement was made by Chancellor Mark S. Wrighton. The meeting opened with Wrighton's introduction of Shapiro and unanimous trustee approval of his appointment.

Trustee David C. Farrar, a member of the search committee, moved for the appointment with Wrighton's introduction and a report by the search committee chair, Richard G. Belgerman, M.D., the Fred C. Reynolds Professor of Orthopaedic Surgery and head of that department. (See story, Page 1.)

Shapiro is a partner in the law firm of Bryan Cave LLP, where he has served since 1985. A 1962 graduate of the School of Law, he received a Distinguished Alumni Award in 1994.

Previously, he served as the alumni representative to the Board of Trustees from 1996-98. He also chairs the School's National Council and served as chairman of the Alumni Board of Governors in 1997-98.

Stapleton graduated from Washington University City Public schools in 1955 and then earned an undergraduate degree from Wesleyan University.

Prior to joining Bryan Cave, Shapiro served as an attorney for the Museum of Modern Art, most recently as a partner with Stapleton and Lembekemer.

In his report to the trustees, the chancellor said the University will name its new arts center — now in the planning stage — after Stapleton in recognition of his exceptional commitment, leadership and generosity to the University.

Tor is the chairman and chief executive officer of Harbour Group Private Equity and chairman of the Campus Planning and Development Committee.

At its Dec. 14, University Police and the Department of Parking and Transportation, in partnership with Hartman's Towing, will once again sponsor a free vehicle inspection service to students, faculty and staff.

People traveling by car for the holiday break can bring their vehicle to the parking lot on the west side of University Plaza. Headquarters on the 60th between noon-4 p.m. for a free inspection.

Staff will check tire pressure, fluid levels, wipers, headlights and link five units of the University — the School of Architecture, the School of Art, the Department of Art History and Archaeology in Arts & Sciences, the Gallery of Art and the Art & Architecture Library. (See story, Page 7.)

Wrighton announced that the L.I. and L.J. Mazer Foundation of Tulsa, Okla., has awarded the University a $1 million challenge grant for the Sam Fox Arts Center. The University, in turn, must raise $5.8 million to receive the grant. (See story, Page 7.)

Wrighton shareholders said that four faculty were appointed to newly endowed professorships, that undergraduate applications continue at a high pace with campus visitors setting a new record and prospects qualifications the high.

The chancellor gave an update on facilities construction, with the Aces A, Whitaker Hall for Biomedical Engineering slated for occupancy in mid-December.

Construction is proceeding on schedule for new Earth & Planetary Sciences Building, the 276 N. Skyliner Building and a new residence hall on the 30th. Renovations and expansion of Olin Library are making significant progress, Wrighton said.

The chancellor announced that the volleyball team won the NCAA Division III central regional championship, the NCAA quarterfinals, and would compete for the national championship at the University of Wisconsin-Whitewater. (See story, Page 6.)

Sabella Rota, a senior, has been named the Division III national player of the year.

Wrighton noted that the football team won their second consecutive Missouri Valley Conference Association championship and achieved their 10th consecutive winning season.

The basketball Boys — both men and women — are ranked No. 1 in the nation. Both men's and women's teams won their respective classics — the Lopata and McWilliams tournaments — to both improve to 9-0.

The trustees also heard a presenation, (See Trustees, Page 2.)

Washington University will be celebrating its 150th anniversary in 2003-04.

Special programs and events will be announced as the yearlong observance approaches.
Mouse genome blueprint published

BY DARRELL E. WARD

University researchers, working with a large team of interna- tionally known investigators, have published a draft sequence of the human genome, the genetic blueprint of a mouse — and an analysis comparing the mouse and human genomes.

The achievement is a landmark advance for the Human Genome Project. It is the first time that scientists have com- pared the contents of the human genome with that of another animal.

This milestone is especially sig- nificant because the mouse is the most important animal model in biomedical research. For 10 years, the genome sequence will give us a detailed molecular understanding of the most important experimental animal," said lead scientist Robert H. Waterston, M.D., Ph.D., the James S. McDonnell Professor of Genetics and director of the Genome Sequencing Center. "This is a new understanding of human disease and effec- tive new therapies." John D. McPherson, Ph.D., associate professor of genomics and leader of the University's mouse sequencing team, compared the mouse sequence to the Rosetta Stone. "Although we have the human genome sequence, in hand, we don't have the ability to "read" it," he said. "We will now be able to compare the mouse to human, enabling us to identify important areas of the human genome." The investigators found that the two genomes had fewer dif- ferences than expected. The mouse genome is about 14 per- cent smaller than the human genome, but the number of genes and the types of genes are similar. One might expect to find one group of genes that makes a mam- mal a mammal, another group that makes us human and a third group that makes a mouse, said McPherson. "But that's not the case. We have most genes in common with another species."

The study also found that the mouse genome is specialized in the areas of the small, rapid reflexes and immunity. Comparison of the two genomes further revealed important regions in the human genome because they have been conserved through the 75 million years of evolution that separates humans and mice.

Michael R. Brenn, Ph.D., asso- ciate professor of computer science, led one of the teams analyz- ing the mouse sequence. He has also developed methods for comparing the mouse and human genomes that improved the iden- tification of genes in both species. "The evolution of human genes is generally determined by their location," Brent said. "We've been able to examine the mouse genome, we've developed tech- niques needed to help identify the remaining unknown genes in the human genome," Brent said. "As more mammalian genomes are sequenced, we can use these tech- niques to analyze the data that help complete the catalogue of human genes." The mouse genome sequence shows the order of the DNA chemical bases — often represent- ed by the letters A, T, C and G — along the actual strand of female mouse. The mouse genome was assem- bled by the Mouse Genome Sequencing Consortium, an interna- tional team of scientists at Washington University, the White- head Institute, the Wellcome Trust Sanger Institute and the European Bioinformatics Institute in England. More than 1,000 international scientists from 27 institutions also helped analyze the sequence information.

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Pediatric research patient coordinator Andre Watkins (left) and manager of custodial services Gregg Evans lend support to lead custodian Mary Grady while she donates blood.

Drive. The goal for the blood drive was 20 units. "What really impressed me was that I didn't have to call and remind anyone; they were lining up at 5:30 a.m., ready to give," Evans said. "I am so proud of my crew for the great effort they made to support one of our own doctors." Christine Calligian, the Red Cross donor requirement manager who ran the drive, explained that first-time Charles Drew drives usu- ally draw about 25 people. The School of Medicine drive drew 51 people — 18 of whom were first-time donors. "What really touched me was that a lot of people who never gave blood before — because they were afraid of the needle — came their friends and donated," Calligian said. "We normally see 1.5 percent of the University community in awareness and the publicity of par- ticipants within the community are largely responsible for the low African-American blood supply. Through the Charles Drew com- munity awareness program, Delhou's team aims to increase African-American blood dona- tions in Missouri by 300 percent over the next three years.

The impact of the initial Charles Drew campaign has been stunning. In the early 1990s, African-Americans donated only 1,200 units of blood annually. Now, approximately 9,000 units of African-American blood are col- lected every year in St. Louis.

Holiday blessings Respiratory therapist Donna Peter- sen plays with 3-year-old Kelli Neal alongside the St. Louis Children's Hospital Christmas tree. Kelli visits every six months from Phoenix to see Maile de la Morena, M.D., assis- tant professor of pediatrics, after receiving a lung transplant when she was an infant. Before the transplant surgery, Petersen flew to Arizona to help transport Kelli, who was then on a special ventilator, to St. Louis. "She does great," says her proud dad. "Look at the way she runs around. You'd never guess that she's had a lung transplant. She's a miracle baby."
University Events

Yellow Swallowing — A Dog Named Flint — Why Fly Eye?

By Neil Schoenherr

Students at the University are busy. They have classes, papers, tests, sports, friends and extracurricular activities. But in spite of their often-hectic schedules, many still make time to give back to the community through volunteerism.

Whether it is through Service First, tutoring children for the annual “Best of Missouri Market” event at the Missouri Botanical Garden this semester, participating in prom King and Queen searches for many students.

Thursday, Jan. 19
4 p.m. Science Center Basic Science Seminar Series. Michael Reppert, assoc. prof, of physiology and pharmacology at the University of Missouri-Columbia, 305 Science Bldg., 889-5711.

Monday, Jan. 13
4 p.m. Immunology Research Seminar Series. “Defects in Lymphoid, Myeloid, and Macrophage Lineages Revealed in And more…

Saturday, Dec. 14
9 a.m.-3:30 p.m. interdisciplinary Dinamation. "The Neuro-Ethics of Brain Death." Betty punching, Davi audi, hom., about the Neurology Research Program at WWU’s School of Medicine. McDonell Hall, Rm. 101, audio els at neuroscience@wustl.edu or go online and make a reservation by Dec. 10.

Tuesday, Dec. 16

Monday, Dec. 15
4 p.m. Anatomy and Neurobiology Seminar. "The Neuro-Ethics of Brain Death." Betty punching, Davi audi, hom., about the Neurology Research Program at WWU’s School of Medicine. McDonell Hall, Rm. 101, audio els at neuroscience@wustl.edu or go online and make a reservation by Dec. 10.

Friday, Dec. 13

Thursday, Dec. 12
4 p.m. Immunology Research Seminar Series. "Defects in Lymphoid, Myeloid, and Macrophage Lineages Revealed in And more…

Tuesday, Dec. 10

Monday, Dec. 9
4 p.m. Anatomy and Neurobiology Seminar. "The Neuro-Ethics of Brain Death." Betty punching, Davi audi, hom., about the Neurology Research Program at WWU’s School of Medicine. McDonell Hall, Rm. 101, audio els at neuroscience@wustl.edu or go online and make a reservation by Dec. 10.

Friday, Dec. 6

Thursday, Dec. 5
4 p.m. Immunology Research Seminar Series. "Defects in Lymphoid, Myeloid, and Macrophage Lineages Revealed in And more…

Wednesday, Dec. 4
4 p.m. Immunology Research Seminar Series. "Defects in Lymphoid, Myeloid, and Macrophage Lineages Revealed in And more…

Tuesday, Dec. 3
4 p.m. Immunology Research Seminar Series. "Defects in Lymphoid, Myeloid, and Macrophage Lineages Revealed in And more…

Monday, Dec. 2
4 p.m. Immunology Research Seminar Series. "Defects in Lymphoid, Myeloid, and Macrophage Lineages Revealed in And more…

Sunday, Dec. 1

Saturday, Dec. 7

Friday, Dec. 6

Thursday, Dec. 5

Wednesday, Dec. 4

Tuesday, Dec. 3

Monday, Dec. 2

Sunday, Dec. 1
**Sam Fox Center**

'To become a landmark for the entire region' – From Page 1

The new center for the arts in his hometown, Wrighton continued. "The Sam Fox Arts Center will bring together artists, designers, architects, educators, students and patrons and the public in a world-class facility that promises to become a landmark for the entire region."

To date, more than $39.5 million has been earmarked toward the estimated $56.8 million cost of the center, both through the allocation of University funds and the receipt of outside commitments, including $10 million in gifts and bequests from Fox.

Major commitments also have been made by other — Linda and Harvey Samuelson, the Board of Directors of Florence Steinhagen and Richard Kranzberg.

About Sam Fox's Leadership in the St. Louis community has been extraordinary.

His is currently chairman, and formerly was president, of the Greater St. Louis Arts Alliance. As chair of the county's arts and culture council, he is among the leaders of the arts community. In addition, he is a member of the board of trustees of the Missouri Botanical Garden. He also is a member of the board of trustees of the St. Louis Symphony Orchestra.

As president of the board of commissioners of the St. Louis Art Museum from 1997-2001, he spearheaded recruitment of Director James Demetrion and the development of a 10-year strategic plan. Today, Fox is extending that leadership as a member of the art museum's board of commissioners.

He serves or has served on the boards of many St. Louis institutions and cultural groups, including the St. Louis Art Education Council of Greater St. Louis, Barnes-Jewish Hospital, Civic Progress, The Musy in Forest Park, Opera Theatre of St. Louis, the V.P. Fair Foundation, the St. Louis Science Center and the Saint Louis Zoo.

Sam and Marilyn Fox are life members of the Board of Directors of the Museum of Art, St. Louis. They serve as patrons of the museum and are major contributors to its ongoing programs and special projects. They have been major contributors to the capital campaign to construct the new Sam Fox Arts Center, which will house the permanent and temporary exhibition spaces of the museum and provide new facilities for the School of Art.

The museum will also be one of only a handful of museums in the nation to have a School of Art gallery for faculty and student use and new offices and classrooms for the Department of Art History and Archaeology in Arts & Sciences.

Each of the five units in the Sam Fox Arts Center will benefit from significant increases in programming space as well as the use of shared facilities and amenities such as a planned lunch counter area.

In addition, the new center will also house a School of Art gallery for faculty and student use and new offices and classrooms for the Department of Art History and Archaeology in Arts & Sciences.

**Museum Building**

One feature of Sam Fox Arts Center's Museum Building will be the 13,000-square-foot Kenneth and Nancy Kranzberg Information Center; this artist's rendering shows the center's reading room. Also housed in the Museum Building will be a School of Art gallery for faculty and student use and new offices and classrooms for the Department of Art History and Archaeology in Arts & Sciences.

Sam Fox Arts Center

The Sam Fox Arts Center will serve as a campuswide umbrella organization for the study and promotion of visual culture. The center will allow for greater collaboration among the participating units and the development of new interdisciplinary programs, while also preserving the integrity of the distinct disciplines of architecture, art, and art history and archaeology.

Additionally, the center will bring students and faculty in the School of Art, now studying and working in three separate buildings, together under one roof. The center's former junior high school located one mile from campus — together with two adjacent buildings on the Hilltop Campus — will encompass two new limestone buildings; the Beaux Arts, a new studio complex for Bixby and Givens halls, both homes to the School of Art and Architecture, as well as the classically modernist Steinberg Hall, current home of the School of Architecture + Design in San Francisco.

Museum Building

The museum will house permanent and temporary exhibition spaces — the temporary displays gallery is shown in this rendering — along with state-of-the-art storage facilities will be housed in the Museum Building. The building also will incorporate a gallery for the School of Art for faculty and students. It will feature new offices and classrooms for the Department of Art History and Archaeology and the 13,000-square-foot Kenneth and Nancy Kranzberg Information Center.

Angela Miller, Ph.D., associate professor and coordinator of the Department of Architecture + Design and the Visual Resource Library, said: "The Museum Building will become a central meeting point for faculty and students in different disciplines, both physically and programmatically.

"Already, productive changes have begun taking shape through pilot committees and the inclusion of collaborative work," Miller said. "We look forward to expanding these opportunities for interdisciplinary cooperation."

Shirley B. Baker, vice chancellor for information technology and dean of University Libraries, said: "The Kranzberg Information Center will combine an expanded Art & Architecture Library with the Visual Resource Library, a map room, a slide and digital image bank; and with the Whittaker Learning Lab, a multimedia and tutorial center.

"Books remain incredibly important to the study of the visual arts, but increasingly they're supplemented by rich databases of images and online journals," Baker said. "This new center will radically enhance their accessibility and usefulness to students and faculty from both studio and the library.

School of Art Building

The approximately 38,000 gross-square-foot School of Art Building, also three levels, will be just north of Bixby Hall and will allow programmatic funding provided by the Mabee Foundation in 1948 to support the building of Steinberg Hall, which was dedicated in 1969.

Sam Fox Foundation funds have been used to support the acquisition of new equipment, furniture and materials, and to provide scholarships for students.

The building also will incorporate a gallery for the School of Art for faculty and students. It will feature new offices and classrooms for the Department of Art History and Archaeology and the 13,000-square-foot Kenneth and Nancy Kranzberg Information Center.

"Grouping these services together will radically enhance their accessibility and usefulness to students and faculty from both studio and the library."

Museum Building development aided by Mabee challenge grant

By LIAM OTTEN

The J.E. and I.E. Mabee Foundation has awarded a $1 million challenge grant to support the University to support development of the Museum Building within the Sam Fox Arts Center, according to Chancellor Mark S. Wrighton.

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The $1 million gift is in addition to an additional $5.8 million in outright gifts to the Museum Building by Oct. 9.

"We are thrilled that the Mabee Foundation has pledged such a significant gift to the Museum Building," Wrighton said. "And they have done so in a manner that adds considerable value to the $1 million gift made to the project," Wrighton said. "The Museum Building will be a focal point for activities within the Sam Fox Arts Center. It is going to serve as a diverse, multidisciplinary resource for students and faculty, as well as an architectural destination for the entire University."
Volleyball team holds head high despite final loss

By Chris Mitchell

Even though his team ended the season with a loss, head volleyball coach Rich Luenemann had a season that he will never forget.

Luenemann and the Bears had their national championship hopes dashed when the Bears lost 3-0 to the University of Wisconsin-Whitewater, the host of the NCAA Division III Volleyball Tournament.

"A 4-12 record and a second-place finish at the national championships is a dream come true," Luenemann said.

The Bears, who were seeking a Dickinson III-record eighth national title, began a first-round upset streak with a 31-match win streak and finished with a 16-2 record against nationally ranked teams.

"This team, and the team we put together, is definitely something to be proud of," said senior setter Rebecca Rotello. "I could not have asked for anything more.

Rotello, who was selected for the NCAA Division III All-American Tournament Final Four at the University of Wisconsin-Whitewater. A three-time All-American, Rotello was named Division III Player of the Year for this season.

4,672 assists, good for second place in WASC, 1996 and 1997 in the Division III list.

"Rebecca Rotello is the ideal setter," Luenemann said. "She's athletic, technically strong and controls the court exceptionally well.

"Becca is the best setter I've ever had."

Junior middle blocker Amy Brand and sophomore outside hitter Colin Winter were named second-team All-Americans.

Junior Katie Quinn earned second team All-University Athletic Association honors and first team All-Central Region laurels. Junior Cindy McsPhail was named second team All-UAA. Sophomore libero Emily Weir and freshman Heidi Pfeiffer split time at outside hitter for the Bears, while freshman Holly Haggard saw action at the libero position.

Sophomore Jamont and freshmen Meghan Cok, Megan Houck and Kara Liefer provided contributions as one that a nurse in the hospital rooms around much help.

The team has as many as four cameras to webcast or game or a webcast.

The signal from the cameras or microphones is brought to a video mixer; the signal from the mixer goes into a PC that does encoding. This gives a finished product in real time that is saved in a very high-quality DVD format.

From there, the video stream is sent back to the Engineering Machine Room in Lopata Hall, Room 402, where large media screens broadcast the live viewers anywhere in the world.

To broadcast the game, the webcast group uploads the scalable network backbone that is the responsibility of Jon Welling, assistant vice chancellor for web and library technology.

"If it weren't for the jan and her group do with the back-end," Luenemann said, "we wouldn't be here.

"We're just the brick now where webcasting is becoming useful, and I believe it's going to spread like wildfire all over the campus.

"Norman said he and his group are working with several University groups to webcast teams. Healthburn would also also webcast all the content of WUTV, the University's student-run television channel.

"Because we're webcasting as a great multiplier — a way to leverage the work we're already doing and disseminating it far beyond its immediate audience," Norman said. According to Weller, many initiatives already are in place or being planned for webcasting on campus. For instance, University Webmaster Gail Wright and Matt Arnold, associate director of the Office of Residential Technology, are planning for next year's Commencement and Chancellor Mark W. Wrighton's address.

The Library Reserve Units also publish a guide for the BlueStream Arts & Sciences Libraries in horticulture, and can be found on the Reserve Units in an arrangement with the Teaching Center.

"We have plans for this year's Commencement and discus- sions with the campuses, planning for all exciting and useful applications ahead," Weller said.
Jonathan M. Chase, Ph.D., assistant professor of biology in Arts & Sciences, has received a two-year, $153,403 grant from the National Science Foundation for research titled "How do Communities Assemble? The Influence of Local Conditions and Regional Processes on Community Composition?" Barbara N. Kamler, Ph.D., associate professor of biology in Arts & Sciences, has received a two-year, $75,800 grant from the U.S. Department of Agriculture for research titled "Mechanisms Underlying Virulence Activity of avrPto2." From Pseudomonas Syringae.

Himadri B. Pakrashi, Ph.D., professor of biology in Arts & Sciences, has received a five-year, $783,403 grant from the National Science Foundation for research titled "Localization and Functions of Novel Proteins in Cyanobacterial Photopystems II."

Sean R. Eddy, Ph.D., associate professor of genetics, has received an additional $19,624 grant from the Human Genome Research Institute for an "Institutional Training Grant in Genomic Science."

John C. Scholand, Ph.D., professor of biomechanics and visual sciences, has received a three-year, $459,000 grant from the National Eye Institute for research titled "Intimal Hyperplasia." Barbara N. Kunkel, associate professor of ophthalmology and visual science, has received a five-year, $170,797 grant from the National Institutes of Health for research titled "Mathematical Tools for Imaging in Highly Scattering Media." Linda M. Mundy, M.D., assistant professor of medicine and medical director for the Helen Hayes Spec Care Center, has received a two-year, $150,000 grant from the Missouri Foundation for Health to support the center's drug therapy adherence program for patients diagnosed with AIDS.

David S. Sept, Ph.D., assistant professor of biomedical engineering, has received a five-year, $1.4 million grant from the National Science Foundation for a study titled "Understanding the Protein-Interacting Underlying Actin-Based Cell Motility."

Fazzari wins teaching excellence award

BY GERRY EVERDING

Steven Fazzari, Ph.D., professor and chair of economics in Arts & Sciences, has received the 2002 Governor's Award for Excellence in Teaching from the Coordinating Board for Higher Education, a state policy board that oversees the Missouri Department of Higher Education.

"Steve Fazzari exemplifies the best qualities that we seek in our faculty members — he is a respected scholar, an outstanding teacher and a splendid University citizen," said Edward S. Mason, Ph.D., executive vice chancellor and dean of Arts & Sciences. "He has made important contributions to the field of economics, and his teaching evaluations are consistently excellent.

"In addition to his outstanding teaching in the classroom, he is one of the most sought-after dissertation advisors. His leadership of the Department of Economics has been exemplary, and I expect the department to continue to thrive under his thoughtful and wise leadership. For these reasons, Professor Fazzari is eminently qualified for the prestigious Governor's Award for Excellence in Teaching," Mason said.

A member of the University faculty since 1982, Fazzari became a full professor in 1996 and department chair in 1999. He continues to teach courses in macroeconomics, and his skill in the classroom has earned him teaching awards from the Interfraternity Council, the Council of Students of Arts and Sciences, and the Graduate School of Arts and Sciences.

Fazzari received the governor's award at a statewide higher education planning conference Dec. 4 in Jefferson City, Mo. The awards have been presented annually to outstanding faculty members from each of about 50 public and independent colleges and universities in Missouri. The criteria generally include excellent teaching and advising at the undergraduate level; service to the campus community; commitment to high standards of excellence; success in nurturing student achievement; and impact on academic and personal lives of students.

"Steve Fazzari's teaching brilliantly combines enthusiasm and clarity. He makes economics simple and fun," said Tara M. Sinclair, a former teaching assistant who also took two graduate classes of Fazzari's. "He makes economics accessible, relevant and interesting, and he inspires his students to pursue a love of the subject.

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Fazzari's widely cited research explores the link between macroeconomic activity and finance, particularly the financial determinants of investment spending, and the foundations of Keynesian macroeconomics. Recent publications include articles in a variety of academic journals including the Brookings Papers on Economic Activity, the Review of Economics and Statistics, the Journal of Public Economics, the Journal of Port Keynesian Economics and the Quarterly Journal of Economics.

Fazzari's work on deficit reduction and capital gains tax reform has received recognition in the national media.

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The following incidents were reported to University Police Dec. 4-10. Readers with information that could assist in investigating these incidents are urged to call 314-935-5906. This information is provided as a public service to promote safety awareness and is available on the University Police Web site at police.wustl.edu.

Dec. 4

12:58 p.m. — A nonstudent was arrested in North Hall. The student had an arrest warrant related to climaxing and stealing after it was deter-

mined that she was in possession of items taken from an off-campus residence.

5:21 p.m. — A student reported the theft of his Missouri license validation tags from his car, which was parked on the second level of the Souris Way parking garage. Total loss is estimated at $10.

Dec. 6

12:30 p.m. — Two art students reported that they had lost their supply of arch paper stolen. There were no suspects or witnesses.

In addition, University Police responded to two reports of theft and one auto accident.

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By Kimberly Levine

Irene E. Karl possesses an indomitable spirit and intense curiosity

Irene E. Karl, Ph.D.

The Karls — (from left) Terry, Mike, Irene and Bonnie Staffier — love entertaining and spending time with their extended family.

respiratory rates, shows high blood levels of lactic acid and exhibits altered mental status.

Even though antibiotics are given to treat the infection, the patient’s condition continues to decline, with one vital organ after the next succumbing to sepsis.

For the past 13 years, Karl, a renowned authority in sepsis metabolism, has worked closely with Richard S. Hotchkiss, M.D., professor of anesthesiology, of medicines, of surgery and of molecular biology and pharmacology; studying the development, cause and treatment of bacterial sepsis.

Their findings have the potential to alter traditional thinking about the cause and treatment of sepsis.

Karl has published articles in more than 150 peer-reviewed publications, including the Journal of the American Medical Association.

"The JAMA article was accompanied with an editorial by Roger Bone, the recognized leader in the field of sepsis," Hotchkiss says.

"He reported that Dr. Karl’s work represented a new way to view the problem of sepsis," Karl, now at age 86, continues to come into the lab daily and research sepsis. She still works 10-hour days and feels more productive than she ever has in her life.

And she doesn’t plan on retiring anytime soon.

"I don’t want to retire; that’s how you get old," Karl says. "As long as I’m productive 75 weeks, because that is what I love to do."

Hotchkiss adds, "It is her love and fascination for science that is so unbelievable. She possesses an indomitable spirit and her intense curiosity is truly inspirational.

Irene Karl seamlessly moves between her roles of mother, grandmother, wife, scientist and teacher — and does with a great sense of style.

"She isn’t just a scientist in a white coat; she’s also a mother and a daughter who happens to love to entertain and is incredibly talented with flowers," Terry says.

"I'm known for wearing flowers in my outfits," Karl says as she unfolds a lab blanket, placing it under her rat. "I explain it's not easy to get into medical school here.

"I then told them not to give up, because if they want to be a doctor, there will be a place there."

"She's a brilliant scientist and really enthusiastic about helping students," Dreyer says. "As a young female medical student, it's been encouraging to see how much she has accomplished and what she's had to overcome to get there.

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