The American flag's power to work combines newspaper American patriotic response to the terrorist attacks, Gephart shows some and a reproduction of the World surgeons for the exhibit, "Max Weber in America," explored the roles of the American professor of sociology at the Washington University and Ph.D., the Fulbright Distinguished Visiting Chair for German Studies, hangs one of his three pastel collages that explore the intersection of the social sciences and fine art, and the heroic rescue efforts, my paintings attempt to reinterpret the human condition but in a more specialized sense, as they explore the interaction between the social sciences and fine art. 

Flag's symbolism is honored in artwork depicting Sept. 11

The American flag's power to heal and unite in the wake of the Sept. 11 tragedies manifests in three paintings by Werner Gephart. Ph.D., the Fulbright Distinguished Visiting Chair for German Studies at Washington University and professor of sociology at the University of Bern. Gephart's tribute to American heroism and resilience is part of an exhibit of his work at the School of Law's Institute for Global Legal Studies in Anheuser-Busch Hall through March 31.

By ANN NICHOLSON

Treat the American flag with implanted radioactive "seeds" may yield more side effects than previously thought. Researchers at the School of Medicine found that patients treated with seed implants report worse disruptions in their quality of life for the first year following treatment than those treated with modern external-beam radiation therapy. "Without question, brachytherapy is an effective treatment for eradicating cancer, and I think the long-term complication rate is acceptable," Michalski said. "But brachytherapy doesn't appear to be the definitive, better treatment of the two. Physicians should caution their patients that it may cause more side effects than modern external-beam radiation therapy."

Three-dimensional conformal radiation therapy, an advanced form of external-beam radiation therapy, delivers a beam of radiation to a tumor while preserving as much healthy tissue as possible. It is a daily 10-minute outpatient procedure that requires treatment five days a week for seven-and-a-half weeks, followed by routine quarterly check-ups. Prostate brachytherapy is an invasive outpatient procedure that involves placing tiny radioactive seeds into the prostate.

Cutting-edge facility Roger N. Beachy, Ph.D., professor of biology in Arts & Sciences, speaks with a reporter at dedication ceremonies for the Donald Danforth Plant Science Center in Creve Coeur Nov. 2. Beachy serves as president of the 150,000 square-foot, $75 million research center that includes Washington University, the Missouri Botanical Garden, Monsanto Co., the University of Missouri-Columbia, the University of Illinois and Purdue University among its partners. William H. Danforth, chancellor emeritus and vice chairman of Washington University's Board of Trustees, also serves as chairman of the plant center's board of trustees.

Washington People: William E. Buhlro, Ph.D., progresses the "small" field of nanotechnology

Sophomore Courtney P. Bolton shows some of her recent work to Myrtle E. and Earl E. Walker. Bolton is the first recipient of the Myrtle E. Walker Scholarship Fund, given by the Walkers to the School of Art. A gift from Myrtle E. and Earl E. Walker has created an endowed scholarship fund for the School of Art, according to Chancellor Mark S. Wrighton. The first recipient is Courtney P. Bolton, a sophomore from Wichita, Kan., who is studying graphic design in the School of Art and English literature in Arts & Sciences.

The fund will be established in Myrtle Walker's name, representing her deep interest in and support of the education of young artists. The annual fund will continue in perpetuity, benefiting generations to come. In acknowledging the generous gift from the Walkers, Wrighton said, "Gifts from the Walkers are gifts from the heart. We are very grateful for this important new scholarship fund and for their commitment to creating opportunities for others in need." For Myrtle Walker, this gift is very close to her heart. She graduated from Kirkwood High School in January 1918. At the time, there were few resources devoted to the study of art. Despite these drawbacks, Myrtle was awarded a scholarship to Northwestern University to study art. But the scholarship covered only tuition, and with her family facing hard times, she joined her father's firm drawing blueprints instead of pursuing her dream to become an artist. Myrtle never forgot this missed opportunity, and in January 2001, she and her husband established the Myrtle Agnew Walker Art Grant at Kirkwood High School. Another recent gift funded the renovation and refurbishing of the art facility at Logan High School. This summer, the Walkers provided a generous gift to create the Myrtle E. Walker Scholarship Fund at the University. This scholarship will create the kind of opportunity for brightness, promising young artists that Myrtle unfortunately didn't have," said Jeffrey Pate, dean of the School of Art. "The Walkers' generosity allows us to provide a

Walkers endow scholarship fund for School of Art

Medical News: Faculty report released by medical school outlines enhancements

Inside: Performing Arts Department to present Coward's "Blithe Spirit"
Anthropology's Smith named to Morrow professorship

Richard Jay Smith, Ph.D., chair of the Department of Anthropology, has been named the Ralph E. Morrow Distinguished University Professor in Arts & Sciences, according to Shanti K. Khinduka, Ph.D., executive vice chancellor and dean of Arts & Sciences.

The selection of Smith for the Morrow professorship will be held Dec. 2 in Holmes Lounge, Lindell Hall. “I am delighted that Richard Smith, a distinguished scholar and teacher, has been selected for the Morrow Professorship,” said Khinduka. "He is a visionary and accomplished scholar who is recognized as a leader in several major areas of the discipline. His work has had a significant impact on the field of Anthropology, and he is an excellent choice for this prestigious position."

Smith’s research focuses on the development of social policies and the role of culture in determining social behavior. His work has been published in numerous peer-reviewed journals and has been cited extensively. He has received several awards and honors for his contributions to the field of Anthropology.

Smith was born in Chicago, Illinois, and received his Bachelor’s degree from the University of Chicago in 1973. He received his Master’s degree from the University of California, Berkeley in 1975 and his Ph.D. from the University of California, Los Angeles in 1980.

Smith is a former member of the American Anthropological Association and the Society for the Anthropology of North America. He has served on the editorial board of several journals and has served as a grant reviewer for the National Science Foundation and the National Institutes of Health.

Williams named to Des Lee professorship

James Herbert Williams, Ph.D., assistant dean for academic affairs at the George Warren Brown School of Social Work (GWB), has been named the E. Frances Williams Des Lee professor of Racial and Ethnic Diversity.

The professorship is named for Lee, former chair of Lee, who served in the positions of Des Lee and the important impact he has made to GWB and Washington University. Chancellor Mark S. Wrighton said, "This particular professorship also is noteworthy for enabling us to herald the work of a faculty member who touches the importance of racial and ethnic diversity on our campus and in the community."

Des Lee Kirkendall, Ph.D., was George Warren Brown Distinguished University Professor in Social Work in July. She previously served as the E. Frances Williams Des Lee professor of Racial and Ethnic Diversity. James Herbert Williams is a respected social work leader and researcher.

A member of the GWB faculty since 1989, Williams has been recognized for his work on youth development, social work education, and prevention, and African-American social work history.

Williams has served as a member of theinterdisciplinary leather faculty on Community Development Graduate Council.

Races in Forest Park to benefit Sept. 11 fund

Are you looking for a way to help out Sept. 11 fund-raising efforts and have fun at the same time? The Unite U.S. 2K walk, 5K run/walk and 10K run will be held at 8 a.m. Nov. 18 in Forest Park. The event is sponsored by the Gateway Foundation Inc., which donated to the United Way Sept. 11 Fund. The University’s Campus Y and the Sc. Louis Track Club are sponsoring the event.

Registration begins at 7 a.m. on race day in the upper Muny parking lot. Registration is a $15 minimum donation plus optional t-shirts. T-shirts will be given to the first 300 registrants. Fresh coffee and muffins will be available for the fastest times. For more information, contact Debby Rider, director of Outreach and Community Development Graduate Council.

Recognition ceremony lauds chair-holders

The George Warren Brown School of Social Work (GWB) honored five distinguished faculty members who hold chaired professorships, a title that recognizes senior faculty members who hold chaired professorships at the university. The ceremony was held in Brown Lounge in Brown Hall.

The other distinguished chair-holders are Martha N. Ozawa, Ph.D., the Betty Bofinger Brown Professor of Social Policy, Enola K. Proctor, Ph.D., the George Warren Brown Professor of Social Work Research, and Michael Sherraden, Ph.D., the Benjamin E. Youngdahl Professor of Social Development, and Arlene Robert Proctor, Ph.D., the Bart E. Alleyway Professor of Social Work.

This recognition is a way of appropriately paying tribute to the outstanding work of five of our most distinguished faculty members. Professor Smith is richly interested in the process of paleontology, but this has made to GWB, the University, and the graduate school also is noteworthy for

Dean Shanti K. Khinduka, Ph.D. (center), the George Warren Brown Distinguished University Professor, celebrates with students at the recognition ceremony. See GWB, Page 6

Dean Shanti K. Khinduka, Ph.D. (center), the George Warren Brown Distinguished University Professor, celebrates with students at the recognition ceremony. See GWB, Page 6
Faculty report outlines enhancements

BY ANNE ENRIGHT SHEPHERD

Working together, School of Medicine faculty, members and administra-
tion have initiated several positive changes to further enhance the academic life of faculty. A report issued this week outlines the enhancements. The report reflects recommendations that arose from discussions at a faculty retreat in February 2000 and the steps that have been taken as a result.

The retreat led to a new focus of promotion, annual evaluations and other topics affecting medical school faculty.

"To carry the process further, Dean (William A.) Pecak created the Faculty Retreat Implementation Task Force," said Jeffrey E. Saffitz, M.D., Ph.D., task force chair and the Paul E. Lacy and Ellen Lacy Professor of Pathol-
gy and Immunology and professor of medicine. "In order to make some changes that would improve academic life for faculty, we were charged with turning the recommendations into specific proposals."

The report outlines the task force’s accomplishments in four areas discussed by medical school faculty.

1. First, annual evaluations of faculty members and administra-
tion have initiated several positive changes to further enhance the academic life of faculty. Although annual reviews of faculty members had been in place since 1996, the faculty retreat in February 2000 indicated that compliance was inadequate. Now there is an established monitoring process that involves the associate dean for faculty affairs, the executive vice chancellor for medical affairs and dean of the medical school, the Academic Affairs Committee of the Executive Faculty and the Executive Committee of the Faculty Senate.

2. Second, the task force recommended that a promo-
tion process for faculty should be established on five-year promotions and promotions, and faculty understand the research-track faculty now have been implemented.

3. Third, recognizing that medical school faculty pursue either institutional, clinical or research career tracks, changes to enhance the status of research-track faculty have been implemented. Criteria for appointment and promotion of research-track faculty now are included in the medical school guidelines for full-time faculty appoint-
ments and promotions; and faculty involved in the research track now have voting rights on the Medical School Faculty Council.

4. Fourth, the task force recommended that an endow-
ment be established to support, enhance and maintain teaching activities at the medical school. "Moments that the retreat started is still going," said Gregory A. Storch, M.D., professor of pediatrics, medicine and molecular microbiology, who chairs the faculty council. "The challenge for the current EFCP is to maintain that momentum. We want to continue in this process of examining the role of the faculty in medical school education."

All members of the medical school faculty can receive a copy of the report, which also is available on the Web at medicine.wustl.edu/441.html.

Sluggish heart responses endanger depressed heart attack patients

By Jim DeVries

Investigators at the School of Medicine report heart-rate variability, a measure of the heart's ability to speed up or slow down in response to stress or exertion, may have a potential in predicting higher mortality in depressed heart attack patients. The study, reported in Circulation: Journal of the American Heart Association, principal investigator, Robert M. Carney, Ph.D., professor of medical psychology in psychiatry, said that even after other risk factors such as age, diabetes and smoking were taken into account, depressed heart attack patients had lower heart-rate variability and were significantly more likely than medically comparable patients to have abnormally low variability in heart rate.

"But we found significantly less variability in depressed patients than in individuals who were medically comparable but not depressed," Carney said. "This study followed a subset of participants from the Enhancing Recovery in Coronary Heart Disease study who were admitted to coronary care units between January and June 2000.

Carney studied 307 patients with depression and 737 who were not depressed. All had suffered heart attacks in the two days before enrolling in the study. Upon discharge from the hospital, all the patients were videotape heart monitors for 24 hours to measure changes in heart-rate variability. The tapes from those monitors were used to assess their heart-rate variability.

Normal hearts tend to speed up with increased activity or stress and slow down during relaxation. But people with lower heart-rate variability usually have higher resting heart rates and less fluctuation in response to exertion, stress and other things. Variability allows your heart to adjust to changes in demand." Carney said.

Upon discharge from the hospital, all the patients were videotape heart monitors for 24 hours to measure changes in heart-rate variability. The tapes from those monitors were used to assess their heart-rate variability.

"Heart-rate variability is a good thing — more variability allows your heart to adjust to changes in demand. But we found significantly less variability in depressed patients than in individuals who were medically comparable but not depressed."

Robert M. Carney

"That's the most tangible finding of the study," said Michael E. DeMaso, M.D., professor of medicine. "It's a risk factor for death during the first six to nine months after a heart attack. Only 7 per-
cent of nondepressed patients had readings that low."

International Prostate Symptom Score (IPSS)

Michalski suggests two treatment options

Michelle L. Michalski, M.D., professor of urology, suggests two treatment options. The first is a pharmaco-therapy that has shown success in improving continence. There is a significant improvement in bladder symptoms in 75 to 125 tiny radioactive pellets, or seeds, into the prostate gland and may be responsible for the subsequent urinary problems. It requires either general or spinal anesthesia. Physicians permanently implant 125 I titanium radioactive pellets, or seeds, into the prostate gland, depending on the gland’s size and shape. Patients return for a follow-up exam three months after implantation and then for quarterly check-

up. Seeds made of palladium report rates for six to nine weeks; iodine seeds remain radioactive for six to nine months.

Michalski and his colleagues administered brachytherapy to 182 men and three-dimensional conformal radiation therapy to 87 men. Each participant chose his own type of therapy. The average age of the men was 70.

During follow-up visits over slightly more than two years, patients were asked to fill out several standard questionnaires. Patients who underwent brachytherapy reported significa-
cantly more urinary, sexual and bowel problems than men treated with external-beam radiation. For example, the mean cumulative side effects may disappear within a year.

Second, the urethra, the tube that carries urine from the bladder outside the body, passes through the prostate gland, so therapies may therefore get a higher dose of radiation from brachytherapy than from external-beam radiation therapy. Higher levels of radiation to the urethra may be responsible for the subsequent urinary problems.

But according to Michalski, "most patients choose brachy-
therapy because it is a one-day treatment, while external-beam therapy requires seven- or eight-weeks of daily treatments." Many also prefer brachytherapy based on what they hear from friends or relatives and learn from the Internet.

"When patients are convinced that external-beam therapy involves radiation from the bladder, they may not try to talk them out of it," Michalski said. "But I do explain that they might experience some acute, short-term side effects with brachytherapy that may affect their sense of well-being. I also tell them that side effects may disappear within a year."

Michalski’s next plans to examine whether differences in factors that may impact the distribution, type of isotope and strength of isotopes might influence the occurrence of side effects.
The Performing Arts Department in Arts & Sciences will present "Blithe Spirit," Noel Coward's droll comedy about love and death, in the A.E. Hotchner Studio Theatre Nov. 15-18. From left, Senior Jordan Kritzer plays the medium Madame Arcati; sophomore Robin Kacyrin in the ghostly Elvira; and junior Marc Rosenmutter portrays Elvira's widowed husband, Charles Condomine.

**University Events** (also a part of the activities being held at Washington University [Clayton], Nov. 2-10. See the following extended calendar for the School of Medicine and the Hilltop Campus/Johns Hopkins School of Medicine and the Hilltop Campus)
High school prize-winners to join orchestra for concert

By LAM OTTEN

The Washington University Symphony Orchestra will be joined by two St. Louis area junior and senior high school students who won a concerto competition for a performance at 7:30 p.m. Nov. 11 in Graham Chapel.

The students were winners of the first Young Artist Piano Concerto Competition, sponsored by the Department of Music in Arts & Sciences.

Thomas Moline, a home-schooled high school senior from Town & Country and a student of Seth Carlin, director of the piano program at the University, won the senior division. Choo Choo Hua, a seventh-grade student at Parkway Central and a student of John Varvel, won the junior division.

Dan Progove, instrumental music coordinator in the Department of Music, said the contest was open to high school students from Parkway Central and student of Seth Carlin, director of the piano program at the University.

The contest was free and open to the public.

For more information, call 935-4841.

Snippin’ Givers’ ribbon

Givens Hall, home to the School of Architecture, was formally rededicated Nov. 4 after it and Bixby Hall, home to the School of Art, underwent a recent $13 million renovation project. Cutting a ceremonial ribbon are (left to right) Cynthia Weese, dean of the School of Architecture; Peter MacKeith, assistant dean; Phil Tisdwell, vice president of the Architecture Student Council; Chancellor Mark S. Wrighton; Melissa Farrell, president of the Graduate Architecture Student Council; and alumnus Bob Winters of the St. Louis architectural firm Ottolino Winters Huesner, which designed the renovations. Improvements include new elevators, reorganized student space, major upgrades to building systems, and improvements to the links between the two buildings and Steinberg Hall.

Tuesday, Nov. 20

Music

11 a.m. Molecular Microbiology and Microbial Pathogenesis Seminar Series, "The Structures of Cucumber Mosaic Virus and a Virally Encoded Fungal Toxin That Blocks Calcium Channels." Thomas Smith, investor and principal investigator in Biochemistry and Molecular Biology, Donald Danforth Plant Science Research Bldg. 362-8560.


Wednesday, Nov. 21

10 a.m. STD/HIV course lecture and clinical experience, "Judgment and Practice." Dewey A. Bixby, prof. of psychiatry and pediatrics and of preventive medicine, special session, call 935-6430.

11 a.m. Microbiology, "Anheuser-Busch Hall." Room 001 Clinical Sciences Research Bldg. 286-6666.

Friday, Nov. 16

8 a.m. Performing Arts Dean performance, "Wu Han: "Kronos Caravan," the ensemble's latest recording." Edison Theatre. 935-6543.

On Stage

Thursday, Nov. 15

8 a.m. Performing Arts Dean performance, "Wu Han: "Kronos Caravan," the ensemble's latest recording." Edison Theatre. 935-6543.

Friday, Nov. 16

7 a.m. WU Student Winds concert. Originals and "Triplicate" for String Orchestra, op. 11" by Samuel Barber; "Symphony No. 2 (Romantic)" by Howard Hanson; and "Piano Concerto in minor" by Camille Saint-Saens. Martin will perform the first movement of "Piano Concerto," while Hu will perform the second.
St. Louis.

His current research addresses the overrepresentation of African-American youths in the juvenile justice system, community violence prevention, mental-health services for children, and American children in urban schools and the complexities they face for youth development. Additionally, his research involves an evaluation of the mental health and early childhood screening components of the St. Louis Public Schools’ Safe Schools/Healthy Students Initiative.

Williams earned a bachelor’s degree in sociology from Grambling State University in Grambling, La.; a master’s degree in social work from Smith College in Northampton, Mass.; and a master’s and doctoral administration from the University of Colorado at Boulder, and a doctorate in social work from the University of Washington, Seattle.

Before joining GWU, Williams practiced social work with youth and families in medical settings, public schools, and child-health agencies, and a community mental health center. His research has been widely published in academic journals, and he has assisted numerous state and St. Louis regional programs that address juvenile justice, minority youth issues, mental-health services and neighborhood sustainability. These include the St. Louis Minority Youth Issues Consortium, the Northside Community Justice Advisory Group, Missouri Department of Public Safety, the Missouri Department of Social Services, St. Louis Public Schools, St. Louis Police Department, Division of Youth Services, St. Louis Public Schools, the Missouri Mental Health Board and St. Louis Caring Communities.

Williams also works with the Life Crisis Services Family Violence Prevention Program, with the St. Louis Effects for Kids, Area Resources for Community Organizations, Life Crisis Services, and the Sustainable Neighborhood Initiative.

His artwork between these same time, artistic license permits unbridgeable, for the inner logic to be inspired by my painting to be inspired by my study of sociology theoretical, and in my painting to be inspired by theory.

The Carr Lane Manufacturing Company, which runs from 1997-2007. Additionally, Sherraden has policy with the United States and his artwork between these same time, artistic license permits unbridgeable, for the inner logic to be inspired by my painting to be inspired by theory.?
Introducing new faculty members

The following are among the new faculty members on the Hilltop Campus. Others will be introduced periodically in this space.

Rebecca DeRoo, Ph.D., joins the Department of Art History and Archaeology in Arts & Sciences as assistant professor. She earned a bachelor's degree from Bynar Mase College in 1992 and her doctorate from the University of Chicago in 2000. Her interests are in the Department of History, which will include modern and contemporary art, art theory, art history, and gender studies.

Catherine Kenne, Ph.D., joins the Department of Classics in Arts & Sciences as assistant professor. She earned a bachelor's degree from Wesleyan University in 1992 and her doctorate in 1999 from the University of Pennsylvania, where she received the James Franklin Fellowship from 1993-94. Her research interests are in Roman poetry, especially satire; Greek comedy; literary criticism; and literary history in antiquity, especially theories of genre and the role of the feminine.

Stephen Zatman, Ph.D., joins the Department of Earth & Planetary Sciences in Arts & Sciences as associate professor. He earned a bachelor's degree with honors from Cambridge University in 1993, a master's degree with honors and a doctorate in 1997, both from Harvard University. He conducts research on Earth's magnetic field, using measured variations in the field from observatories and satellites to infer the workings of the dynamo at the center of the planet. He also conducts research on the deformation of the Earth's crust, in particular the slow crumpling or rifting of relatively stable regions in the middle of continents.

Margaret Finders, Ph.D., joins the Department of Education in Arts & Sciences as associate professor and director of the Teacher Education Program. She earned all her degrees from the University of Iowa, including a bachelor's degree in English in 1976, a master's degree in curriculum and teaching in 1990 and a doctorate in curriculum and teaching in 1994. She taught for 13 years in middle schools and acquired extensive experience in teacher education during the seven years she was on the faculty of Purdue University. Her teaching and research interests include the sociopolitical dimensions of early adolescence, and gender equity in the classroom. She is interested in questions related to education as it intersects issues of equity and justice.

Notables

Of note

Vicente G. Davila-Roman, M.D., associate professor of anesthesiology, medicine and radiology at the School of Medicine, is serving as a member of the National Institutes of Health's Diagnostic Radiology Study Section, Center for Scientific Review. Davila-Roman serves on the study section through June 30, 2005. Members are selected on the basis of their demonstrated competence and achievement in scientific research as evidenced by the quality of research accomplishments, publications in scientific journals, and other significant scientific activities, achievements and honors.

Stuart I. Greenbaum, Ph.D., dean and head of the School of Business, has been appointed to the board of advisors of the World Agriculture Forum (WAF), an independent organization created in 1997 to meet the urgent need for open debate and discussion of providing food, fiber and fuel for people around the world. Through research projects conducted by the biennial World Congress, the WAF brings together experts from all over the world responsible for food supply for the world's growing population.

Patricia Collins-Ousby, Ph.D., associate professor of biology in Arts & Sciences and the Division of Bone and Mineral Metabolism in the School of Medicine, has received a four-year, $429,000 grant renewal of her research project titled "Influence of Endothelial Nitric Oxide on Development" from the National Institutes of Diabetes and Digestive and Kidney Diseases (NIDDK) at the National Institute of Health. Previously, this research was funded for a five-year period, also through the NIDDK.

Brian N. Rinck, Ph.D., National Institutes of Health postdoctoral fellow in medicine, received a two-year, $308,660 grant renewal of his research project titled "Depreyated Fat Utilization in Diabetic Cardiomyopathy." The funding agency is the National Heart, Lung, and Blood Institute, the National Institutes of Health.

Yin named board member of St. Jude Medical

F.R.P. Yin, Ph.D., M.D., M.B., Brauer Professor and chair of the Department of Biomedical Engineering and professor of medicine in the School of Medicine, is one of three new medical directors of St. Jude Medical Inc., based in St. Paul, Minn.

Yin is a member of the St. Jude Medical board. Prior to becoming a member of the board, Yin earned a bachelor's degree in mechanical engineering from the University of California at Berkeley in 1978 and a Ph.D. in mechanical engineering from Stanford University in 1982.

Yin has been a professor and chair in the Department of Mechanical Engineering at the University of California, Berkeley, since 1991 and has been a member of the Engineering and Medical Sciences faculties since 1987.

Yin's research interests include the design, development and implementation of medical devices.

To press

Daniel L. Bode, Ph.D., professor of electrical engineering, is a co-editor of Semiconductors and Semimetals, Vol. 72, Silicon, a recent publication of Academic Press.


Making WAV Spiritus Wrecking Co. recently tore down the building at Forest Park Parkway and Walnut Avenue that used to house Takaya's restaurant. In late 2000, the St. Louis Cultural Resources Commission issued a demolition and building permit to the University, granting permission to raze the badly deteriorating structure. The site will soon feature a new University-office and outside-retail structure. Designed by St. Louis architectural firm Johannes/Cohen, the new three-story building will house University administrative offices and will provide community-friendly retail space on the first floor. The exterior will be a masonry façade designed to match the neighborhood's architecture.

Speaking of

Eric Mumford, associate professor in the School of Architecture, recently spoke on mid-20th-century multifamily housing in Chicago as part of the conference "Chicago Is History," organized by the University of Illinois at Chicago Oct. 26 and on IAEU (Congress of International Architectural Societies, Modernist), an avant-garde group of mid-20th century architects, at Wichita State University Oct. 12.

Notable submissions

Send your full name, complete title(s), department(s), phone number, current degree(s), along with a description of your noteworthy activity, to Notables, c/o Jessica N. Roberts, Campus Box 1075, or e-mail Jessica.n.roberts@wustl.edu. For more information, call 935-3293.
Chemistry graduate student Heng Yu (right) and William E. Buhro, Ph.D., professor of chemistry in Arts & Sciences, examine nanowire specimens in an inert-atmosphere glove box, which stores moisture- and oxygen-sensitive chemicals. The glove box allows researchers to prepare samples of reactive reagents and nanomaterials in a continuously scrubbed nitrogen atmosphere.

A leader in a small revolution

by Tom Fitzpatrick

Advances in nanotechnology by William E. Buhro, Ph.D., impact realms from sports to electronics

William E. Buhro, Ph.D.
Born: Lansing, Mich.
Title: Professor of chemistry in Arts & Sciences
Family: Wife, Regina Frey, Ph.D., junior lecturer in chemistry, assistant in Arts & Sciences, and associate director of the Washington University Teaching Center; son, Walter, 11, fifth-grader at The St. Michael School in Clayton
Hobbies: paddling: running: enjoying Buhro's sports and other activities, especially football: singing the church choir with Regina

by William Buhro and Regina Frey

Buhro and his group are married to each other, William Buhro and Regina Frey parents of a fifth-grade son and a leader in a small revolution

Dr. William Buhro, Ph.D., professor of chemistry in Arts & Sciences, advances in nanotechnology

Buhro's prominence in chemistry department

A leader in a small revolution

William Buhro and Regina Frey are married to each other.

Many kinds of nanowires and nanotubes that might ultimately be incorporated into nano-electronic devices. Nanowires and nanotubes are receiving much attention as potential transistors, wires and switches for ultra-small circuits and devices. From such nanomaterials on up to large-scale systems, Buhro thinks they could be used in everything from TV displays to computers to defense systems.

In high school, an outstanding chemistry teacher, Charles H. Harmon, got Buhro interested in a chemistry career. With Harmon's encouragement, Buhro chose Hope College, a Holland, Mich., small, private liberal arts school with a good chemistry program. There he conducted undergraduate research with chemistry professor Michael D. Doyle.

By the time Buhro received his doctorate in 1986, he had spent almost two years as a research associate in inorganic chemistry with Professor Paul W. Chabin, Ph.D., at Indiana University before coming to Washington University in St. Louis.

Frey, who married shortly after Buhro received his doctorate in 1986, grew up in nearby Novi, Mich., and went to Bloomfield Hills, Mich., public schools. Frey has a master's in chemistry. They have a 11-year-old son, Walter, who is an avid sports fan.

“Now, in his 14 years at the University, Buhro has collaborated with many researchers across disciplines, both here and at other universities. The longest collaboration is with Patrick Question, Ph.D., professor of physics, who has helped Buhro refine his method for transmission electron microscopy, data interpretation and analyzing of Buhro's experiments.

In 1987, Buhro and Question collaborated with Richard L. Anbassam, Ph.D., associate professor of physics, and Shankar M.M. Saini, Ph.D., the Catherine M. and Christopher J. Buhro Professor of Engineering, in the early 1980s on making metallic glass. Buhro and Kelton's work, which involved transmission electron microscopy, data interpretation and analyzing of Buhro's experiments.

The couple's son, Walter, an 11-year-old fifth-grader at the St. Michael School in Clayton, is highly regarded for his teaching as well as his research.

At the University, he won the Council of Students of Arts & Sciences Faculty Award for Teaching in 1990 and 1996. He was a National Science Foundation Presidential Young Investigator Award winner (1991–96). And he received the Emerson Electric Co. Excellence in Teaching Award in 1996.

Buhro is very highly regarded for his teaching as well as his research. At the University, he won the Council of Students of Arts & Sciences Faculty Award for Teaching in 1990 and 1996. He was a National Science Foundation Presidential Young Investigator Award winner (1991–96). And he received the Emerson Electric Co. Excellence in Teaching Award in 1996.

Buhro grew up in nearby Portage, and he often accompanied his father, William L., and his grandmother Malcom H. Chisholm, Ph.D., at Indiana University before coming to Washington University in St. Louis.

Frey became a lecturer in chemistry in 1994, and Buhro and Frey have taught Chemistry 111 (General Chemistry I) in the fall semester. That makes for interesting dinner conversations: that their son, Walter, an 11-year-old fifth-grader, must endure, because the couple has to agree on course content, test questions and procedures.

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In 1987, Buhro and Question collaborated with Richard L. Anbassam, Ph.D., associate professor of physics, and Shankar M.M. Saini, Ph.D., the Catherine M. and Christopher J. Buhro Professor of Engineering, in the early 1980s on making metallic glass. Buhro and Kelton's work, which involved transmission electron microscopy, data interpretation and analyzing of Buhro's experiments.

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