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National Aeronautics and Space Administration (NASA) intru- duced a package that may one day study the atmospheres of Mars or Venus will fly aboard adventurer-businessman Steve Fossett's Solo Spirit capsule as he makes his third attempt to be the first person to fly a balloon around the world solo.

NASA's Jet Propulsion Laboratory is carried out by a group from Washington University. It will measure position, temperature, atmospheric pressure, humidity and wind velocity. Washington University, mission control for Fossett's attend to Solo JPL to report scientific payload. Raymond E. Arvidson, Ph.D., professor and chair of earth and planetary sciences at Arts and Sciences, is science coordinator for the payload and for Fossett's mission control in Brookings Hall.

Eventually, a version of the NASA prototype may fly in the atmosphere of Mars or Venus on an aerobot, a robotic balloon. Like Fossett's balloon, the aerobot would vary its altitude to steer through the atmosphere.

This experiment will simulate a planetary mission with an aerobot payload mounted on the balloon. Raymond Arvidson said, “Observations to be made during Solo Spirit's flight offer an outstanding opportunity to educate the public on the characteristics and dynamics of the lower atmosphere.”

Jonathan Cameron, Ph.D., is the payload technical manager at JPL. “NASA's Jet Propulsion Laboratory is actively developing a program to fly balloons in the atmospheres of other planets,” Cameron said. “We are very excited with this opportunity to test this payload in Earth's atmosphere and are looking forward to the data that could be applied to our future missions.”

NASA/JPL will receive raw data from the payload telemetry system through a commercial satellite system. These data will be converted into scientific measurements and relayed to the University where they will be part of the Solo Spirit Web site so the public can follow the flight.

The science payload will gather information from the troposphere, the lowest layer of Earth's atmosphere, during a continuous two-week period as the balloon flies through mid-northern latitudes. The balloon is expected to fly at an average altitude of about 7,000 meters (23,000 feet). A low fuel supply and other problems ended Fossett's earlier global attempt on Jan. 20, 1997. Nonetheless, on that trip, he set a new balloon distance record at 16, 673.81 kilometers (10,360.61 miles).

After Fossett's flight, the University will publish all of the science data on NASA's Planetary Data System Geo-science Node, housed at the University and accessible on the Internet. To follow Fossett's flight, visit www.solo.wustl.edu.

The scientific payload is managed by the Jet Propulsion Laboratory, a division of the California Institute of Technology, under contract from NASA.

Tony Fitzpatrick

New marketing professorship

Amber G. Rao, Ph.D., (center) becomes the first Fossett Distinguished Professor of Marketing in the School of Business Thursday, Dec. 4. Trustee J. Stephen Fossett (left) endowed the chair and took part in the installation with Stuart I. Greenbaum, business school dean. See story on page 5.

Architecture students design Forest Park pavilions for new millennium

T"hrough majestic towers, hovering domes and futuristic geometric structures, graduate architecture students' designs for pavilions commemorate the 1904 World's Fair atop an historic building form for the next century. The 16 students, who each designed a pavilion to mark the 100th anniversary of the fair, began by researching the original site of the fairgrounds in Forest Park, the role of pavilions as cultural icons and the latest building and exhibition technology. Their projects depict pavilions that could be constructed in 2004 at the site where the original 1904 pavilion still stands.

"The hypothetical designs for the 2004 pavilions both focus back on the architec- tural, cultural and global significance of the World's Fair, and herald the new mil- lennium," said Associate Professor of Architecture Paul Donnelly, who taught the design studios. "The project also presents an opportunity to explore new technology as it relates to an architectural environment and to demonstrate the use of state-of-the-art technology in a sustainable manner."

The students' theoretical designs will be formally exhibited in Givens Hall during an all-day review Dec. 19 and displayed next spring on the school's Web site at http://www.arch.wustl.edu.

Graduate student Jeff Dillard's designs call for a new form of building material - cast steel - to create a 40-foot-tall domed pavilion. The strength of the material will allow his dome, made of thin, connecting rings of cast steel, to span 400 feet. The elegant struc- ture follows the curve of a small lake on the site and opens up to the sky.

"The 1904 World's Fair was about rational thought and man's place in nature," he said. "I'm trying to create a more organic approach with elements that interact directly with the site."

The designs of graduate student Robert MacNulty experiment with geometric, sculptural shapes using principles of compression and tension. His structures - which give the impression of looking through a continuous series of box kites, each on a twisted axis - will be used to create a bridge to his pavilion.

"The tentrocity structures have been used experimentally in sculpture but not for buildings," MacNulty said. "I chose to use this form for its spatial capability- nos that will collect unique scientific observations to complement the informa- tion obtained by existing spacecraft and surface vehicles."

For Fossett's flight, the University will publish all of the science data on NASA's Planetary Data System Geo-science Node, housed at the University and accessible on the Internet.

Catholic students plan service trip to Calcutta mission

Mother Teresa is gone, but her mis- sion lives on.

And its call for compassion toward "the poorest of the poor" soon will be carried out by a group from Washington University.

Twelve people from the Catholic Student Center (CSC), chiefly under- graduate students, have volunteered their services to Mother Teresa's Missionaries of Charity in Calcutta, India, from Dec. 20 through Jan. 16, 1998.

Plans for the trip - which follows the CSC's 1995 sojourn to rural Guatemala and a 1996 pilgrimage to East Africa - were cemented in April, five months before the nun's death in September. "Obviously we were excited about the trip," said Kelly Garrity, the CSC's coordinator of service trips. "We were excited about the trip," said Kelly Garrity, the CSC's coordinator of service trips. See story on page 5.

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Medical Update

Ambulatory Care Center will offer new approach to patient care

In patient satisfaction surveys, the care provided by the School of Medicine's clinical faculty overwhelmingly is ranked as excellent. Easy access to that high-quality care, however, is noted as an opportunity for improvement by consumers seeking convenient outpatient services.

That's why creating a patient-focused environment in which ambulatory patients can park conveniently, see their physician and receive state-of-the-art ancillary care services is the cornerstone of the new Ambulatory Care Center (ACC) on the Medical Center campus.

The ACC will consist of a new 14-story building on the corner of Forest Park and Euclid avenues, adjacent to the new Cancer Center. The two centers will share a lobby and parking facilities. The ACC is scheduled to open in late 2000.

"The Ambulatory Care Center is critically important to the delivery of high-quality care that is patient-focused and easily accessible," said James F. Draper, M.D., associate vice chancellor for clinical affairs and chief executive officer of the Faculty Practice Plan (FPP). The FPP was established earlier this year to oversee the medical school's clinical practice.

Draper, who also is a professor of obstetrics and gynecology, added: "We believe the ACC will enhance not only our patient care but also the School's educational and clinical research missions."

Currently, adult patient services are offered in 32 areas of the sprawling Medical Center. Because approximately one-third of patients see more than one health-care provider at a time, bringing ancillary medical services, these sometimes are required to walk several blocks between appointments. Consolidating these services into one location, easily accessed by patients seeking care on a patient-focused fashion, has been the primary driver of the ACC planning process.

The ACC has been organized into multidisciplinary clinical centers, which group together specialties that tend to see the same types of patients. For example, the centers will include specialists in pulmonary medicine, allergy and immunology, thoracic surgery and lung transplantation. Associated ancillary services, such as chest X-ray and pulmonary function testing, will be located in the physician practice area.

Planning the ACC has been a cooperative effort of clinical faculty and nursing staff along with medical school and Barnes-Jewish Hospital administration. The first team, the FPP's Ambulatory Operations Design Team (AODT), worked from November 1996 to February 1997 to design an operations model for the ACC. This 14-member team included 12 active clinical faculty. It developed a model of 16 multidisciplinary, patient-focused clinical centers, such as women's health, musculoskeletal, neurocognitive and gastrointestinal, spine, cardiovascular and lung. Because the clinical centers were designed to be diagnostic-based rather than departmentally based, the ACC also designed an administrative structure for support staff, which defines how the FPP will manage the clinical practices.

The same group of physicians who served on the ACC became the core planning committee, which worked from the time, regularly waking in the middle of the night and evenings, seeing newly created "a truly spectacular facility," said Michael E. Cain, executive director for Clinical Operations. "We provided a superstructure and practice model," said Michael E. Cain, M.D., co-chair of the AODT, chief of the ACC clinical operations committee and the Tobias and Horsent Lewin Professor of Cardiovascular Diseases. "We painted a picture in bold strokes of how the facility would run and how faculty would interact with divisions and departments. A truly national facility who will see patients in the facility are providing key input into the specific design of the clinical centers."

The result of all of this faculty planning, Cain said, will be "a truly revolutionary, novel and efficient building that will allow a multidisciplinary and specialty approach to patient care."

Brenda Murphy, depression study recruiting volunteers

Researchers in the Department of Psychiatry are recruiting volunteers for a study on the biological basis of depression.

They are looking for people 18 or older who are experiencing depression. Volunteers must not be taking any medications.

Symptoms of serious depression include feeling sad or unhappy most of the time, regularly waking in the middle of the night and feeling physically slow or very restless, experiencing difficulty concentrating or interest in most things and losing weight.

The study involves medical tests and procedures, including blood drawing and the evaluation of hormonal systems. Study participants will be paid up to $500 for their participation and also receive a free evaluation from a psychiatrist. Additionally, referrals to treatment will be provided.

The study is directed by Joel A. Posner, M.D. For more information, call 877-0719.

Three are appointed assistant vice chancellors

Ronald J. Chad, M.D., Jeffrey A. Lowell, M.D., and Joan M. Podleski have been appointed assistant vice chancellors for clinical affairs at the School of Medicine. The appointments were announced by Mark S. Wrighton, chancellor.

As assistant vice chancellor, Chad will enhance the School of Medicine's clinical practice by helping develop a number of programs. These will include outreach opportunities for faculty physicians and partners between faculty and community providers.

Chad also serves as director of Network Development for the Washington University Physician Network and as executive director of Practice Plan Development for the Faculty Practice Plan.

Chad, an assistant professor of obstetrics and gynecology, previously served as assistant dean for clinical affairs and vice president of clinical affairs at BJC Health System. He earned his medical degree in 1983 from the University of Texas Southwestern Medical School in Dallas. He completed his residency in obstetrics and gynecology at Jewish Hospital in 1987. He then maintained a private practice in St. Louis until he joined the faculty in 1995.

Lowell, an assistant professor of surgery and of pediatrics, also serves as executive director of Medical Services for the Faculty Practice Plan. As assistant vice chancellor for clinical affairs, Lowell is responsible for optimizing clinical outcomes, maximizing the efficiency of patient care delivery systems to document their performance and monitor clinical outcomes. He will work closely with Barnes-Jewish Hospital and BJC Health System.

Lowell graduated from Yale University School of Medicine in 1985. He joined the medical school's faculty in 1994 following a fellowship in adult and pediatric transplantation at the University of Nebraska Medical Center. He continues his work in transplantation as director of the integrative transplant program at Barnes-Jewish and St. Louis Children's hospitals.

As assistant vice chancellor for clinical affairs, Podleski will continue to be involved in analyzing and planning the reorganization of clinical services and the creation of an integrated professional practice plan. Among her main priorities will be developing business processes and guidelines, timelines and practice models and publishing the hospital's clinical operations and coordinating clinical operations with the ACC planning committee. Podleski is also executive director for Clinical Operations for the Faculty Practice Plan.

Podleski, formerly was a business manager in neurological surgery. She received a bachelor's degree in history, political science and paralegal studies from Webster University in 1991.
Bender mixes humor with math and physics

Thanks to a group of sharp-minded, hardworking students, Carl M. Bender, Ph.D., has purged many mistakes from his book-in-progress. "I'm handing it out chapter by chapter as I write it," said Bender, professor of physics in Arts and Sciences. "It makes the course really interesting, the book better and the students eligible for rewards. Last night I received an e-mail from someone who is getting two extra points for finding an error" that he had "not even changed in the 1960s." Partial Differential Equations for Scientists and Engineers," advanced mathematics to aspiring physicists, engineers, and mathematicians, is the "perurbation" theory involved an organized mathematical set of procedures for solving very difficult problems that bear similarity to solvable ones," Bender explained. "For example, one problem we can solve is the shape of Earth's orbit as the planet moves around the sun, but only if there are no other planets. The pull of gravity from the other planets distorts the calculations. These problems are now solved approximately but never exactly." Bender's first book, "Advanced Mathematical Method for Scientists and Engineers" (1978, McGraw-Hill), co-authored with Princeton Professor S.A. Orszag, has become the classic work on perturbation theory and is used by universities stretching from Harvard to California Institute of Technology. Bender credits his wife, Jessica, a "highly talented editor," with contributing to the book's success. "I grew up quantitative," Bender said, moving along a linear path as generating the problems," he said. Bender's work has generated a great deal more. "Carl is one of our leading lights in the department," said Clifford M. Will, Ph.D., professor and chair of physics. "He has earned many distinctions, among them a Putnam coach for 20 years, Bender and mathematic- ics Professor Richard Rochberg, Ph.D., helped place the University among the top three schools of the 400 U.S. and Canadian institutions participating in the prestigious Putnam exam for undergraduates. In the past two decades, the University has placed first and second four times each. And the find. A Putnam coach for 20 years, Bender and mathemat- ics Professor Richard Rochberg, Ph.D., helped place the department among the top three schools of the 400 U.S. and Canadian institutions participating in the prestigious Putnam exam for undergraduates. In the past two decades, the University has placed first and second four times each. An office annotated with cartoons and creative signage. A piece of paper taped to one wall reads "dry point." The levity lightens the highly complex, head-spinning equations and computations arising from modern physics. "This is a funny stuff," said Bender. "I kind of the task of writing down a single moment where I realize it is intensely difficult." A theoretical and practical physicist, Bender works primarily in quan- tum mechanics, the physics of subatomic, submolecular, atomic, or ionic particles, and in particle physics and quantum field theory. Quantum mechanics underlies nearly all modern science and technology; it governs the essential com- ponents of computer and TV's and serves as a basis for chemistry. Perturbation theory, he explained. "The phenomenological theoretical talks to scientists who design the experiments. The theoretical theoretician stands back from the theory to think about how to develop and formulate it." Bender serves in the latter capacity, exploring the boundary between physics and his passion, mathematics. "It's like an art form as a way of generating the problems," he said. Bender's work has generated a great deal more. "Carl is one of our leading lights in the department," said Clifford M. 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Calendar

Exhibitions


Lectures

Friday, Dec. 12

Friday, Dec. 19

Monday, Dec. 15


Tuesday, Dec. 16

Wednesday, Dec. 17

8:30 a.m. WU Association Travel Lecture Series. "Finland — Star of Scandinavia" by Jim Cole. Cost: $45. Graham Chapel. 935-5212.

Monday, Jan. 5

Monday, Jan. 12

Annual ‘Messiah’ sing-along set for Dec. 14

Vocals of all stripes are invited to participate in the Department of Music in Arts and Sciences’ traditional sing-along of Handel’s oratorio "Messiah." The concert takes place at 3 p.m. Sunday, Dec. 14, in Graham Chapel and is directed by John Stewart, director of vocal activities. Admission is free to the general public and free for University students. Stewart said that the performance, which lasts about two hours, will include the Christmas portion of "Messiah" as well as the "Hallelujah Chorus." Singers who wish to do so may sit in special sections arranged according to vocal part (soprano, alto, tenor, baritone), and copies of the music will be available for those who do not bring their own scores. The music will be projected to aid the audience in singing.

The sold portions of the oratorio will be sung by Lori Barrett, master’s candidate in vocal performance, sophomore Jennifer Taylor, instruc- tor in voice, alto, and Paul Bloch, tenor, and sophomore Mark Kent, bass, about whom Mr. Oelke commented, "Our audience is invited for wassail and classical caroling at the Student Center, 6352 Forsby Blvd. For more information, call 935-4841.

In new gig, undergrad musicans professional experience

If performance is the heart of music, then students in the Washington University Jazz Combo are getting a sound introduction to the syncopated rhythms of jazz’s cardiovascular system. Designed to let students earn academic credit while gaining the “gigging” experiences of a professional group, the Jazz Combo is one of several student-motivated initiatives in the Department of Music in Arts and Sciences designed to nudge jazz’s profile on campus. In addition to long-standing projects like the Jazz Band and the Vocal Jazz Ensemble, next semester the department will add a jazz minor to its curriculum, and with it a new music prof, of jazz, who’d organized into a class, we started calling around looking for gigs," he said. "We did volunteer work and sent cards and demo tapes to restaurants, art galler- ies and country clubs, just trying to get some momentum going. And once people started seeing us perform, it became a word-of-mouth thing." In mid-November, the combo staged a week-long gig for the student department, which was followed by a jazz and blues based gig for St. Louis Mayor Clarence Harmon and the St. Louis-based educational organization OASIS’s 15th anniversary celebration, where the combo appeared with Broad- way actress Carol Channing.

Looker concurs that legwork and perseverance played a role in finding bookings. "Last semester, even before we’re organized into a class, we started calling around looking for gigs," he said. "We didn’t volunteer work and sent cards and demo tapes to restaurants, art galler- ies and country clubs, just trying to get some momentum going. And once people started seeing us perform, it became a word-of-mouth thing." In mid-November, the combo staged a week-long gig for the student department, which was followed by a jazz and blues based gig for St. Louis Mayor Clarence Harmon and the St. Louis-based educational organization OASIS’s 15th anniversary celebration, where the combo appeared with Broad- way actress Carol Channing.

Catholic students plan mission trip — from page 1

powerful to work with her. So there is a sense of disappointment and loss. But in the time since she died, all the documen- taries and stories have renewed our reflection and given us a lot more focus on her motivations. ‘I sure her spirit will be alive there.’

The change, simply, is to help the helpless. In Calcutta, the Missionaries of Charity operate several different homes — for children, for the dying, for lepers — each tendering unconditional love and comfort. At the Home for the Lepers — each tendering unconditional love and comfort. In Calcutta, the Missionaries of Charity operate several different homes — for children, for the dying, for lepers — each tendering unconditional love and comfort. At the Home for the Lepers — each tendering unconditional love and comfort. At the Home for the Lepers — each tendering unconditional love and comfort. At the Home for the Lepers — each tendering unconditional love and comfort. At the Home for the Lepers — each tendering unconditional love and comfort. At the Home for the Lepers — each tendering unconditional love and comfort. At the Home for the Lepers — each tendering unconditional love and comfort. At the Home for the Lepers — each tendering unconditional love and comfort. 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Ambar Rao holds an assistant professorship at Olin Business School, added: “We deeply appreciate this important show of support from Steve Fossett, which helps attract and retain world-class faculty at the John M. Olin School of Business.”

Rao endorsed professorships at the University of Toronto and the University of Arizona before joining the business school faculty this year. He is teaching marketing analysis and marketing policy and pursuing research into such areas, as well as in product strategy. Rao, author of three books and marketing consultant for several Fortune 500 firms, received a bachelor of technology degree from the Indian Institute of Technology and a master of science degree from Case Western Reserve University. His doctoral degree is from the University of Pennsylvania.

“I have many ties with Washington University,” said Fossett, chairman of Lakota Tradewinds, a member of the New York Stock Exchange, and the first Fossett Distinguished Professor of Business Administration at the Olin Business School.

Fossett is preparing to launch his third attempt to be the first to circumnavigate the globe in a balloon. He plans to lift off from St. Louis’ Busch Stadium sometime between mid-December and mid-January, depending on weather conditions. The University’s Brookings Hall will be mission control for the venture.

When Judd Bowman turned 13, his parents presented him with an unusual birthday present: a balloon ride over the rolling Iowa countryside near Ames.

“It was the Iowa State University balloon, and we took off from the football stadium,” recalled Bowman, now a senior physics/electrical engineering major. “It felt pretty special to see the town, our home and the farm fields. The realization hit me very quickly that there’s nothing but space between the little basket and the ground. My dad was with me, and we stayed up for about two hours. I remember when it was over, my head itched from all that heat from the burner.”

Little did he guess that he would play a role eight years later in Steve Fossett’s quest to become the first person to fly around the world in a balloon. Bowman is one of about 15 Washington University undergraduate students who have assignments either in mission control in Breckenridge, Colo. or in the Planetary Data System Geosciences Node on the fourth floor of McDonnell Hall. Graduate students will swell the student total to about 20. Students will volunteer their time to work in mission control, tracking the flight on an enormous map of the world and helping get information to the media.

“The mission is an excellent opportunity for students to get involved in a scientific project, as well as in an opportunity to reach the public,” said Raymond E. Arvidson, Ph.D. professor and chair of earth and planetary sciences in Arts and Sciences. Arvidson is science coordinator for both mission control and the payload that Fossett will fly for the National Aeronautics and Space Administration’s Jet Propulsion Laboratory (NASA/JPL). “See story on page 13”

“This is also a rare chance for students to experience the kind of excitement a scientific mission can generate among the public and the media,” he added.

Most science doesn’t draw much attention. But when students can feel they have a part in something globally significant, they’ll know they’re doing something of teamwork and diligence. Often, you can’t get that strictly through classroom study.”

Attached to the exterior of Fossett’s balloon capsule will be a science payload and telemetry system that will provide continual measurements of position, temperature, atmospheric pressure, humidity and vertical wind velocity.

NASA/JPL will receive raw data from the telemetry system through a commercial satellite. The data will be converted into scientific measurements at JPL and sent to the University where they will be posted on the mission Web page for all the world to see.

This is where Bowman, environment studies senior Katie Berwin and earth and planetary sciences graduate student Curt Niebur come into the picture. The students work with Arvidson and his veteran team of support researchers in earth and planetary sciences: Edward Guinan, senior research scientist; Susan Slavney, systems programmer analyst; and Thomas Stein, computer systems programmer analyst. Niebur is supervisor of student help. Bowman works on Web site data from NASA/JPL, and Berwin is making maps and coordinating data for the Web site.

Bowman is working with Slavney to automate hourly updates of the Web page data, eliminating the need to input page data, eliminating the need to input

Men's basketball team has moved to within one victory of its best start in school history, improving to 9-6 after winning the North Central Tournament in Naperville, Ill. Sophomore Alia Fischer netted MVP honors after the 78-52 finals victory. Seniors Amy Schweizer and Angie Kohlen also were named to the all-tourney team.

Current Record: 8-0 (6-0 UAA)

This Week: 5:30 p.m. Saturday, December 13, at University of Missouri-St. Louis.

Swimming and diving strong at DePauw

The women’s swimming squad finished first of seven teams remaining unblemished on the season, while the men placed third of eight teams at the DePauw University Invitational. Senior Anne Schlueter broke the school record in the 100 backstroke (1:02.32).

Current Record: women (5-0, men (4-2)

From left, undergraduates Katie Berwin and Judd Bowman and graduate student Curt Niebur pore over maps for the Solo Spirit round-the-world balloon flight.

Students are key players in Solo Spirit mission

For Arvidson and JPL last year when Arvidson was working on a robotic rover in the Mojave Desert. The robot, called Rocky 7, was used as a test for rovers on the Martian surface.

“The program worked like a charm for the desert test, and throughout November, we worked on creating a new software code to handle the data we’ll get from JPL,” Bowman said. “We’ve run tests since Thanksgiving week with JPL, and things look good. They have to be good because the Web site might receive as much as one million hits a day.”

Berwin is generating world maps for the Web site. She will be able to overlay Fossett’s position on a global map that will also have information about the demographics, vegetation and natural resources of every region he passes over. The information comes from software packages called ArcWorld and ArcView, which are pre-packaged, full-globe data sets.

“The hardest part has been learning the software and seeing how we can incorporate it into our personal processes,” said Berwin. “It’s been a time-consuming task. We’ve been working on it since October, but it’s exciting to have a role in the mission.”

“We’re not sure yet if we will have students who will be at mission control around the clock,” said Niebur. “If we do, we may have to arm wrestle to see who gets the midnight-to-six shift.”

Bowman plans on graduate school in earth and planetary sciences, possibly at Cornell University. Niebur, who holds a bachelor’s degree in aerospace engineering from Georgia Institute of Technology, has three more years in his doctorate program here. And Berwin wants to explore job possibilities in the environmental sciences field after graduation. All three are excited about the upcoming mission.

“My family is excited, although I’m not sure if they know exactly what’s involved with my part,” said Berwin, who is from St. Paul, Minn., and served this fall as a teaching assistant in Arvidson’s Land Dynamics and the Environment, made possible by a Hewlett Foundation grant.

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Graduate architecture student Rohn McNulty explains how his pavilion design fits into the larger Forest Park context.

Designing Forest Park pavilions for the new millennium — from page 1

The intent of the writing component was to assist students in externalizing their ideas through writing — to use writing as a design tool, said Iain Fraser, professor of architecture. At the undergraduate level, the ability to express oneself effec-

"The intent of the writing component was to assist students in externalizing their ideas through writing — to use writing as a design tool," said Iain Fraser, professor of architecture. At the undergraduate level, the ability to express oneself effectively through writing and speech, said Stephen Kliment, who taught the junior-year studio. "It was a way of giving students a basis of envisioning and imagining through a medium with which they are already fairly adept and helping them develop the capacity to prepare their thoughts and make them articulate when presenting their work to reviewers or future clients.

Kliment’s assignments included a 1,000-word article suitable for publication in a leading architectural magazine and an impromptu, three-minute presentation based on impressions of buildings the 35 students had viewed and then written about.

Kliment’s writing tips ranged from creating a short headline that crystallizes the premise to lopping off the typically cumbersome first paragraph to get to a lead with some punch to avoiding jargon and using "simple, clear diction" to concisely wording sections to equip descriptions with a sense of immediacy. He also offered insights about condensing ideas into statements that are full of expression, detail and meaning and enriching a piece through means of analyses and assessments.

"The premise of the whole class was to teach people who deal with visual work how verbally to describe that work and how to articulate their thoughts," said graduate student Leona Kettler, whose essay focused on a little-known Frank Lloyd Wright house near Buffalo, N.Y. "It’s actually an ugly house, but there is an effort under way to restore it," she said. "I wanted to write something that would generate interest, so people would feel strongly about the need to preserve it. He [Kliment] helped me focus on why I was writing the piece and how to express what was different about the house’s designs that made it worth restoring."

Japanese graduate student Hisanori Mitsu said he found the class intriguing since English is not his first language, and discovered that many of the suggestions were applicable regardless of the language used. For example, one exercise, which involved students sharing their emotional reactions to buildings in a slide presenta-

"I tried to keep that in mind when I was describing the Church-on-the-Water in Japan that I visited this summer," he said. "I wrote about it as if the person had never been there and described the building in impressions, as if the person were moving through it. It made it a lot easier to describe and evaluate the building."

—Ann Nicholson

Stephen Kliment

The following incidents were reported to the University Police Department from Dec. 1-7.

8:53 p.m. — A student reported the theft of a cellular telephone valued at $300 from the multipurpose room in Wydown Residence Hall.

11:15 p.m. — A student reported the theft of a laptop computer valued at $2,000 from a multipurpose room in Wydown Residence Hall.

11:32 p.m. — A student reported the theft of a laptop computer valued at $1,000 from a locked site in Myers Residence Hall.

11:35 p.m. — A student reported the theft of a wallet containing keys, personal identification and a debit card. Charges were subse-

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Dec. 1

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11:35 p.m. — A student reported the theft of a wallet containing keys, personal identification and a debit card. Charges were subse-

Dec. 2

8:53 p.m. — A student reported the theft of a cellular telephone valued at $300 from the multipurpose room in Wydown Residence Hall.

Dec. 3

1:30 p.m. — University Police arrested a non-

subject in a parked car on the south side of South Brookings Hall. The subject had been warned against returning to the campus. The case was turned over to the St. Louis County Department of Justice Services.

3:15 p.m. — A transportation employee expressed worry about the safety of a vehicle the employee had ticketed on the tennis court parking lot pursuant to the employee’s request in an attempt to have the employee dismissed from the work force. An investigation continues.

Automated coalition formation

Tuomas W. Sandholm

helps promise of highly diverse party settings, including:

Matticht routers, college registrars and contractors struggling to coordinate dodgy databases, subcontractors on major con-

Tuxas Sandholm, Ph.D., assistant professor of computer science, has received a $456,000 CAREER grant from the National Science Founda-

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The full title of the NSF program granting the award is Faculty Early Career Development Program. This highly selective program is intended to help outstanding new faculty establish research programs.

Sandholm's research will help harness the efficiency of companies and indi-

viewing projects are just a few of the potential benefits of innovative Washington University research in com-

Computer coalitions may make life simpler

Tuxas Sandholm, Ph.D., assistant professor of computer science, has received a CAREER grant from the National Science Foundation (NSF) to support research in computation and coalition formation.

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Introducing new faculty members

For The Record

For The Record contains news about a wide variety of faculty, staff and student scholarly and professional activities.

Note

Benjamin Littkenburg, M.D., associate professor of medicine, and Jane Garbutt, M.D., associate professor of obstetrics and gynecology, received one of five 1997 ACCORD grants for Hoehst Marion Rouselle at the recent Society for Medical Decision Making awards banquet in Kansas City, Mo. The grant will fund a study titled "A Comparison of Antibiotics for the Treatment of Acute Sinusitis in Children." Sponsored by the U.S. Department of Health Outcomes Research Division, ACCORD grants fund health outcomes research projects that focus on cardiovascular diseases, neurosciences, oncology, respiratory diseases, endocrinology, rheumatology and infectious diseases.

Denis P. Morgan, statistical data analyst in the division of biostatistics, was awarded an "Outstanding Speaker" award at the annual meeting of the Midwest SAS Users Group in September. This group shares ideas on using Statistical Analysis System software to organize and analyze research data. Morgan's presentation was titled, "A Basic Guide for SAS." He has also been named co-chair of the 1998 MidWest SAS Users Group.

Assignment

Lee Epstein, Ph.D., professor and chair of political science in Arts and Sciences, and John D. Sprague, Ph.D., professor of political science, will serve as co-chairs of the panel chairs at the 93rd annual meeting of the American Political Science Association held in Wash-

Congratulations, D.C. Epstein chaired a panel on "The Law and Courts Lifetime Achievement Award" while Sprague chaired "Meet the Author: Gary King's 'A Solution to the Ecological Inference Problem: Reconstructing Individual Behavior from Aggregate Data.'"

Max J. Okenfuss, Ph.D., associate professor of history in Arts and Sciences, was awarded a $25,000 grant for his research on the history of medicine between Montezuma and Catherine II of Russia and delivered a paper titled "Catherine, Montezuma, or the "State" in 1997 National Convention of the American Association for the Advancement of Slavic Studies held in Seattle.

Csernansky named associate dean in the College of Arts and Sciences

Cynthia Csernansky has been named associate dean and chief health professions advisor in the College of Arts and Sciences, effective Oct. 20, 1997, according to James E. McLeod, vice chancellor for students and dean of the College of Arts and Sciences.

Cersanisky, who had been the University's associate director of corporate and foundation relations for academic development, said she will develop a new program to connect undergraduates collegiately with research opportunities, both academic and community-based, designed to enrich their University experience.

A new Web site for students interested in the health professions is currently under construction. Also planned is a fall seminar series exploring career paths for pre-health professional students. "Research opportunities are common for students in the sciences," Csernansky said, "but not for students majoring in economics, English or art. We will try to connect students with a professor who is writing a book or working on a research project. The students will gain experience to help them decide what to do with their majors.

Cynthia Csernansky

Cynthis Csernansky previously served as a professor of orthopaedic surgery at the School of Medicine and Barnes West Hospital, previously served as a professor of orthopaedics at the 93rd annual meeting of the American Association for the Advancement of Slavic Studies held in Seattle.

U.S. House of Representatives bill needed to clarify landowner compensation rights

Daniel R. Mandelker, U.S. Rep., D.D., the Howard A. Stamper Professor of Law, recently testified before the Subcommittee on Intellectual Property of the House Committee on the Judiciary.

Daniel R. Mandelker

"Wally worked with the founders of the organization 30 years ago to make it a reality," said his successor Phyllis Buford Taylor, said. "I am still in shock and always will be." Wally worked with the founders of the organization 30 years ago to make it a reality, said his successor Phyllis Buford Taylor. "I am still in shock and always will be.

Obituaries

Wallace L. Jones, head of the Consortium

Wallace L. Jones, Ph.D., recently retired head of the Consortium for Graduate Study in Management, died of a heart attack Dec. 2, 1997, at his home in Chillicothe, Ohio. Jones was a professor in the Department of Neurology from 1962 to 1988, and was a research associate in the Department of Neurology from 1995-96. She has co-authored more than 300 articles on cartilage and bone development.

Car accident claims lives of two research assistants

H our after enjoying a uniquely American Thanksgiving dinner at a friend's home, Russian citizens Nikolai Chitavi, Ph.D., and Aleksandr Averbakh, Ph.D., both research assistants in the Department of Dermatology, died in a one-car accident. Chitavi, 34, died Nov. 28, 1997, after his 1987 Jaguar slid on wet pavement and struck a tree in the 5200 block of Forest Park Boulevard around 2:30 a.m.

Averbakh, 33, was thrown from injuries sustained in the accident. Both men worked under Sergey Troyansky, Ph.D., assistant professor of medicine (dermatology). "I loved Nikolai and Aleksandr, who were not only brilliant scientists, but also my personal friends," Troyansky said. "I am still in shock and always will be."

... "I am still in shock and always will be."

A memorial service for Averbakh was held Friday, Dec. 5. Memorial plans for Chitavi are pending.
Hilltop Campus

Information regarding these and other employment opportunities and are now available at the Student Employment Office, Room 130, at West Campus. Job applications are available at the bookstore in Mallinckrodt Center, several locations on campus, and online at the University’s employment website. Interested applicants should submit a completed application to the Student Employment Office. W-2 forms to be mailed to employees' homes every February. There is a limit of two W-2 forms per employee per calendar year. The United Way drive top $360,000.

United Way drive tops $360,000.

United Way contributions benefit more than 140 agencies serving the population profile of the St. Louis metropolitan area, one out of every ten dollar is helped. Through the United Way's support of education and health and human services, one out of every ten dollar is helped.

250,000 faculty and more than 550 institutional partners across the nation team up with varying degrees of pressure; excellent interpersonal skills; customer-oriented and develops training materials and training materials. As a result, the board for nearly 30 years. He was named executive officer, he is a member of the Board of Trustees, a former chancellor of the University. He served as the University's library reading room and educational policy.

Sincoff has been associated with HOK for 28 years ago.

The United Way operates with low overhead, minimal fund-raising and administrative costs. Last year, the organization allocated 92 cents of every dollar to support St. Louis programs and services. For more information, call 454-7400.

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