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Students help shape national proposals

When officers of the National Association of Graduate-Professional Students (NAGPS) arrived in Washington, D.C., this past weekend, Feb. 11-12, to lobby for legislative initiatives among members of Congress, they took with them a platform crafted in part by students from Washington University.

Kristina Vischer from the School of Architecture, president of the Graduate-Professional Council (GPC) representing all eight schools at the University, was part of a NAGPS conference that wrote the group’s 2006 legislative platform. Also at the conference, held in Columbus, Ohio, in November, were Shelly Schraggen of Arts & Sciences’ Graduate Student Senate and Maldine Brown, a graduate student in Arts & Sciences now on leave from the University. Brown is a member of the NAGPS national board.

The platform sets forth an ambitious legislative agenda, including proposals for:

- Increased federal funding for graduate fellowships, which have diminished in number dramatically since the 1970s.
- Expanded tax deductions for interest paid on student loans, raising the income ceilings for student aid.

Speaking freely! Award-winning documentarian Charles Guggenheim (right) makes a point in a panel discussion Thursday, Feb. 10, during a campus forum on the First Amendment, which brought nationally known journalist-alumni back to the University. Other panelists were (from left) Ken Cooper (A&S ’77) and Maralee Schwartz (A&S ’75). Both of the Washington Post, and Paul Iksiloff (A&S ’74) of Newsweek; and Tom Baxter (A&S ’71) of the Atlanta Journal-Constitution. In keynote addresses at the forum, Guggenheim presented a screening of the film “The First Freedom,” which he produced for the Newsweek in Arlington, Va.; and Iksiloff discussed the way the undergraduate experience helped shape his commitment to First Amendment values.

Fugitive in 1970 anti-war protest surface

Howard Mechanic, a former student who jumped bail nearly three decades ago to avoid a prison sentence related to the May 1970 burning of the Air Force ROTC building on the Washington University campus, has surfaced in Scottsdale, Ariz. He surrendered to federal authorities Friday, Feb. 11.

Arizona newspapers began reporting last week that a long-time Scottsdale community activist and city council candidate was in fact Mechanic, a 1970 Washington University graduate student who had been living under an assumed name for decades. Mechanic was among a crowd of roughly 5,000 protesters who assembled in the Brookings Quadangle May 4, 1970, to protest the shooting that morning of four anti-war student protestors at Kent State University in Ohio. The rally culminated just after midnight May 5 with the burning of the ROTC building.

One of several persons charged with crimes related to the incident, Mechanic was accused of throwing cherry bombs at police officers and fire fighters. On Oct. 22, 1970, he became the first person found guilty under a 1968 federal anti-riot law. Mechanic disappeared in May 1972 shortly before he was scheduled to begin a five-year prison sentence.

Mechanic has apparently been living in Arizona since 1976 under the name Gary Tredway. He has worked for liberal causes, including election reform and environmental protection. He owns an apartment complex and runs a successful herbal food company.

It was his community involvement that eventually exposed him: in the Scottsdale City Council race, media scrutiny of his resume and credentials revealed that they were fabrications.

Since surfacing, Mechanic has refused to identify those who helped him remain hidden and has not said whether he met with his parents, his sister or his twin brother, Harvey.

Whiz kids

Program inspires new generation of scientific researchers

Kristina Vischer chalked a big X on the blackboard while a dozen soft rubber balls. The students in this freshmen biology class at Central High School of the Visual and Performing Arts in North St. Louis looked on bemused. They’d been told that these Washington University students were going to give them demonstrations about how the brain works, but they didn’t know what to expect. And the medical and graduate students were part of the Young Scientist Program (YSP), started in 1991 to focus, educate and inspire St. Louis City public high school students interested in science.

Vischer and Putcha called for volunteers, and a tall boy stepped up to the line and tossed the balls at the blackboard, hitting the X every time. Then Vischer took out a pair of thick, weird-looking goggles—“Prison goggles,” she said as she put them on.

“See? My eyeballs are over on the side,” she said. The kids grinned. This was getting more interesting.

The boy put on a pair of goggles and started throwing way to the left of the X. Gradually, though, his aim improved.

Putting on a pair of goggles and starting the eyes to override the brain to direct the muscles. John Kyles, head of the biology department at the school, looked on with approval.

“These kids love hands-on,” he said. “You can’t paper-pencil them. They’ll have a lot of questions tomorrow.”

Meanwhile, Daphne Robinson was introducing her group to the stars of the show, actual human brains. She passed it around. “Light! Brain juice!” cried one girl, refusing to touch it. But a slender girl named Helena said that holding the brain was her favorite part of the class.

At morning’s end, several students come over to shake hands or say thanks. One girl asked testively, “Can people come visit—you know, where do you work?”

Vischer beamed at her. “You can totally come visit.”

But the question was serious. “We hope our teaching teams spark interest,” said Christine Strand, the YSP director. “And that students will apply for Summer Focus in their junior year.”

Youngsters accepted into this program work with graduate student mentors in labs at the School of Medicine.

Another program component is the Mad Scientist Network, a Web site started in 1995 that uses more than 500 scientists to answer questions from around the world in fields from astronomy to

Students help shape national proposals

Washington University in St Louis

Inside: Dramatic design for riverfront wins annual architecture competition

Medical News: Scientists discover how alcohol damages the developing brain

Washington People: Denise McCartney brings zest for life to management job

Volume 24 No. 20

inside

Medical News: Scientists discover how alcohol damages the developing brain

BY DAVID LINZEE

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This detail of the winning design board in the School of Architecture’s Steedman Fellowship Competition features a translucent glass surface that would cover Interstate 70, forming a pedestrian bridge to St. Louis’ Gateway Arch grounds. Italian architect Fabio Oppili won the international competition.

Olympic diver Greg Louganis giving lecture

The lecture, sponsored by the Congress of the South Forty, is free and open to the public, with limited seating.

Greg Louganis will discuss his remarkable achievements in the world of diving at the age of 24, he became the world’s top diver; and despite a near-disastrous tribulation in an Assembly Series lecture titled “Beyond Breaking the Surface,” topped The New York Times Bestseller List when it was published in 1996. Louganis later adapted the book for the television film “Breaking the Surface: The Greg Louganis Story” and book and film chronicle Louganis’ tumultuous life: his difficult childhood, his struggles with homosexuality, his remarkable achievements in diving, and his fear and ultimate courage in dealing with HIV.

Pursuing his lifelong dream of an acting career, Louganis has starred in Broadway and Hollywood productions. He costarred in “Teach Me,” a feature-length film, and produced the autobiographical “Looking to the Light.” For more information, visit the Assembly Series Web page (http://wups.wustl.edu/assembly) or call 933-5285.

News Briefs

Dance Marathon to benefit children

In a final fund drive geared towards the annual “Dancing,” a student-run group that operates year-round, two local bookstores — the Washington University Campus Store in Mallinckrodt and Left Bank Books at 399 North Euclid Ave. — are donating a percentage of their profits to Dance Marathon. Left Bank Books will make a donation for purchases made Saturday, Feb. 19, while the windows for Campus Store purchases is Monday, Feb. 21, through Friday, Feb. 25.

Anyone interested in making direct donations can contact Dance Marathon chair Yasmin Minstry at 933-1819.
Damage mechanism for fetal alcohol explored

By JIM DRYDEN

For years, physicians and scientists have known that alcohol has detrimental effects on fetuses. A new study from investigators in Berlin, Tokyo and St. Louis suggests that the damage associated with fetal alcohol syndrome might occur.

A paper in the Feb. 11 issue of Science reports that a single exposure to high levels of ethanol (the alcohol in beer, wine and spirits) can kill nerve cells in the developing brain. The researchers found that the rat brain is sensitive to this toxic effect during a brain development stage that correlates to the brain growth period in humans. The brain growth spurt lasts from about the sixth month of pregnancy to a child's second birthday.

The scientists intoxicated infant rats by giving them ethanol for periods of four or more hours. (This maintained the alcohol level at twice the level that defines legal intoxication in humans.) This one-time exposure caused brain cells in the infant to die by a process called apoptosis or programmed cell death. The rate of cell death exceeded the spontaneous rate of cell death by almost 30 times in some parts of the brain (spontaneous cell death can be caused by surpluses cells developing from the brain).

"The scientists exposed infant rats to ethanol for periods longer than four hours, rather than studying the damage associated with a single exposure to high levels of ethanol," said William A. Peck, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine. "Very few investigators have tended to expose rats to alcohol for longer than four hours, rather than studying the damage associated with a single high dose. In the current study, the investigators found that drugs that excessively activate neurotransmitters, such as glutamate and GABA, to activate nerve cell receptors and transmit messages from one cell to another. In research reported last year in Science, Olney and colleagues found that drugs called NS102, which inhibit glutamate transmission, behave in the same way that alcohol does, have a similar cell-killing effect in the infant rat brain when given in very high doses. In the current study, the investigators found that drugs that excessively activate GABA receptors, as alcohol does, also kill nerve cells in the infant rat brain."

"There is evidence documents that alcohol acts by two mechanisms — by decreasing glutamate transmission and excessive stimulation of GABA transmission," said Ikonomidou. "By combining these two mechanisms, it produces a compound pattern of damage that is greater than either mechanism would produce by itself."

The death of neurons by apoptosis occurs naturally. It enables the brain to get rid of unhealthy cells or cells that are not needed during normal brain development. "But what we saw was cell death at many times the normal rate," said Olney. "The hypothesis is that alcohol and these other drugs down-regulate the suicide mechanisms that are going to die anyway to die more quickly. It's a race between the cells that would never have died under normal circumstances to commit suicide and millions that are involved."

These mechanisms might contribute to the wide variations in neurological and psychiatric symptoms seen in individuals with fetal alcohol syndrome. Symptoms range from hyperactivity and learning disabilities in childhood to severe psychosis in adulthood. Olney believes the variety of symptoms could be explained by the timing of alcohol exposure. In rats, he found that different populations of neurons were vulnerable at different times during the brain growth spurt.

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University Events

Race • Women in Ireland • Laughter of the Furies • Magnificent Universe • Dance •

Ancient writing "Messy, but fun," described the scene Feb. 7 as students in the Brookings College In-house Ancient Writing (Classics 370) seminar learned to make and write tablets, just as existing psychotherapists do.


Monday, Feb. 21


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4 p.m. Molecular biology and pharmacology seminar: "Pharmacology of Neuropeptide Y Receptors in the SIADH Syndrome." Presented by Ellen Li, professor of medicine and associate professor of biology. Room 100 Brown Hall. 935-9380.

Tuesday, Feb. 22


12:12 p.m. Physical therapy research seminar: "We Know What the Surgeons Say!" Presented by Douglas D. Jones, research professor of physical therapy. Room 362-2866.


Wednesday, Feb. 23

8 a.m. Obstetrics and Gynecology Grand Canal, is a regular for-credit class sponsored by and taught in Brookings College. When the Furies: Women and Midernity Filmboard Feature Series. (Also Feb. 26, same time, and place.) Presented by Maryanne Ellison Simmons, master printer. Cost: $15 (includes lunch). Steinberg Hall. To register, call 935-5490.

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Lady Bears tie NCAA record

After picking up its 58th consecutive win Wednesday, Feb. 17, against Case Western Reserve, 75-38, and 59th Friday, Feb. 19, against Case Western Reserve, 75-38, and 59th Friday, Feb. 19, against Case Western Reserve, 75-38, and 59th Friday, Feb. 19, against Case Western Reserve, 75-38, the University of Houston women's basketball team continued its made history Sunday afternoon by beating the University of Richmond, 79-75, in its 71st consecutive win. The Lady Bears, who have been ranked No. 1 in the Associated Press Top 25 for 11 consecutive weeks, are now 22-0 on the year, wrapped up at least a share of the University Athletic Association (UAA) title and the league's automatic berth in the NCAA tournament. Junior Tatia Runyon scored a game-high 30 points on 10-of-11 shooting, and Senior Couric Tucker scored 15 points and pulled down a career-high 10 rebounds. Against Richmond, her senior year at Rice is the best he has shown in 24 points on 10-of-13 shooting.

Sports Section

Friday, Feb. 19
5 p.m. Creative Writing Program reading. "Black Paper Lives Matter" by Evon Stewart, reading poet, will read from his work. Co-sponsored by the English Department and the Black Student Union. University of Southern Mississippi. 261 Holds Hall. 935-7130.

Saturday, Feb. 20

Saturday, Feb. 20
9 a.m. Continuing Medical Education program. "Bone Marrow Transplantation: An Update for the Health Care Team" by Dr. M. C. Godbold, dir, of Clinical Education, U.S. Army Medical Center. Cost: $300, $250 for physicians in training.

Saturday, Feb. 20
9 a.m. Continuing Medical Education program. "Cancer Cell Biology and Drug Resistance" by Dr. M. C. Godbold, dir, of Clinical Education, U.S. Army Medical Center. Cost: $325, $275 for physicians in training.

Saturday, Feb. 20
Making mini-motors Annie Neavill and Kate Theurer assemble motors from magnets, batteries, paper clips and wire at the annual "Women in Engineering Day" sponsored by the Society of Women Engineers here. Neavill and Theurer, students at Christian Outreach School in Hillsboro, MO., were among more than 60 high school students on campus Feb. 5 for the event. The mini-motor assignment was devised by Paul Discher, supervisor of technical services in the Department of Electrical Engineering.

Young scientists Program turns students on to careers in science — from page 1

Young scientists and organizations, including the University. A sampling of courses by Advanced Presentation Skills," "Managing Diversity in the Workplace," "Projecting a Professional Image" and "Inter-viewing and hiring for Supervisors." These opportunities are available to all employees of the Hilliop, Medical and West campuses. In addition, to the courses, the division will work on one-on-one with employees and is available to provide customized development services. While some courses are free, others require a fee to be paid by the employee's department. Before registering, employees should consult with their supervisor.

The course catalog recently was mailed to all employees. If employees did not receive one or would like more information, call 935-6970. The catalog is available on-line at http://hr.wustl.edu/

Range of job skills covered in HR courses

Staff and administrators looking to improve their skills can get help in managing discipline, offering learning strategies for handling stress and improving multiple priorities through the Training and Development Programs offered by the Human Resources Department.

Courses on these topics are among the new offerings for the 2000 spring/summer session. A review of the 360-degree Management/Leadership Development Workshop, in which managers, directors and administrators can get feedback on their management and leadership competencies from supervisors.

"Self-examination requires courage but is an essential step for all managers and leaders," said Richard J. Norton, director of training and human resource development. "The course is not a performance appraisal, but a confidential way of looking at your abilities and how you interact with others, then learning how to use the feedback.

In addition to the numerous courses offered here are programs in management and leadership. These off-campus programs are offered through AAM Management Association, a partnership of hundreds of St. Louis business

and organizations.

Proposals WU students help craft national platform

— from page 1

Eligibility: Increased federal research support; increased tax incentives for graduate and professional students; increased appropriations for employer-sponsored educational benefits; increased portions of scholarships, fellowships and grants; a new position in the U.S. Department of Education's Office of Scientific and Educational Education for a graduate and professional education coordinator; support for promoting and supporting graduate and professional education; and increased grad student housing. Affordable health care coverage for graduate and professional students; post-docs and research assistants and fellows.

For international students, the shared platform seeks increased flexibility in work and travel restrictions and permitting students to transfer without affecting visa status. Another resolution supports the right of legal immigrants to pursue graduate studies and to benefit from federal student aid program.

Responding to efforts in some states to divert higher education funding to primary and secondary schools threatened by reduced access, the bill advocates a agenda that argues education at all levels is critical and equitably funded.

To help WU go to Washington this year because the annual budgetary process is now getting under way. "During the first stages of the federal appropriations process," Williams said, "NAGPS' role is to be one of our national representatives to contact our national representatives in future legislative efforts." The NAGPS was founded in 1986 to improve the quality of graduate and professional education and information of the national office and regional networks also serve as a clearinghouse for information. The NAGPS coordinates the appointment of one graduate and professional student representatives to a national officer, a regional officer and some committees and panels, concerned with issues ranging from the academic calendar to parking to campus safety.

Links Medical Center walkways detour construction

— from page 3

Parkview Place and the covered walkway and stairs from 7 p.m. to 1 a.m., and the bike patrol will continue its normal coverage of the area.

Third, on April 3, the park over Forest Park Avenue that connects the Parkview Garage with Barnes-Jewish Hospital North will be re-entranced into the Waldheim Ambulatory Care Building. The link currently leads into the remaining section of the former Barnes-Jewish Hospital North

Garage, which must be demol-ished as part of the Waldheim Ambulatory Care Building. Construction of a temporary detour into the Waldheim Building is expected to be completed in September.

For additional information, call the Campus Integration construction hotline at 935-1790.

Campus Watch The following incidents were reported to University Police from Feb. 7 - Feb. 13. Students with information that could assist in investigating these incidents are urged to call 935-6665. These are provided as a public service to callers. University Police can be reached at the University Police Web site at http://hr.wustl.edu/

Feb. 9 9:38 p.m. — A student reported theft of the auto from a South 40 parking lot sometime between 9:30 a.m. and 2:30 a.m. Feb. 10

Feb. 11 4:32 p.m. — Two students smoking marijuana in their room.

Lien Residential House room set off by smoke detector.

Feb. 12 2:31 p.m. — A student referee at an intramural basketball game was struck by a player who disagreed with the referee's call.

University Police also responded to four additional reports of theft, an additional assault, five reports of harassment, two reports of auto vandalism, two reports of auto theft and one bike theft, one peace disturbance and one traffic violation.
Beata Grant receives Governor’s Award for Excellence in Teaching

Beata Grant, Ph.D., associate professor of Chinese and chair of the Department of Asian and Near Eastern Languages and Literatures in Arts & Sciences, has received the Governor’s Award for Excellence in Teaching from the Coordinating Board for Higher Education in recognition of her outstanding teaching performance and commitment to high standards of excellence. The Governor’s award is presented annually to an outstanding faculty member from each of Missouri’s public and independent colleges and universities. Dr. Grant, who holds a master’s degree in Chinese from the University of Arizona, a doctorate in Chinese in 1987, also from Arizona, and a post-doctorate from Stanford University, said: "I’m very honored to receive the Governor’s Award. Teaching has been enormously rewarding, and I have derived great satisfaction from fostering the intellectual growth of students and from sharing my knowledge and skills in a wide variety of contexts." This year’s award was given for the academic year 1998-99.

Grants

Teaching

Religion and gender in Chinese literature and culture.

Grant received the award at a statewide higher education policy conference held last year. The awards have been presented annually to an outstanding faculty member from each of Missouri’s public and independent colleges and universities in Missouri. Award criteria generally include effective 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 the academic and professional lives of students.

Professor Grant fills all the teaching award criteria and more, said Edward S. Macias, Ph.D., executive vice chancellor and dean of Arts & Sciences. "Her teaching has been exceptional. The Governor’s Award is an important recognition of her outstanding teaching, her commitment to high standards, and her dedication to preparing our students to be leaders and problem-solvers in today's world." Dr. Macias added that Grant also has done a superb job of leading the Chinese language and culture program and in developing good understanding of Asian language, literature, and culture; it has also proved to be very popular — a testimony to her knowledge and skill, as well as to the significance of the subject matter.

Beata Grant: "I would encourage the students to read the writings of a Song dynasty literary giant named Su Shi. Her research, which required two years in Beijing, was eventually published in 1994 as her first book, "Mount Lu: Revised Buddhist Life and Writings of Su Shi." Her research continues to explore the poetry and other writings of Su and other Song dynasty Chinese. Her work demonstrates the potential of clinical trials in a significant way."

"We are very pleased that Dr. Grant has received this award," said Edward S. Macias, Ph.D., executive vice chancellor and dean of Arts & Sciences. "Her teaching has been exceptional, and she has done an outstanding job of leading the Chinese language and culture program. She is an excellent role model for our faculty and students, and we are proud to have her on our faculty." Dr. Macias added that Grant also has done a superb job of leading the Chinese language and culture program and in developing good understanding of Asian language, literature, and culture; it has also proved to be very popular — a testimony to her knowledge and skill, as well as to the significance of the subject matter.

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A zest for life, work and laughter
Denise A. McCartney, plucky problem solver, applies keen mind and lively humor to medical management

Denise A. McCartney, assistant dean for management services at the School of Medicine, is a plucky solution seeker who thrives on coming up with creative approaches to problems. "If I have a situation and I don't know where to go, I go to Denise," said Edwin K. Hinrichs, executive director of anesthesiology. "She also is a great sounding board. You come back to her with very thoughtful ideas and questions."

Known for her dedication and resourcefulness, McCartney finds no problem too small or too grand to tackle. Her colleagues say she takes an employee's inconvenience just as seriously as, for instance, working with department heads to implement a new faculty compensation system, one of her latest projects. She also is known for her sense of humor and ability to find the lighter side of almost any situation. "There's never a time that I interact with her without having a laugh," said Beverly Hahn, executive director of the Department of Pediatrics, who has worked with McCartney for about 10 years. McCartney has administrative responsibility for human resources, research administration and performance improvement. She also functions as a liaison between department heads and the central administration.

Lee F. Fetter, associate dean for administration and finance and McCartney's boss, said McCartney is a consummate team player who serves as an example to other employees. "Her tireless devotion to the University's mission, her strong service ethic and her ever-present optimism are inspiring to those of us fortunate to interact with her on a regular basis."

McCartney said she enjoys working with such a large cast of customers — department heads, business managers, administrators and faculty. In addition to acting as a liaison, McCartney spends a great deal of time building consensus and writing policies. She enjoys delving into the rules and regulations that will affect policies and looking at other universities' approaches. And she delights in the intellectual discussion that goes into these decisions.

One of the most difficult parts of McCartney's job, however, is deciding where priorities lie. "There are so many things going on, and they're all really interesting," she said. "Everyone has so much excitement about what they're trying to get done that sometimes it's a little hard to know where to go first."

Life is an adventure
McCartney's father, who worked for Southwestern Bell, and her mom, a full-time parent, taught McCartney and her brother and sister that life is an adventure. "They were big believers in having fun and trying out different experiences," she said. "They also emphasized personal independence and community involvement."

The family moved 12 times in Oklahoma during the time McCartney was 13, then to Berkeley Heights, N. J., and eventually to St. Louis. But it didn't deter them from becoming involved in their new communities. Whenever they moved to a new town, they did volunteer work and joined a local church. "We were always taught to give back," McCartney said.

McCartney became interested in science as a child. Her mother wanted to become a laboratory researcher and often talked to McCartney about the field. After McCartney earned a bachelor's degree in medical technology from the University of Missouri-Columbia in 1978 and worked for six months as a medical technologist, she decided to get a master's degree in business administration.

She wanted to direct a hospital laboratory. Four weeks before getting married in 1980, McCartney fell off the roof of her house when she was cleaning the gutters. She woke up in the hospital paralyzed from the waist down. "It was a very stressful time," she said. "With spinal cord injuries, it's almost as devastating for the family and friends as it is for the person affected by it."

Within six months, McCartney returned to her job in a blood bank. A year after the accident, she re-enrolled in graduate school. When she graduated, she landed a job as a supervisor at Barnes Hospital and later became laboratory manager of the Laboratory of Neurorehabilitation, which she founded. "After you go through an accident and something really does make a choice," McCartney said. "You can feel sorry for yourself or realize that you're pretty lucky, I was very lucky."

In 1989, McCartney was hired as the Irene Walter Johnson (IWJ) Rehabilitation Institute business manager, a joint position between the School of Medicine and Barnes Hospital. At the time, the IWJ provided all the tertiary and outpatient physical, occupational, speech and therapy for Barnes and St. Louis Children's hospitals. She worked there until becoming assistant dean for management services at the medical school in 1990.

McCartney has not let her disability limit her life — she likes to tell people she can do everything but walk. "One of my favorite things about Denise is that nothing stops her," said Joan M. Podleski, assistant vice chancellor for clinical affairs and also a personal friend of McCartney. "If an obstacle gets in her way or makes life more difficult, she finds a way to get around it. I think she is strong in ways that many people aren't."

Undaunted courage
Several times a week, McCartney rides a bike for exercise and recreation. An attachment hooks to her wheelchair, allowing her to use her arms to propel the bike. She rides it in her neighborhood, on the Katy Trail, on the Great River Road and at Creve Coeur Lake. She plays golf with shortened clubs, swims, gardens, reads and loves to spend time with her niece and nephews, who live in St. Louis. An avid traveler, she aims to make it to all 50 states. In a number of years after her injury, she made spinal cord injury awareness presentations at area high schools to help students understand the risks of drinking and driving and of not wearing car seat belts or bike helmets. She also has participated in disability awareness programs at churches and at the medical school.

The thing that guides me most in my life is providing service or support to people," McCartney said. "Every day when I leave my job, I feel as if I've contributed something."