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Reeve’s results signify ‘super’ progress

The American Spinal Injury Association (ASIA) scale is the standard method for assessing spinal cord damage. After three years of treatment, Reeve’s ASIA classification has been upgraded from A to C on a scale that ranges from A to E. This first document is a study of the perception of a person improving two ASIA ratings more than two years after being injured. In light of science’s perception of spinal cord injuries, it’s remarkable to recover any sensation or movement whatsoever long after the injury has occurred, particularly in those with severe spinal cord damage. After three years of treatment, Reeve’s ASIA classification has been upgraded from A to C on a scale that ranges from A to E.

Christopher Reeve and John W. McDonald, M.D., Ph.D., discuss Reeve’s condition over the past three years. Reeve has regained some body sensation and motor function.

United Way campaign kicks off

Many people have it pretty good. But some don’t, and that’s where the United Way comes in — helping people help themselves to become more self-sufficient. The 2002 campaign for the United Way of Greater St. Louis is now under way, and University faculty and staff members should have already received pledge cards in the mail. I ask that you join me and many others in the University community to support this important effort,” Chancellor Mark S. Wrighton said in an accompanying letter. “Washington University’s United Way campaign is key to the success of the campaign in the entire St. Louis region, and I hope we can continue our tradition of being strong supporters of this important community effort.”

Last year, the University far exceeded its goal and raised more than a half-million dollars. The hope is that this year’s campaign will be as successful. The money goes to a good cause. But it’s not just "some" of the contribution or a "portion" of the donation. It’s the money that’s needed now.

Fully 90 percent of contributions to the Greater St. Louis United Way goes directly to programs that fight hunger, provide health care and services to the disabled, ensure that children have the opportunity to learn, and help the elderly, injured and homeless.

At top, Becky Lewin (foreground), a first-year student from New York City, was one of more than 1,000 students, faculty and staff who participated in a candlelight vigil in Brookeskings Quadrangle on the one-year anniversary of the terrorist attacks. Chancellor Mark S. Wrighton (above, left) was among the speakers at the vigil, which also featured dancing (above) by students in the Performing Arts Department in Arts & Sciences.

On Page 7

• Gerald Early, Ph.D., the Marke King Professor of Modern Letters, comments on national unity and what it means to be an American.
• Frank K. Flinn, Ph.D., adjunct professor of religious studies in Arts & Sciences, comments on his hope that love will flourish.
• More photos

Students, Fossett present capsule to Smithsonian

Chancellor Mark S. Wrighton and student interns joined bal- lonician Steve Fossett Sept. 5 in formally installing the Bud Light Spirit of Freedom capsule at the National Air and Space Museum in Washington, D.C.

The capsule that carried Fossett on his successful solo circumnavigation of the globe this summer is now a part of the museum’s "Milestones of Flight" collection. Upon entering the museum, which is part of the Smithsonian Institution, visitors will see the capsule in the main gallery on display alongside Charles Lindbergh’s Spirit of St. Louis and other notable “firsts” in aviation and space history.

With Mission Control set up in Brookings Hall, Room 300, Fossett launched from Northam, Western Australia, June 19 and landed July 4 near Durham, Station in Queensland, Australia.

Eighteen University students from the College of Arts & Sciences, the Olin School of Business and the School of Engineering and Applied Science served as interns on the project, working in Mission Control 24 hours a day, seven days a week, throughout the duration of the flight.

The internships were made possible by a grant from Barron Hilton, a longtime ballooning enthusiast and admirer of Fossett and his many accomplishments.

During a news conference held in conjunction with the installation ceremony, museum director J.R. "Jack" Daily thanked the student interns, whose names are imprinted on the capsule, for their support.

"This achievement would not have been possible without many of our tradition of being strong supporters of this important community effort.”

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During a news conference held in conjunction with the installation ceremony, museum director J.R. "Jack" Daily thanked the student interns, whose names are imprinted on the capsule, for their support.

"For the students of Washington University in St. Louis who handled Mission Control, the Spirit of Freedom flight was a once-in-a-lifetime learning experience,” J.R. "Jack" Daily said in a accompanying letter. Washington University in St. Louis who handled Mission Control, the Spirit of Freedom flight was a once-in-a-lifetime learning experience.” J.R. "Jack" Daily said in a accompanying letter.

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Kornfeld, Schaal to speak for Assembly Series

Stuart Kornfeld, M.D., a prominent molecular biologist, and Betty Schaal, Ph.D., an authority on plant biology and life sciences, will receive the University's 2002 Faculty Achievement Awards and summarize their scholarly work at an awards ceremony as part of the Assembly Series.

The event, which is free and open to the public, will be held at 4:30 p.m. Sept. 18 in Room 100 of the new Laboratory Science Building, located just north of Graham Chapel.

Kornfeld, the David C. and Betty Farrell Distinguished Professor of Medicine and professor of genetics in the medical school, is this year's recipient of the Carl and Gerty Cori Faculty Achievement Award.

Schaal, the Spencer T. Olin Professor of Biology in Arts & Sciences and professor of genetics in the medical school, is this year's recipient of the Arthur Holly Compton Faculty Achievement Award.

Law school presents Public Interest Speaker Series

The series is coordinated by Lemma Barkaloo & Phoebe Scheck, professor and director of the Center for the Advancement of Science. She serves on the boards of trustees for the St. Louis Academy of Medicine and the National Institute of Justice.

Kornfeld and Schaal were selected by members of the faculty, based on the following criteria: outstanding achievement in research and scholarship; recognition of prominence within the community of scholars; service and dedication to the betterment of the University; and commitment to teaching.

Kornfeld, who co-directs the Division of Hematology, has made groundbreaking discoveries about how cancer cells prevent proteins from moving within cells. This research recently resulted in the discovery of a critical enzyme.

Schaal's recent work is a collaboration with students and pairs in research on the evolutionary genetics of plants in hopes of developing crops that are more disease-resistant.

The series is co-sponsored by the law school's Clinical School of Law's fifth annual Public Interest Speakers Series.

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Some ties are meant to be broken
Abnormal chemical bonds cause bleeding disorder

BY DARRELL E. WARD

Blood platelets and the protein von Willebrand factor (vWF) normally pass like strangers in the night — until an artery is injured. Then, they recognize one another and latch together to form a blood clot and prevent further bleeding. But in a few people the two "embrace permanently," leading to a bleeding disorder known as type Ib von Willebrand's disease.

Researchers in the School of Medicine have a new explanation for why and how this pair embraces abnormally to cause such ease.

The study, which was published in a recent issue of Biophysical Journal, suggests that the disease occurs because a defective form of von Willebrand's disease protein is present and cannot persist longer than they should, thereby holding vWF and blood platelets together in flowing blood when they shouldn't. The defective protein changes the kinetics of the chemical bond between the proteins and the platelets.

"This is the first time that a naturally occurring disease has been linked to an alteration in the kinetics of a chemical bond," said study leader Thomas G. Diacovo, M.D., associate professor of pediatrics and of pathology and immunology. "The finding is of great interest because we now have a better understanding of how normal platelets function and of the delicate balance that exists between these blood clotting elements — disturb that balance, and the whole system falls apart."

For the past 25 years, scientists have attempted to explain why platelets stick to vWF at sites of vascular injury but not in flowing blood. Most of them believe that docking sites on vWF undergo a change in shape after the protein adheres to a site of vascular injury. This change presumably makes platelets unable to attach to vWF. People with von Willebrand's disease have an altered form of vWF, in which one amino acid in the protein has been replaced by another. Proponents of the "change theory" hypothesize that the abnormal amino acid changes the shape of the bond between vWF and platelets as they flow along the bloodstream in healthy individuals.

However, the number of bonds formed at any one time are too few to stabilize the attachment of platelets to vWF because as soon as a bond forms, it rapidly relocations.

In a particular form of von Willebrand's disease, however, the number of bonds is significantly longer than normal. That extra time allows many additional bonds to form, which stabilizes the interaction and locks the protein and platelets together. "It's not just a brief touch-and-go," Diacovo said. "Rather, one bond forms and before it breaks, two, three and four more have formed."

As more bonds form, small aggregates of platelets and vWF develop. These aggregates are cleaved from the blood, probably in the spleen, which reduces the amount of vWF and the number of platelets in the blood, Diacovo said.

Consequently, people with von Willebrand's disease have a mild to moderate bleeding disorder. They bruise easily and simple needlesticks can continue for several hours or days before finally healing.

In addition to providing insight into platelet function in normal individuals and in people with von Willebrand's disease, the findings may also help researchers develop new kinds of anti-thrombotic drugs. The results also may pose a new way of anti-thrombotic drugs. The results also may pose a new way of anti-thrombotic drugs. The results also may pose a new way of anti-thrombotic drugs.

"The finding gives us a better understanding of how normal platelets function and of the delicate balance that exists between these blood clotting elements — disturb that balance, and the whole system falls apart."

THOMAS G. DIACOVO

Physical map of mouse genome now available

BY DARRELL E. WARD

A physical map of the genetic makeup of a mouse — the mouse genome — is 98 percent complete and has been published online by the journal Nature (nature.com/nature).

Researchers at the Genome Sequencing Center in the School of Medicine played a major role in the international effort, as they did in the sequencing and mapping of the human genome. "This physical map gives us the big picture of the mouse genome," said John D. McPherson, Ph.D., associate professor of genetics and the St. Louis team lead investigator. "This physical map provides a roadmap for genomic medicine."

Comparison of the mouse and human maps, for instance, can highlight regions of DNA that control genes. These regions are crucial to understanding the role of genes in health and disease, but they are difficult to find using current methods.

The physical mouse genome map is a complementary effort to the draft sequence of the mouse genome, which was released in May. The important difference is one of detail and organization, McPherson said. "This map was used to confirm the draft sequence."

Investigators studying mouse genes or regions of DNA now can locate their particular segment on the map and obtain the actual clone of that region to study, rather than isolating the region themselves.

Asthma study needs volunteers

If you are a non-smoker with asthma who is between 18 and 60 years old, and if you also use inhaled steroids and are not pregnant, you may be eligible for a study that evaluates the effects of inflammation from this disease. Participants will be paid for their time, receive free screening tests and medications and undergo two free procedures at Barnes-Jewish Hospital. For more information, call Steve Debaratino at 302-3485.

Physical map of mouse genome now available

BY DARRELL E. WARD

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**University Events**

**Renowned mezzo-soprano Castle to present intimate Liederabend**

By LAM OTTEN

Mezzo-soprano Joyce Castle, one of the world's leading opera stars, will perform in more than 15 years with the Metropolitan Opera and the New York City Opera, with performances in cities like Chicago, Central City Opera and New Israeli Opera, as well as with companies in Dallas, Houston, San Francisco, Santa Fe, N.M., Seattle, Washington, D.C., Philadelphia, France and Italy. Her diverse repertoire ranges from the roles of Johanna in Wagner's Die Meistersinger to the title role in Strauss's Der Fliegende Holländer to the Witch in Hansel and Gretel and Elizabeth of Erdrich in the American stage premiere of Benjamin Britten's Germany. Castle has sung extensively from the 20th-century German repertoire, notably the role of Elisabeth in the New York premiere of Gottfried von Einem's The Time of the Old Lady and in numerous roles by Richard Strauss. She performed as Herodias in Sir Peter Hall's acclaimed production of Salome for the London Opera — a role she reprized for the Calgary Opera, Manitoba Opera, Opera Columbus, the Austin Lyric and the Seattle Opera, among others. She also has appeared in Edinburgh at the International Edinburgh Festival Opera Festival in the U.K.

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**Concert**

**Where:** Mezzo-soprano Joyce Castle

**What:** Liederabend of Music of Brahms, Faust, Wolf and Wallenstein

**Where:** Steinberg Auditorium, St. Louis Hall

**When:** 3 p.m. Sept. 22

**Cost:** $15 (for university local and staff and for seniors), $5 for undergraduates, available at the Edison Theatre Box Office, through all MetroTxs outlets and at the door.

**Lecture:**

**Where:** William H. Danforth Great Hall, Special Collections Library

**When:** 4:15 p.m. Thursday, Sept. 25

**What:** "Economic Evaluation of AIDS Clinical Trials." Barton Hamilton, assoc. prof. of pediatrics and asst. prof. of pharmacology, U. of Colo. School of Pharmacy, Denver.

**Tuesday, Sept. 17**

**Univ. Alzheimer's Disease Research Center Tuesday Conference Seminar Series: "Principles of Demanda Care by a Singer and Pianist, particularly of works by 19th-century Austrian or German composers such as Franz Schubert, Robert Schumann, Johannes Brahms or Hugo Wolf.**

**Wednesday, Sept. 18**

**4 p.m. Biochemistry Seminar Series:** "Evolutionary Markers of Somatic Protease Inhibitor Function." Brian McStay, senior lecturer in biomedical sciences.

**Thursday, Sept. 19**

**4 p.m. Biochemistry Seminar Series:** "Trials." Barton Hamilton, assoc. prof. of pediatrics and asst. prof. of pharmacology, U. of Colo. School of Pharmacy, Denver.

**Friday, Sept. 20**

**11:30 a.m. Pathology Grand Rounds:** "Hematological Features of Pregnancy." Alyson C. Davis, M.D., prof. of pathology.

**1 p.m. Chemistry Lecture Series:** "Kennedy Memorial Lecture. "Optical Neurisph." Eliot Hall, Rm. 300. 935-4918.

**Saturday, Sept. 21**

**4 p.m. Biology Seminar Series:** "The Nucleocytoplasmic and Ribonucleoprotein Transports." Brian McStay, senior lecturer in biomedical sciences.

**NeuroAIDS • Molecular Chaperones • Mid-career Issues**

**University Events** (Continued)

"University Events" lists a portion of the activities taking place at Washington University Sept. 14-27. For the full calendar for the fall semester, call 935-4037 for students, 935-5640 for faculty and 935-5360 for staff.

**Exhibitions**

The list of exhibitions is updated each semester for the fall semester. For a list of exhibitions for the fall semester, call 935-4037 for students, 935-5640 for faculty and 935-5360 for staff.

**Lectures**

**Sign me up** First-year student Marisela Garcia (left) and Isabel Acevedo sign up at the Relay For Life booth, staffed by senior Chris Alvarado, during the recent Community Service Fair in the South 40. More than 50 St. Louis nonprofit agencies and several campus organizations attended the event to help freshmen become more interested and involved in serving the community. Castle has appeared on PBS in Wagner's Der Ring des Nibelungen and in numerous Teatro Metropolitan Opera radio broadcasts. Her recordings include the title role in Menotti's The Medium (Cedille Records); the title role in the Old Lady in New World Records; Grammys Award-winning Candid. Castle has been featured on collections of music of Stephen Sondheim, Stefan Wolpe and Joseph Feminca. An alumna of the University of Kansas and the Eastman School of Music, Castle joined the KU faculty as an artist in residence in September 2001. Tickets for the Sept. 22 concert are $15; $10 for University faculty and staff and for seniors; and $5 for students. Tickets are available at the Edison Theatre Box Office, through all MetroTxs outlets and at the door.

For more information, call 935-4891.

**NeuroAIDS • Molecular Chaperones • Mid-career Issues**

**University Events** (Continued)

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**NeuroAIDS • Molecular Chaperones • Mid-career Issues**
Vo-Du Macbeth symposium at Umrah Lounge Sept. 24

By Lian Otten

W heny Fields, Ph.D., the Co-ccrine Harper Distinguished Professor in English and co-director of the American Culture Studies, both in Arts & Sciences, will moderate a symposium on Vo-Du Macbeth, a new Creole-flavored adaptation of the Shakespeare classic.

The event is free and open to the public and takes place from 4:30-6 p.m. Sept. 24 in Umrah Lounge in Arts & Sciences Hall.

The symposium is held in conjunction with the Midwest premiere of Vo-Du Macbeth, a work-in-progress created and produced by the National Spirit Project, which launches the University's 2002-03 Edison Theatre OVA-TIONS Series with a pair of performances Sept. 28-29.

Inspired by Creole "Verba," famed 19th-century work, which sets the tale in its Haitian asshole of African drumming, costumes and dance, Vo-Du Macbeth unfolds in New Orleans amongst the Gona de Couleur Libre, or Free People of Color of the Civil War.

The symposium will address questions pertaining to the creation of the Macbeth play, the history and culture on which the play draws as well as the process of theatrical adaptation. Speakers include:

- Leond Soulis, playwright and creative director of the Macbeth team, will speak on "The Making of Vo-Du Macbeth: The Play, Its Production and My Creative Process.
- Peter Kantor, Ph.D., assistant professor of history and of American Culture Studies, both in Arts & Sciences, will talk about the process and shapes the world of the play.
- Bill Hanke, Ph.D., associate professor of drama and comparative literature, both in Arts & Sciences. Hanke will speak on "Post-Colonial Adaptation of Shakespeare.

Vo-Du Macbeth

Who: Edison Theatre (OVA-TIONS) Series and American Culture Dialogue
When: 4:30-5:30 p.m. Sept. 24
Where: Umrah Lounge, Arts & Sciences Hall
Cost: Free and open to the public
For more information, call 935-4912.

Wednesday, Sept. 25
7 p.m. Volleyball vs. Fontbonne U. Athletic Complex, 104-213; 935-4912.

Thursday, Sept. 26
2 p.m. Women's Soccer vs. Fontbonne U. Francis Field. 935-4912.

Wednesday, Sept. 25

Volleyball captures CU Classic title

The No. 4 volleyball team had another perfect weekend with victories over Wichita State (3-0), Southern Illinois (3-0), Westminster (3-0) and the University of St. Francis (3-0) to advance to the CU Classic Sept. 26-27. Senior co-captain and libero Renato Beechcroft allowed just 12 assists in the four matches as the passed Meg Vitter for third all-time in assists.

WUSTL listed with 3,286 assists. Assistant coach Amy Beaud and Katie Quinn were named to the all-tournament team as the Bears captured their second straight tournament victory. Ward said that the Bears captured their second straight tournament victory.

Washington University Toastmasters For Non-Traditional Audiences, "Does IT Matter?" C. Russell Bowers, assoc. prof, of chemistry, U. of Ill. at Urbana-Champaign. 935-4912.

Saturday, Sept. 21
8 a.m.-1 p.m. Continuing Medical Education course. "Annual St. Louis Education course.

Saturday, Sept. 21

and more...

Tuesday, Sept. 17
7 p.m. Men's & Women's Tennis. WU Athletic Complex. 935-4705.

Wednesday, Sept. 25
7 p.m. Volleyball vs. Fontbonne U. Athletic Complex, 104-213; 935-4912.

Thursday, Sept. 26
2 p.m. Women's Soccer vs. Fontbonne U. Francis Field. 935-4912.

Music

Thursday, Sept. 19
8 a.m. and 10 a.m. Francis Fahn and Thomas Williams in the Arts & Sciences Hall.

Sunday, Sept. 22
3 p.m. Concert, Lindbergh, Joyce Dirnberg, Soprano, Coll. of Men & Women. 881-7010. WUSTL faculty and staff, $3 for WUSTL students. Sherwood Hall, 935-6628.

Sports

Friday, Sept. 13
11 a.m.-1 p.m. Westminster vs. Washington & Jefferson. WUSTL list with 5,236 assists.

Saturday, Sept. 14
10 a.m. Women's Tennis vs. Cornell College.
10 a.m. Men's Tennis vs. Westminster.
10 a.m. Volleyball vs. Ohio Northern U. Athletic Complex, 104-213.

Saturday, Sept. 14
10 a.m. Volleyball vs. Ohio Northern U. Athletic Complex, 104-213.

Saturday, Sept. 21
8 a.m. and 10 a.m. Westminster vs. Central College.
10 a.m. Westminster vs. MacMurray College.
10 a.m. Volleyball vs. Central College.
10 a.m. Volleyball vs. Central College.
10 a.m. Women's Soccer vs. Fontbonne U. Francis Field. 935-4912.

Friday, Sept. 20-Sunday, Sept. 22
All volleyball games at Westminster, WUSTL list with 5,236 assists.

Saturday, Sept. 21
7 p.m. Men's Soccer vs. Principality College. Francis Field. 935-6628.

Sports

Washington University in St. Louis

Provides assistance to more than 200 organizations - team Page 1

The United Way provides assistance to more than 200 health and human service organizations in Missouri and Illinois, with one in three people in the region being helped by a United Way-assisted organization.

The campaign officially ends Oct. 21, but the United Way's Resources will accept pledge cards up to the end of the calendar year and beyond.

Lorraine Goff-Rush, director of employee relations and human resources, addresses guests at the kickoff breakfast of the start of the 2002 campaign for the United Way of Greater St. Louis.

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On the Web

For campus sports schedules and results, go to sports.wustl.edu

end as it compet- ed in the USA/CAAC Challenge in Sewanee. 1-0-1. In the tournament's opening game, the Bears faced the University of the South in an over- time overtime.

Sophomore goalkeeper Jeremy Kaplan-Lyman posted the shutout for the Bears in both games all 110 minutes, making 12 saves.

The Bears outshot the Tigers 13-9 in a 4-2 loss.

The Bears outshot Rhodes 16-14 but could not muster a goal.

Jeffi Wieslow scored the game- winner in the 84th minute as the Bears dropped their first contest of the season.

The seniors soccer squad improved to 2-1-1 on the year with a win and a last gasp draw. They earned their first draw, and first shutout, of the young season.

Junior Amy Brand (above) and classmate Katie Quinn were named all-tournament as the Bears won the CU Classic Sept. 6-7.

Storm the one-point halftime edge. The Bears' Kevin McCarl parked it 122 yards away, followed by 29 carries in his first career start, including 41 on the game-winning drive. Allen finished 10 of 27 for 149 yards and a TD, while Dausch caught four passes for 90 yards and his first career TD. Freshman quarterback Jonathan Smith took over late in the third quarter and com- pleted nine of 16 passes for 82 yards including seven of nine on the final drive. Brandon Roberts had a team- high seven tackles, while sophomore Ryan Lasko recorded six tackles and a sack in his first career start.

The men's soccer team post- ed a 6-1-1 record this past week in the nation. St. Louis ranks eighth in terms of support for the United Way.

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Spinal cord
Reeve regains ability to feel pinpricks
from Page 1

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dence and outlook on life have dra-
monstrably improved," added Dr.
Donaldson, who also is a staff
physician at the Kermit T. Lynch-
Hospital, the Rehabilitation
Institute of St. Louis and St.
Louis Children's Hospital. "This
study only involved one person,
and further research is needed to
see if such techniques also are ef-
efective for others with spinal cord
injuries."

The research was a collabora-
tive effort between the
Department of Neurology, the
Division of Bone and Mineral
Diseases and the Mallinckrod
Institute of Radiology.

Reeve fractured his neck in an
equine accident in 1995 when he
was 42. His spinal cord injury was
classified as the most severe type
of injury with complete quadriple-
gasia-known as tetraplegia, which is paralysis of all four limbs.

Even optimistic specialists believe that recovery is possible within the first six months to two years after injury. But unlike most patients with the con-
tinued condition, Reeve began an aggres-
sive exercise program while he was
still in rehabilitation in 1995.

Reeve began a series of evalua-
tions at the medical school in the
fall of 2000. The medical school's approach to spinal cord rehabilita-
tion has three main goals: first, to
help paralyzed individuals exercise
and thereby receive the strength
and fitness benefits of physical
activity; second, to help any
undamaged nerve cells function
more efficiently; and third, to
encourage new cells to grow.

During those goals, the team
combines several therapies includ-
ing functional electrical stimula-
tion (FES), bone density treatments
and aquatherapy.

"Our goal is to make recovery
from spinal cord injuries feasible
for option for most individuals," Dr.
McDonald said. "I believe rehab-
ilation is providing a positive
home-based, lifelong process
that almost anyone with determin-
ation and proper medical care
vision can achieve.

Researchers continue to use a
carefully designed FES exercise
bike that the patient rode for
weeks, which was part of his pre-
vious regimen. A computer sends
electrical signals to his hands, similar to what the brain does
normally. This electrical stimula-
tion causes the leg muscles to
contract and pedal the bike.

FES also was applied to Reeves
other muscles, including his arms
and abdominals. The research
team theorized that simulating
normal movements will encourage
spinal cells that still are intact to "remember" what it's like to be involved in movement.

Regular exercise also provides
basic, physical benefits, including
building muscle mass and improving density. By combining FES-assist-
ed exercise with spinal cord drug
treatment, Reeve successfully accelerated his previous severe orthoparesis and now has normal
balance.

Once Reeve could make small
movements, he began aquather-
rapy at the Garth Rehabilitation
Center in Connecticut. Since
gravity's effects are dramatically
reduced under water, movements are enhanced and it is easier to practice any recoveries.

In 1999, Reeve still had no
motion or sensation on his
injury.

But now he can feel light
touch and pinpricks on about 65
percent of his body and has regained about 20 percent of
motor function. That means that he can move more of his
joints when gravity is reduced and can move some in spite
against resistance, the best of which are his right wrist, left
fingers and arm.

His motor improvement is
about four times better than the
results in patients who receive the
drug methylprednisolone within
eight hours of injury, which is the
only documented way to inter-
vent.

Reeve's ability to feel touch has
given him the greatest impact on his
daily life. For instance, now he can
ride his bike when he should shift his
weight and can sit in a wheelchair for
longer periods.

The study also reports that
Reeve's general health and quality of
life have significantly improved.
Before, 1999, he experienced
numerous hospital admissions and
required about 600 days of antibiotic treatment. As a result, his ability to commit to work
projects and to participate in life
having deteriorated.

While it is impossible to deter-
mine the biological cause of phys-
cial recovery, secondary care
study, researchers at the medical school are hoping to
other studies to determine whether regenerative and repair of
nerve system cells may be
possible for these clinical results.

They also are analyzing an
outpatient, prospective, randomized clinical trial of this
physical and functional benefits of the therapy.

Employee Watch

The following faculty are reported to University Police Sept. 10. Report
with information that that could assist in investigating these incidents are urged to call 896-3555. This information is printed in
public safety; University Police list is available on the

Sept. 3
8:30 a.m.—An unknown per-
son took an oil painting of
Edward Hopper instead of
a wall on the first floor common
area of the Danforth House.
The painting is estimated at $900.

Sept. 6
4:10 p.m.—An employee
rereported an unknown
person stole a Cannon digi-
tal cam-
ena from Briny Hall. Total loss is estimated at $3,050.

Sept. 9
9:52 a.m.—A student reported
that his Sony Discman was
stolen from the second floor-
floor common area at the
Danforth House. Total loss is estimated at $170.

Additional University Police
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Two, reports of fin-
and one report of a
vehicle was

report.

losses,
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vehicle,
property, damage
and animal,

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WASHINGTON UNIVERSITY IN ST. LOUIS

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86
WASHINGTON UNIVERSITY IN ST. LOUIS
We are one nation, united by differences.

Frank K. Flinn, Ph.D., adjunct professor of religious studies in Arts & Sciences and a noted authority on religious thought and expression, wrote on his experience of Sept. 11 and his hope that the United States was visited, by what is, virtually, a wake of terror and destruction.

On the morning of Sept. 11, was on a Delta Air Lines flight from Barcelona to Atlanta. About 10 a.m. New York time, I sensed the plane was flying well, so I deduced that the plane was no longer heading toward the American continent. In fact, it was heading away from me. I spotted islands. Having once landed at this spot in the Atlantic Ocean, I deduced again that the plane was going to land in the Azores. The plane was flying well, so it occurred to me that something else was going on. Maybe a hijacking, I thought.

At that moment, the captain's voice came over the speaker system: "We are all right," he assured us. "Nothing is wrong with the plane. We are going to be landing shortly at Madrid. This is just as quickly as possible. The stewardess will be returning with assi..." I don't know why, but I was glad to hear that. Once, when we were in the waiting room of the airport, we were all huddled into the waiting room of the airport. Then the captain told us that what had happened in New York and that the plane was being held for a bomb. We made our way into the airport restaurant just as the cleaning towers of the World Trade Center flickered over the horizon. The plane was empty. I heard something about the passengers being checked for a bomb.

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Sept. 11: memory; love won a great victory here.

Art as a means of expression!

The 300-square students and faculty in the School of Architecture — including first-year students Anisha Baldwin-Metzer (left) and Sara Morgan — marked the anniversary of the Sept. 11 terrorist attacks with an all-school, afternoon-long design forum. In groups or individually, participants prepared visual responses to the tragedy in the medium of their choice, working abstractly or figuratively, in color or in black and white, using words, images or any combinations thereof. The afternoon concluded with an impromptu hanging of all drawings in the main lobby of Givens Hall, where they will remain on view for one week.

"Many of our students made their desire to uphold the relevance of art as a means for expressing that which is inexplicable in words," said Peter MacKeith, associate dean in the School of Architecture, "whether you call it shock or horror or grief."
Teresa Vietti, M.D., studies a blood smear with Katherine Tassi, a third-year medical student, during Tassi’s oncology/hematology rotation. "I love teaching," Vietti says. "I love taking the medical students aside and teaching them about childhood blood and cancer diseases."

Putting children first

Teresa Vietti, M.D., devotes her life to helping kids with cancer and mentoring medical students.

By Kimberly Leding

Teresa Vietti, M.D., blankets in hospital and 1,200 outpatients. During her teaching post, she directed a large leprosarium where she cared for 120 patients in the beginning of her medical career, she was meant for planting. Unfortunately, the wheat contained a fungicide that triggered a toxic reaction. Adults developed pink skin lesions, but young children were dyes.

While Teresa was teaching young physicians in Turkey, she spent five years as a medical missionary in Vietnam. Deep inside the South Vietnamese jungle, she directed a large leperosarium where the cured for 120 patients in the hospital and 1,200 outpatients. On a late May evening in 1962, community guerrillas raided the leprosarium, capturing Ardel and her staff. Now — after almost 30 years — Ardel Vietti remains the only American woman still unaccounted for from the Vietnam War.

Vietti's two degrees, Twin flames. The illness that drove Vietti to pursue medicine in the wake of a sister's cancer was a tumor she shared with her twin sister. After graduating from medical school, the Vietti twins were hired to foreign lands by the "I went back to the hospital and saying, 'You spent money in one on one patient that I do in my whole hospital;' Vietti says.

Child care