A Transformation in Law
Professor Karen Tokarz helps shape the lawyers of tomorrow, focusing on alternative dispute resolution, not trials.
A Flair for Fashion  Senior fashion design student Hillary Smith designed this Valentino-inspired evening gown, worn by senior Liz Walworth. Made of navy silk charmeuse and jacquard, the gown features a light-blue printed, detachable train. Smith was one of 13 student-designers from the Sam Fox School of Design & Visual Arts showcased in the school's 81st annual Fashion Design Show, titled “Fashion & Flash,” on May 1. The school is home to the nation's oldest four-year fashion design program.
Lewis Wolff, MBA ’61, is CEO of Wolff Urban Development. He also has fun owning the Oakland A’s and San Jose Earthquakes (pg. 24).

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Complementing his success in real estate and urban development, Lewis Wolff, MBA ’61, enjoys owning professional sports teams, such as the Oakland A’s.

27 Generating Enthusiasm for Scientific Exploration
Robert Panoff, MA ’79, PhD ’85, founded Shodor Education Foundation in the mid-1990s to change and ultimately improve math and science education.

30 An Instrument of Harmony
To Aurelia Hartenberger, PhD ’81, music and art help us understand diversity. Her collection of nearly 3,000 world music instruments reflects a deep appreciation for global cultures.

Meds & Food for Kids, founded in 2004 by Patricia Wolff, MD, professor of clinical pediatrics at the medical school, is among the organizations and individuals affiliated with the university assisting with relief efforts in Haiti (pg. 10).
Jubel Scholar engineers life of leadership

Eager to become an engineer, Jessica Stigile, Class of '10, finished high school early and came to Washington University at the age of 16. "As soon as I set foot on the Danforth Campus during a visit, I felt at home," she says. "The university's commitment to the educational experience clearly showed, and I knew in my heart that no other institution could match it."

One small catch: Stigile grew up in a single parent family, so "affording college was not a possibility," she says. However, after receiving the Elvira Jubel Engineering Scholarship from the School of Engineering & Applied Science, Stigile could pursue her dream. She recently completed a bachelor's degree in systems engineering, and she is working toward a master's degree in systems science & mathematics.

"After graduation, I want to work in the defense industry developing technologies to protect our country's future," she says. "I also hope to inspire other women and students from disadvantaged backgrounds to enter technical fields."

At the university, Stigile serves as president of the Society of Industrial and Applied Mathematics and is a member of the Department of Electrical & Systems Engineering's Student Advisory Board. She also co-founded the Student-Alumni Ambassador Program. "Washington University encourages students to learn outside of the classroom through community service and student organizations," Stigile says. "Being in such an environment inspired me to see past the issues that directly affect me, become a leader among my peers, and bring about change in my community."

These qualities are evident in Stigile's plans for the future. "After graduation, I want to work in the defense industry developing technologies to protect our country's future," she says. "I also hope to inspire other women and students from disadvantaged backgrounds to enter technical fields."

Stigile is grateful for her scholarship and the opportunity to pursue higher education. "Being a part of the Washington University culture helped me grow into a responsible, open-minded individual," she says. "I hope to provide someone with a scholarship so that he or she too can experience this."
30,000-year-old teeth show ongoing human evolution

According to a common perception, once modern humans appeared more than 50,000 years ago, little has changed in human biology. As a result, in consideration of the biology of late archaic humans, such as the Neandertals, it is common to compare them to living humans and largely ignore the biology of the early modern humans.

In this context, a team of researchers, including Erik Trinkaus, the Mary Tileston Hemenway Professor in Arts & Sciences and professor of anthropology, reanalyzed the complete immature dentition of a 30,000-year-old child from Portugal.

The study investigated tooth formation and proportions of enamel, dentin and pulp. The patterns found fit those of the preceding Neandertals, and they contrast with the ones known for later 12,000-year-old Pleistocene and living modern humans.

These “early modern humans” were modern without being “fully modern,” Trinkaus says. In fact, human anatomical evolution continued after they lived 30,000 to 40,000 years ago.

Engineering school breaks ground for Green Hall

Steven F. Brauer (left), chair of the Board of Trustees, and Chancellor Mark S. Wrighton (right) present Nancy Green with a commemorative shovel during the groundbreaking for a new School of Engineering & Applied Science building. Preston M. Green Hall will be named for Green’s late husband, an alumnus of the School of Engineering. Green Hall will include space for the Preston M. Green Department of Electrical & Systems Engineering.

Elimination of parasitic diseases studied

The School of Medicine received a five-year, $13 million grant from the Bill & Melinda Gates Foundation to improve efforts to eliminate two parasitic diseases: elephantiasis and river blindness. These diseases belong to a group of infections known as neglected tropical diseases, which collectively have a health impact comparable to HIV and malaria.

“This project will work to optimize treatments that already are being used to help hundreds of millions of people,” says principal investigator Gary Weil, professor of medicine and of molecular microbiology at the School of Medicine. “We have simple and cost-effective treatments for many neglected tropical diseases, and for a cost of about 50 cents per person, we can alleviate a tremendous amount of human suffering and disability and potentially eliminate some of these diseases permanently.”

The project is believed to be the largest global health grant so far to the university.

According to the World Health Organization, lymphatic filariasis is a leading cause of disability worldwide, infecting an estimated 120 million people. This can lead to the disfiguring and disabling leg swelling known as elephantiasis.

Onchocerciasis, also known as river blindness, occurs mainly in Africa and infects an estimated 20 million people and results in blindness in approximately 300,000.
Kansas City, here comes Olin

The Olin Business School is bringing executive education to Kansas City in 2010, ranging from one-day open-enrollment seminars to an Executive MBA degree.

Mahendra Gupta, dean and the Geraldine J. and Robert L. Virgil Professor of Accounting and Management at Olin, welcomes the cross-state outreach as a means to better serve the school’s alumni and other business professionals in Kansas City.

Panos Kouvelis, senior associate dean and the Emerson Distinguished Professor of Operations and Manufacturing Management, serves as director of executive programs at Olin Business School.

"We are very excited about offering our programs to the Kansas City business community," Kouvelis says. "Professionals from around the world attend our courses in St. Louis and Shanghai, and now we can include our friends across the state in our growing network of business leaders."

Olin’s executive education programs in Kansas City will offer professionals a variety of opportunities to accelerate career advancement; differentiate business skills; and learn about the latest in management, strategy and leadership.

For more information, visit http://olin.wustl.edu/ExecEd.

Preventive health care for Hispanics examined

The Prevention Research Center (PRC) in St. Louis is launching a multinational research project focused on preventing the leading causes of death in Hispanics in the United States and Latin America.

The PRC in St. Louis, a collaboration between Washington University and Saint Louis University, will conduct a four-year, $2.8 million effort to apply and adapt evidence-based strategies for preventing heart disease, cancer, diabetes and obesity in the United States, Mexico and Brazil.

"By understanding strategies for physical activity promotion that work in Latin America, we will be better able to address the needs and preferences of Hispanic populations in the United States," says Ross C. Brownson, project director and a professor at the School of Medicine and the George Warren Brown School of Social Work. "Based on results from an earlier study, 'public gym' programs in Brazil are serving as models in communities with Hispanic populations in San Diego. We hope to expand our knowledge on how best to reach these groups in other U.S. locations."

The research project is funded by the Centers for Disease Control and Prevention’s National Center for Chronic Disease Prevention and Health Promotion.

Researchers are currently disseminating results from the previous study to communities, institutions and public health professionals in Brazil and across Latin America. They will teach school administrators and public health and medical professionals the latest approaches to physical activity. The researchers also will evaluate innovative exercise programs in schools and parks in Brazil.

Junior wins Jeopardy! College Championship

Nick Yozamp, Arts & Sciences Class of ’11, won the 2010 Jeopardy! College Championship with a prize of $100,000. The St. Cloud, Minn., native emerged victorious after the two-week competition by outplaying 14 undergraduates from across the country. Yozamp is the first WUSTL student to win the title.

"I've watched hundreds of contestants being introduced on Jeopardy! from home, but to actually be one of those contestants was simply amazing," Yozamp says. "Seeing Alex Trebek in person walk through the set's glass doors and greet each of us is a moment that is permanently etched in my mind."

As for the cash prize, Yozamp plans on going to Nice, France, this summer as part of a study-abroad program. "My winnings will certainly pay for this trip," he says. "I intend to save the rest for medical school."
Tiny sensor measures nanoparticles

University researchers are devising ways to assess the impact of nanoparticles on the environment and human health.

As part of this effort, a team led by Lan Yang, assistant professor of electrical & systems engineering, developed a glass sensor that can detect and measure nanoparticles.

The sensor works on the same principle as a whispering gallery at St. Paul's Cathedral in London. If you stand under the dome facing the wall and speak softly, someone on the opposite side of the gallery is able to hear what you say.

In Yang's miniature version of the whispering gallery, laser light rather than sound travels round a tiny glass doughnut.

The physics of the circulating lasers favor certain frequencies of light, just as a violin string likes to vibrate at certain frequencies.

A particle that touches the outside of the glass ring disturbs the light traveling in the ring just enough to change the ring's favorite frequency.

Yang's whispering gallery sensor is superior to similar devices because the ring is optically nearly flawless. She achieves this near-perfection by reheating the glass rings after they are etched so that they reflow into smooth toruses.

The rings' perfection gives them a resonance as beautiful as the pure tone from the finest musical instrument, says Jianguo Zhu, a graduate student in Yang's lab.

Because of the rings' flawlessness, the scientists can detect subtle differences between light waves traveling clockwise and counterclockwise around the ring that were invisible to earlier devices.

Yang's whispering gallery sensor is superior to similar devices because the ring is optically nearly flawless.

Museum's interactive site 'talks back'

The Mildred Lane Kemper Art Museum expanded its "Spotlight" series to include an interactive online component called "Spotlight: Talk Back." The site allows a wider appreciation and discussion of selected works from the museum's collection and special exhibitions. And it fosters dialogue about art between experts and non-experts. Featuring casual conversations with art scholars, the online addition encourages visitors to join in the discussion by sharing their own thoughts, which, in turn, will inform subsequent conversations on the site.

The "Spotlight" series aims to enhance enjoyment of and accessibility to the museum's collection through new scholarship and interactive tours. The Kemper "Spotlight" series features an essay — authored by a curator, educator, faculty member or graduate student — offered in conjunction with a public gallery talk. For more information, visit http://www.kemperspotlight.org.

The Mildred Lane Kemper Art Museum's Florence Steenberg Weil Sculpture Plaza is home to several large sculptures, including Aristide Maillol's Homage à Debussy (c. 1930, cast bronze, 35 x 20 x 37" Gift of Mr. and Mrs. Morton D. May, 1969).
Corn genome decoded

A team of scientists led by the Genome Center at the School of Medicine decoded the DNA of the corn genome, an accomplishment that will speed efforts to develop better crop varieties to meet the world's growing demands for food, livestock feed and fuel.

"Seed companies and maize geneticists will pounce on this data to find their favorite genes," says Richard K. Wilson, director of the Genome Center, who led the multi-institutional sequencing effort. "Having the complete genome in hand will make it easier to breed new varieties of corn that produce higher yields or are more tolerant to extreme heat, drought or other conditions."

Corn, also known as maize, is the top U.S. crop. Its genome is a hodgepodge of some 32,000 genes crammed into just 10 chromosomes. In comparison, humans possess 20,000 genes dispersed among 23 chromosomes.

The genetic code of corn consists of 2 billion bases of DNA, the chemical units that are represented by the letters T, C, G and A, making it similar in size to the human genome, which is 2.9 billion letters long.

The challenge for Wilson and his colleagues was to string together the order of the letters, an immense and daunting task both because of the corn genome's size and its complex genetic arrangements.

The corn genome data is freely available to the public at http://maizesequence.org.

Athletics at a glance

1. Final ranking of the women's basketball team — the 2010 NCAA Division III National Champions. The title is the fifth in program history for the Bears (see back cover).

2. Number of swimming and diving national championships won by Alex Beyer (pictured), Arts & Sciences Class of '10. After winning the 400-yard individual medley in the 2010 NCAA Division III Championships, Beyer became the first student-athlete in university history to capture two national titles.

238. Number of career wins (a school record) for John Watts, Engineering Class of '10, of the men's tennis team. Watts won the 2010 Division III Singles National Championship.

1,071. Number of career points for graduate student Jaimie McFarlin of the women's basketball team. She is the 10th player in school history to reach 1,000 career points.

6:05:05. Winning time of the men's 400-free relay team in the 2010 UAA Swimming and Diving Championships. Team members include Mark Minowitz, Engineering Class of '13; Dan Arteaga, Arts & Sciences Class of '10; Kartik Anjur, Arts & Sciences Class of '11; and David Chao, Engineering Class of '11.
Law school assists federal mediation in Kirkwood incident

C.J. Larkin, senior lecturer and administrative director of the law school's Dispute Resolution Program, and several law students helped the federal government mediate an agreement in Kirkwood, Mo., to address perceived citizen disenfranchisement.

Larkin and the law students worked with William Whitcomb of the U.S. Department of Justice (DOJ), Community Relations Service, on the project. The 14-page mediation agreement resulted from an almost two-year process following an incident at a Feb. 7, 2008, city council meeting in which a Meacham Park resident went on a shooting rampage, leading to the deaths of seven people.

After community representatives and city officials signed the agreement, the Kirkwood City Council adopted the resolution.

Former law students Ross Blankenship, Stephanie Huang and RaNae Dunham Inghram provided process design, research, drafting and documenting assistance.

The agreement covers specific areas that address concerns over "differing racial perceptions" and includes improvements to the city’s Human Rights Advisory and Awareness Commission, Kirkwood Police programs and home-improvement program.

"The entire project served as a tremendous learning experience for the students and for me," Larkin says. "We watched the process we helped design with DOJ unfold in a series of dynamic meetings over the course of 20 months. We came away with great respect for everyone involved."

Larkin says they saw how important mediation principles are in the real world — agreeing on a fair process; empowering the participants; listening respectfully; identifying important interests; coming up with creative options; and finding practical, workable solutions.

"It took a lot of work and thoughtfulness on the part of the mediation teams," she says.

Student’s Live3D maps bring Google Earth to life

The Eiffel Tower and other world-class icons viewable online via webcams are getting a new three-dimensional look thanks to an innovative, browser-based application. The application was unveiled by Austin Abrams, a doctoral student in computer science in the School of Engineering & Applied Science.

"We wanted to make Google Earth a little more alive," Abrams says.

Google Earth may put conventional maps to shame, but its satellite and aerial imagery shows the world as it used to be.

Abrams' browser-based application, called Live3D, offers online visitors a method to replace the usually static "skin" of virtual buildings and other features with images from the Archive of Many Outdoor Scenes (AMOS), a collection of live feeds from hundreds of webcams around the world.

The Live3D system maps 2D webcam images onto a 3D model of a location or landmark. For example, at night it clothes the Eiffel Tower with the same light-studded darkened surface seen by the webcam.

Visit amos.cse.wustl.edu/live3D/viewAll to take part in the project by calibrating one of the uncalibrated webcams.

Honors

GERALD L. ANDRIOLE JR., chief of the Division of Urologic Surgery at the School of Medicine, the Siteman Cancer Center and Barnes-Jewish Hospital, was named the inaugural Robert Killian Royce, M.D. Distinguished Professor in Urologic Surgery.

ANDREA J. GRANT, AB '71, JD '74, a partner with DLA Piper in Washington, D.C., was elected to the Washington University Board of Trustees.

PANOS KOUVELIS, the Emerson Distinguished Professor of Operations and Manufacturing Management and director of Olin Business School’s Boeing Center for Technology, Information and Management, was named senior associate dean and director of executive programs at Olin.

DAVID J. MURRAY, the Carol B. and Jerome T. Loeb Professor and head of medical simulation at the School of Medicine, was named chief of the Division of Pediatric Anesthesiology and anesthesiologist-in-chief at St. Louis Children’s Hospital.

RALPH S. QUATRANO, former dean of the Faculty of Arts & Sciences and the Spencer T. Olin Professor of Biology, was named dean of the School of Engineering & Applied Science effective July 1, 2010.

GAYLYN STUDLAR, director of Film and Media Studies in Arts & Sciences, was named the David May Distinguished University Professor in the Humanities.

NEILL WRIGHT, associate professor of neurological surgery and of orthopedic surgery, was named the Herbert Lourie Professor in Neurological Surgery.

CHANCELLOR MARK S. WRIGHTON received the Right Arm of St. Louis Award from the St. Louis Regional Chamber & Growth Association.
Washington University, St. Jude team to unravel genetic basis of childhood cancers

Washington University School of Medicine and St. Jude Children's Research Hospital announced an unprecedented effort to identify the genetic changes that give rise to some of the world's deadliest childhood cancers. The team joined forces to decode the genomes of more than 600 childhood cancer patients.

The St. Jude Children's Research Hospital—Washington University Pediatric Cancer Genome Project is the largest investment to date — estimated to cost $65 million over three years — aimed at understanding the genetic origins of childhood cancers. Scientists involved in the project will sequence the entire genomes of both normal and cancer cells from each patient, comparing differences in the DNA to identify genetic mistakes that lead to cancer. Kay Jewelers, a long-standing supporter of St. Jude Children's Research Hospital, committed to providing $20 million as lead sponsor of this project.

"We are on the threshold of a revolution in our understanding of the origins of cancer," says William E. Evans, St. Jude director and CEO. "For the first time in history, we possess the tools to identify all of the genetic abnormalities that turn a white blood cell into a leukemia cell or a brain cell into a brain tumor. We believe it is from this foundation that advances for cancer diagnosis and treatment will come."

Memphis-based St. Jude houses one of the world's largest and most complete repositories of biological information about childhood cancer. These samples are essential to understanding the origins of cancer. The tissue bank also helped St. Jude scientists develop the experimental models expected to be important for determining which mutations drive cancer's development and spread.

The collaboration focuses on childhood leukemias, brain tumors and tumors called sarcomas.

St. Jude will provide DNA from tumor and normal tissues of patients; Washington University's Genome Center will perform the whole-genome sequencing; and both will participate in validation sequencing. Researchers at both institutions will collaborate to analyze the data and make the information publicly available once validated. Prior research indicates that the genetic abnormalities in childhood cancers will differ from those in adult cancers.

"This extraordinary partnership will add a new dimension to our understanding of childhood cancers," says pediatric geneticist Larry J. Shapiro, executive vice chancellor for medical affairs and dean of the School of Medicine. "A genome-wide understanding of cancer offers great promise for developing powerful new approaches to diagnose and treat cancer or perhaps even to prevent it. The project will yield key genetic information that may ultimately help physicians choose the best treatment options."

Scientists at Washington University's Genome Center pioneered whole-genome sequencing of cancer patients' genomes. In 2008, Richard Wilson, director of the center; Elaine Mardis, co-director of the center; Timothy Ley, the Alan and Edith Wolff Professor of Medicine; and colleagues became the first to decode the complete genome of a cancer patient and trace the disease to its genetic roots.

For more information, visit http://pediatriccancergenomeproject.org.
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The Gasts have created a Washington University Charitable Gift Annuity. Recognizing the importance of endowment, the couple is using the annuity to fund the David P. & Carol G. Gast Endowed Scholarship in the School of Engineering. The Gasts also add to the school's scholarship fund through a charitable remainder trust.

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Justin McClain, Engineering Class of 2010, Carol G. Gast and David P. Gast, A.B., B.S.E.E. '53; M.S.E.E. '54
Before the Jan. 12 earthquake, Meds & Food for Kids (MFK) produced seven tons of "Medika Mamba" (packets of ready-to-use therapeutic food) for malnourished children in Haiti. Since the quake, MFK has increased production, trying to serve as many children and now adults as possible.
In Haiti for the Long Haul

After an earthquake rocked Haiti in January, members of the university community answered the call to serve, assisting our beleaguered neighbors to the south. And their work continues...

BY CANDACE O'CONNOR

On Jan. 12, 2010, Steve Taviner, MSW ’08, operations officer of the nonprofit Meds & Food for Kids (MFK), was sitting with two other staff members in the house they share in Cap-Haïtien, 80 miles north of Port-au-Prince. It was the end of a long day, filled with the routine problems of running a factory in Haiti, the poorest country in the Western Hemisphere. One such problem had occurred the day before when Taviner was late picking up a vacationing associate, Jamie VanArtsdalen, BS ’09, BSME ’09, from the airport. Because of a rainstorm, the deeply rutted dirt roads had become impassible, forcing Taviner to drive across fields en route. When he explained all this to VanArtsdalen, she replied, with a good-humored shrug: “Oh, I see. Nothing has changed.”

On this day, the upheaval wasn’t caused by dirt roads. Taviner and VanArtsdalen were on a computer link tackling logistics with colleagues Patricia Wolff, MD, professor of clinical pediatrics at the School of Medicine, and Tom Stehl, MBA ’07, MSW ’07, operations coordinator, at MFK’s headquarters in St. Louis. Wolff, who founded MFK in 2004, established a factory in Cap-Haïtien to produce a ready-to-use therapeutic food (RUTF) that had shown dramatic results in malnourished children.
The key ingredient of RUTF is peanuts, which MFK acquires from local Haitian farmers. Other ingredients — dried milk, sugar, oil, vitamins and minerals — come to Haiti from the United States via the Port-au-Prince harbor. Once MFK produces packets of RUTF, they return many of them to the capital for storage, ready for distribution to hospitals, clinics and NGOs. Already, this RUTF, called "Medika Mamba" (peanut butter medicine) by Haitians, had saved the lives of some 15,000 children.

Then came Jan. 12. Taviner and VanArtsdalen were in the midst of their conversation with Wolff and Stehl when everything began to shake. For 90 seconds or so the rattling continued, though not hard enough to upset furniture. The event was surprising, but not too frightening. "When the shaking ended," Taviner says, "we sat back down at the table and said to Tom: 'Guess what! There has been an earthquake.'"

Lora Iannotti, PhD

At that moment, Washington University nutrition expert Lora Iannotti, PhD, was sitting with colleagues on the patio of a restaurant in Port-au-Prince, where they had attended meetings that day. She was staying in Leogâne, 18 miles away, at a guesthouse operated by an aid group, the Children’s Nutrition Program (CNP). Feeling the first shocks, she and her group ran to the safety of the street. They could not know it, but back in Leogâne, close to the quake’s epicenter, shocks had caused major structural damage to the hospital and leveled the CNP offices and guesthouse. If Iannotti had been there, she would almost certainly have been killed.

Two days earlier, she had come to Haiti with a research planning mission: to sort out the details of a study to be undertaken with MFK and CNP to evaluate the effectiveness of Medika Mamba delivered in combination with another CNP program, Positive Deviance/Hearth. CNP scours communities to find needy children who are healthy, despite their poverty, and asks those families how they do it; then they incorporate these lessons into prevention sessions for others in the community.

"CNP was using this approach and increasing children’s weight, but they weren’t making improvements in height," says Iannotti, assistant professor at the George Warren Brown School of Social Work. "That difference probably indicates a hidden hunger problem, deficiencies

"In this organization, you see a direct correlation between your effort and the impact. It is not the same as intellectualizing about poverty," Tom Stehl says.
Helping Haitians at a Tent Hospital in Petit-Goâve

Members of the School of Medicine and Barnes-Jewish Hospital (BJH) supported Haitian relief efforts in multiple ways. Some traveled to Haiti themselves. In 2008, Caleb Trent, MD, then a medical student in Tennessee, co-founded a not-for-profit, Aid for Haiti (AFH), to help Haitians with goiter problems. Now a second-year emergency medicine resident at BJH, Trent activated AFH after the quake with a more general mission: to help sick and injured Haitians at a tent hospital in Petit-Goâve, 42 miles west of Port-au-Prince.

Using vacation time and paying their own expenses, he and seven other residents, plus one nurse, took turns coordinating medical care at the makeshift hospital. When they faced a break in coverage, Liza Halcomb, MD, assistant professor of emergency medicine, filled the gap. She and her father, retired St. Louis neurosurgeon Robert Dunn, MD, traveled to Haiti for a six-day stint, helping to treat from 125 to 400 Haitians each day.

Halcomb, who has lived and worked in many parts of the world, was still overwhelmed. "There is no way to describe what Port-au-Prince was like," she says. "It is an enormous city, heavily populated, and it was flattened — just flattened. The pictures don't do it justice. And the desperation was palpable."

In Petit-Goâve, they saw some critical cases, which they had to treat without diagnostic technology. One Haitian man, fighting over water, had a 100-pound jug dropped on his chest; the medical team, guessing he had a collapsed lung, managed to reinflate it just as he stopped breathing. A beggar had suffered with an open fracture of two fingers for a whole month without treatment.

"Doing good for these patients is a pretty fantastic experience," Trent says.

Tom Stehl

Back in St. Louis, Tom Stehl was out of harm's way but soon engulfed by another kind of trouble. As the scope of the disaster unfolded, he had to deal with the operations side of MFK's work. Its factory and staff in Cap-Haïtien were fine, but what about MFK's depot in Port-au-Prince, filled with four tons of Medika Mamba? How was Papillon, the depot manager? Had a precious container load of raw materials, newly arrived at the port, survived the quake?

"We were caught in the fog of disaster," says Stehl, who was frustrated with cell phone coverage being down in Haiti for weeks after the quake. "We were enshrouded in it and didn't quite know what was up and what was down."

But Stehl was in a good position to respond. As a graduate student, he had discovered MFK and, with fellow students Scott Elsworth, MBA '09, JD '09, and Cynthia Wachtel, MBA '07, devised a business plan for the nonprofit that won the university's inaugural Social Entrepreneurship and Innovation Competition. (The competition is sponsored by the Skandalaris Center for Entrepreneurial Studies at Washington University and the YouthBridge Community Foundation.) Also, in his last months of school, Stehl helped Wolff put together a proposal that won the prestigious World Bank Development Marketplace competition; he then joined the MFK staff.

"In this organization, you see a direct correlation between your effort and the impact. It is not the same as intellectualizing about poverty," Stehl says. "We make a product that saves children's lives. The outcome is so tangible, and that keeps me motivated."

A few days after the quake, Stehl received a scrap of good news. Papillon got through — he was hurt but alive, and heading to the United States for treatment. While the depot had survived, a neighboring school had collapsed, and its debris had damaged one of the depot's walls. Would it stand until MFK staff could retrieve the contents?

Then Stehl got word from the port: only four containers had made it through the quake — and MFK's was not likely to be one of them.
Patricia Wolff, MD

Two days after the quake, Patricia Wolff, MD, left St. Louis for Haiti. Since the summer of 2006, she had been traveling to the country on a regular cycle: three weeks there to oversee factory operations, then three weeks back in St. Louis to tend her busy pediatric workload. It is a grueling pace, but Wolff was profoundly shaken by her first trip to the country in 1988 and decided then to help.

"It was like being at the scene of an accident: You couldn't avert your gaze," Wolff says. "You just thought: 'There must be something we can do here.'"

Wolff, who began taking annual medical mission trips to Haiti in 1991, saw that many children had a hard time fighting disease because they were malnourished. In response, she asked her colleague, Mark Manary, MD '82, the Helene B. Roberson Professor of Pediatrics, about bringing to Haiti the RUTF product he had pioneered in Malawi.

Her new organization, Meds & Food for Kids, founded in 2004, would produce this Medika Mamba and rescue Haitian children, but it would also focus on sustainability. To make a dent in Haiti's sky-high unemployment rate, MFK would hire Haitian workers for its factory. They also would buy Haitian products, whenever possible, and bring in experts to teach improved farming techniques. By the end of 2009, MFK was producing seven tons of Medika Mamba each month.

So as soon as she arrived in Cap-Haitien after the quake, Wolff immediately began trying to increase Mamba production. Already, some 250,000 Haitian children were malnourished, and that figure would certainly soar after this crisis. "This is such a tragic place to begin with, and now it seemed apocalyptic," she says. "Our mission was to make as much Mamba as we could and deliver it as quickly as possible to people who could use it."

"Our mission was to make as much Mamba as we could and deliver it as quickly as possible to people who could use it," says Patricia Wolff, MD.

Right away, Wolff got word that surviving hospitals in the capital — such as Gheskio, which had 6,000 hungry people camping on its grounds — desperately needed Mamba. And these institutions had a new use for it: as a nutritional supplement for adults and children, poorly nourished before the disaster, who now could not heal from huge wounds or amputations without a boost in nutrition. Orphanages and CNP in Léogâne also called for more.

MFK urgently needed access to the Mamba stored in the Port-au-Prince depot. When Wolff heard that a British ambulance driver was planning a run to the capital, some eight hours away due to bad road conditions, she dispatched Steve Taviner to ride along. Once there, Taviner saw the horrifying scale of the damage: buildings — such as the Ministry of Health, where he had helped plan Haitian nutrition policy — lay in ruins; stunned people huddled around fires on street corners; the smell of rotting flesh pervaded the air.

But when Taviner reached the depot, he found a miracle: The damaged wall had not fallen, and the Mamba packets were dusty but intact. In two hours, he managed to deliver all of them to ecstatic clients; CNP alone got 1,600 kilos — enough Mamba to treat 150 malnourished kids for six weeks.

Back in Cap-Haitien, Wolff faced another dilemma. How could MFK boost production without the ingredients in the missing shipment? She then called in the help of Tom Stehl, still in St. Louis, who subsequently contacted MFK's suppliers and explained the difficulty. Their response astonished him.

"Everybody who had sold us raw materials donated new supplies," he says. "It was an incredible expression of generosity and shared humanity."

And that benevolence was just the beginning. The phone in the St. Louis office started ringing — and didn't stop for weeks. Companies, especially Scottrade, MEMC, Novus International and Nestlé S.A., made large donations. International Food Products (of St. Louis) donated raw materials; Romer Labs contributed laboratory supplies; and the Izumi Foundation, a longtime MFK supporter, called to help. And individuals, from children who donated bake-sale proceeds to adults who heard of MFK's story in the news, sent checks. Kelly Scott and Colleen Smith, MFK interns and Brown School students, spent long days processing contributions.

Then on Jan. 27 came the second miracle: The lost container had been found intact — and the authorities expedited its shipping to Cap-Haitien. Now MFK had plenty of materials to produce more Mamba. When Stehl called back the suppliers with the news, they all said the same thing: "Keep the additional ingredients and use them to help."

Students and alumni take action

This deep desire to help reverberated throughout Washington University, as students, faculty and alumni all generously supported relief efforts. On Jan. 19, Chancellor Mark S. Wrighton wrote to the university community that "the images and stories emerging from a country that is such a close neighbor to the United States are heart-wrenching." For anyone interested in donating, the university's home page listed several links to relief organizations, including MFK.

In coming days, Student Union — the university's undergraduate student government — coordinated a campus-wide campaign in which nearly 400 people donated some $7,000 to an online site, while student groups raised
Top: Cory Flanagin (left), BS '06, and Jamie Cummings, Class of '12, helped build a solar peanut dryer in 2009 with Engineers Without Borders. The project was designed to help farmers prevent the growth of a dangerous fungus. Flanagin and Cummings are among those headed back to Haiti this summer to work on an improved model. Above: To help with Haiti’s massive unemployment, Meds & Food for Kids hires Haitian workers. Here, two women sort peanuts for Mamba.

Engineers Without Borders

Washington University’s chapter of Engineers Without Borders (EWB), founded in 2005, wants to be part of the solution. As an undergraduate, EWB member Jamie VanArtsdalen traveled to Tanzania and learned about fixing medical equipment at a rural hospital. In August 2009, she arrived in Haiti on a yearlong fellowship with MFK that began by preparing the factory, currently located in a retrofitted house, for a successful food-safety audit.

Daily, she fixed machinery and sometimes called on experts in the United States to help. Back home over Christmas, she asked two retired engineers to help figure out a problem with MFK’s Hobart mixer, a vital piece of equipment. The glitch turned out to be a faulty bearing, which they promptly replaced.

“Sometimes it’s the sealing machine that has stopped or the peanut dryer that isn’t working,” she says. “There’s always the question of how are we going to patch something together and keep going.”

In spring 2009, two other EWB members — Jamie Cummings, Class of ’12, and Cory Flanagin, BS ’06 — along with Robin Shepard, MSMSE ’90, DSc ’96, adjunct instructor in chemical engineering, traveled to Haiti to volunteer at MFK. They wanted to test an idea for turning waste peanut shells into briquettes for fuel. They also tried to build an affordable solar peanut dryer to help Haitian farmers prevent the growth of aflatoxin, a dangerous fungus that ruins some 40 percent of their crop.

Developing the right kind of dryer proved tricky, so Cummings and others will return this summer to continue the work. Engineers Without Borders is also enlisting the help of engineering students Paula Davis, Nora Palitz and Emily Greenseth, along with architecture student Chris Gignoux, to create a prototype idea for a Haitian home as part of their senior design course.

The earthquake only made these needs more acute, they say. Like others who have visited Haiti, these students worry about what will happen next. After the rainy season comes hurricane season — and four hurricanes in 2008 did catastrophic damage to this beleaguered island.

“Haitians have a saying,” Steve Taviner says, “and you see it everywhere, painted all over the public transport: ‘L’homme propose et dieu dispose’ (man proposes and God disposes). The earthquake is a reminder of that. This is just one in a long line of challenges for Haiti, just part of the process.”

Candace O'Connor is an award-winning freelance writer based in St. Louis.

For the latest news on MFK's efforts, visit http://mfkhaiti.org.
Resolved to Make a Difference

For many years, Professor Karen Tokarz was the chief architect of the highly ranked Clinical Education Program at the law school. Now as director of the school's Dispute Resolution Program, Tokarz continues to stress to students the professional responsibilities of lawyers to both their clients and society.

BY JUDY H. WATTS
lawyers who are client-centered, zealous and passionate, but also focused on solving disputes creatively, efficiently and fairly — and in ways that preserve relationships as much as possible.”

And, it seems that many in society view this new professional role for lawyers and new direction in legal education as positive. Chancellor Emeritus William H. Danforth recently remarked: “I am especially taken with new ways that the law can be applied to reach compromises and make the world work better. I know some, of course, who have naturally pursued this course, but it is good to have it taught.”
Assuring access to legal representation

Tokarz, who earned a Doctor of Law from Saint Louis University and a Master of Laws from the University of California, Berkeley, was recruited by the Washington University School of Law in 1980 to build its Clinical Education Program. Over the years, she helped establish the school as a global leader in clinical legal education. The program consistently ranks in the top five in the nation. Through 12 national and international clinics and field placement programs — nine in St. Louis; one in Washington, D.C.; one in Delaware; and one that provides overseas placements — faculty-supervised law students work on behalf of low-income clients, nonprofits, government offices and the courts.

Tokarz, who also coordinates the Public Interest Law & Policy Speaker Series, is among the law school’s nationally known faculty who teach in the Clinical Education Program. In her course, “Civil Rights & Community Justice Clinic,” she and her clinic students collaborate with Legal Services of Eastern Missouri and other agencies in St. Louis on public health benefits, housing and immigration cases. She also coordinates the school’s new “International Justice & Conflict Resolution Field Placement” in partnership with international human rights authority Leila Nadya Sadat, the Henry H. Oberschelp Professor of Law and director of the Harris World Law Institute. Tokarz has placed students with the Legal Aid Board and Lawyers for Human Rights in South Africa, the Khmer Rouge tribunal in Cambodia, and the International Criminal Tribunal for Rwanda. For example, Sarah Placzek, a third-year JD/MSW student, worked at the Rwanda tribunal this past semester through the field placement program.

“Karen has worked with students to assist in the delivery of quality legal services to thousands of people who otherwise would have lacked access to justice,” says Kent Syverud, law school dean and the Ethan A.H. Shepley University Professor.

Recognizing her efforts, the university honored Tokarz with a Founders Day Distinguished Faculty Award in 2005.

Dispute resolution’s impact grows

Now, following a yearlong sabbatical spent as a visiting scholar at the Harvard Law School Program on Negotiation, Tokarz is embracing a new challenge: directing the law school’s Dispute Resolution Program and guiding it, too, to national pre-eminence.

“And Karen will do it!” Syverud says.

Despite his busy schedule, the dean teaches two negotiation courses each year, reflecting his conviction that dispute resolution is an essential tool for today’s new lawyers. The school’s dispute resolution curriculum is already robust and growing, including courses in business negotiation, family mediation, arbitration, pre-trial settlement, and game theory, as well as domestic and international internships. New faculty in the area include Rebecca Hollander-Blumoff, associate professor of law, who teaches law and psychology and advanced negotiation.

Tokarz brings to her directorship all the expertise and energy cultivated from her extensive accomplishments and service. Among them, she is a founding member of the Global Alliance for Justice Education and a leader in major professional and civil justice organizations.

In fall 2001, Tokarz went to South Africa as a School of Law Treiman Fellow; in summer 2008, she returned as a Fulbright Senior Specialist. Over the years, she has worked with the University of Kwa Zulu-Natal, in Durban, helping to foster clinical education and dispute resolution programs, a law student-exchange program and summer internships there for WUSTL law students.
[Professor] Tokarz says she chose to work in South Africa almost a decade ago in large part because South Africa’s movement from apartheid to full democracy — without open civil war and with a national commitment to a non-racialized society — attests to what “alternative dispute resolution” can do.

To date, more than 100 students have studied or worked with public-interest law offices in Africa.

While a student, Naomi Warren (photo, at left), JD ‘08, MSW ’08, took Tokarz’s “Civil Rights & Community Justice Clinic” and also spent a semester at the University of Kwa Zulu-Natal law school, where she interned with the Children’s Rights Centre under the supervision of Tokarz.

It couldn’t happen in a courtroom

Tokarz says she chose to work in South Africa almost a decade ago in large part because South Africa’s movement from apartheid to full democracy — without open civil war and with a national commitment to a non-racialized society — attests to what “alternative dispute resolution” can do. The Truth and Reconciliation Commission (TRC), established by President Nelson Mandela, was critical to the country’s political and social transformation, Tokarz believes.

“Certainly desperate problems still exist in South Africa, but most people believe the TRC served the country better than had there been massive, multi-year, criminal trials focused solely on punishing the perpetrators with no reconciliation efforts and no reparations for victims,” says Tokarz, also a professor in the African and African American Studies program and an affiliate professor in the Department of Women, Gender and Sexuality Studies, both in Arts & Sciences.

An internationally respected dispute resolution expert, Tokarz teaches mediation and mediates civil rights cases, frequently with her students in attendance. She cites one recent powerful example, out of hundreds, of how mediation and dispute resolution improve society. A high school coach had been sent to prison after pleading guilty to multiple counts of rape and sexual molestation of a female student. The family brought suit against the coach, the principal and the school district; the court appointed Tokarz mediator.

At the initial meeting, the family was enraged; the school officials were defensive; and the student declined to participate. Following “a difficult but successful mediation,” however, the parties reached a tentative settlement providing the daughter with funds for extensive counseling, college and graduate school. The next day both sides met again, and the student agreed to attend. Tokarz encouraged each to say what they needed “in order to feel heard.” The father, the mother and the brother all screamed at the school representatives and broke down crying. The school district apologized; everyone on that side also cried, including the insurance agent.

Beforehand, the student had developed with Tokarz a two-page list of steps the school district could take to ensure that such a situation would not recur in the future. Each measure was adopted.

Today, the daughter is doing well in college. The brother, now a high school teacher, travels to school districts with his mother, talking about what students, parents and officials need to know. “Trust me,” Tokarz says, “this outcome could not have happened in the courtroom.”

Judy H. Watts is a freelance writer based in St. Louis and a former editor of this magazine.

The New Lawyer: Preparing to Serve

Dean Syverud says Professor Tokarz has changed the Washington University School of Law and legal education around the world. “She has taught generations of students through hands-on learning how to provide access to justice,” Syverud says, “and many of those students have gone on to have path-breaking careers of their own in public service.” Here are snapshots of two third-year students influenced by Tokarz and well positioned to make a difference.

Sadena Thevarajah interned this past semester in the White House office of Valerie Jarrett, senior advisor and assistant to the president for intergovernmental affairs and public engagement, through the school’s D.C. clinic. She plans a career working with both communities and providers on reform “to change health-care access issues and health-care disparities resulting from systematic discrimination.” Earlier in law school, she interned for BJC HealthCare and worked on Medicaid appeals for children through Tokarz’s “Civil Rights & Community Justice Clinic.” In 2009, her team placed second in the American Bar Association “Representation in Mediation” national competition. She calls Tokarz “an amazing teacher and role model — the kind of community-focused, public interest lawyer I want to be!”

Joe Whitfield studied negotiation with Dean Syverud, then interned with Lawyers for Human Rights in Durban, South Africa, counseling and negotiating on behalf of refugees and immigrants, through Tokarz’s summer program. He studied dispute resolution in Hong Kong during the fall of his third year and, under Tokarz’s guidance, he researched the potential for using public dispute resolution with regard to land disputes in the region. “These experiences have convinced me that dispute resolution is a fundamental lawyering skill,” says Whitfield, who looks forward to a career as an international public policy negotiator. “And I’m blessed to know Professor Tokarz!”
CAUSES OF THE COLLAPSE

Assessing the current economic downturn, Anjan Thakor, professor of finance, analyzed intersecting phenomena that led to what he calls “infectious leverage.” His research has gained traction among financial regulators, and it may help avoid a future cataclysm.

BY SHULA NEUMAN

Across the United States (and globe), the Great Recession dispensed negative impacts that are hard to overlook. Massive personnel layoffs, hundreds of business and bank closings, and millions of home foreclosures now dot the country’s map. Yet some people cannot help but see an economic downturn as an opportunity.

Anjan V. Thakor, PhD, the John E. Simon Professor of Finance at the Olin Business School, is one such person. Please be clear: Thakor does not rejoice in the difficulties people are facing during this global crisis. However, as a longtime scholar of banking and finance, he recognizes the situation as a chance to study what caused the collapse, and whether or not it is something that could be avoided in the future.

“Prior to the crisis that began in 2007, we saw two interesting phenomena,” Thakor says. “First, household borrowing was at record levels. Second, in terms of book value, banks were extremely highly leveraged. This was happening at a time when nonfinancial corporations were de-leveraging.”

High rates of borrowing from both consumers and lenders led to a phenomenon that Thakor calls “infectious leverage.” He examined this in a theoretical paper that mathematically models both what happened and what the implications are for setting future economic policy.

Thakor explains that in the early years of the new century, home prices increased at a steady rate with the expectation that the trend would only continue. As a result, most of the leverage came from people borrowing against home equity. People were taking out loans to buy a house, only to flip the house in a very short time and make a substantial profit.
Anjan Thakor, PhD, the John E. Simon Professor of Finance at the Olin Business School, twice presented his research on the causes of the economic downturn to the Federal Reserve Bank of New York. Here, he is pictured outside the Federal Reserve Bank of St. Louis.

"From a bank's perspective, the higher the future price of the house, the lower the risk is that the borrower would default," Thakor explains. "Also, banks have an incentive to keep only as much equity capital as is necessary to absorb default risk and satisfy regulatory capital requirements, because keeping equity capital is costly. The less equity a bank has, the more return on equity it can expect."

According to Thakor, banks therefore kept lower capital during this period of high house prices because they perceived lower default risk from home buyers. "However, in leveraging so highly, the banks also had a greater risk of going under if their assumptions about future house prices turned out to be incorrect," Thakor continues.
Added to the environment were regulators who were not terribly vigilant about monitoring banks' portfolios. The system, therefore, became very fragile. Thakor calls it a perfect storm where the slightest negative economic shock could topple the whole configuration.

By autumn 2008, exactly that started to happen. "What happened wasn't a fluke," Thakor says. "It was highly correlated with the fact of high housing prices. We should expect to see a repeat of this unless we see regulation that prevents banks from making high loans or that limits leverage when things are going well."

Thakor acknowledges that the parallel pattern of consumer and bank leverage was not the only factor that led to the economic crisis, but he contends that understanding the underlying weaknesses in the banking system can help us understand what happened and help us avoid similar situations in the future.

In fact, Thakor's paper contains a prescription for setting policy that could minimize the deleterious effects of infectious leverage. For starters, he makes the case for regulators to impose higher capital requirements on banks. Thakor also advocates for tightening lending requirements so that banks are only lending to qualified borrowers with sufficiently high equity. Another recommendation is to examine the trade-off between imposing higher capital requirements on banks versus bailing out the banks that have failed by buying their equity.

"Requiring higher capital requirements up front is a better solution because it encourages banks to maintain higher equity," Thakor says. "The other option, injecting banks with capital after they've failed, creates a moral hazard. Banks know that they will be bailed out, so they can continue to over-leverage."

Thakor's work on infectious leverage has received a lot of attention from policymakers across the country and could influence banking regulation in the future. He twice presented his work to the Federal Reserve Bank of New York, as well as the Deutsche Bundesbank in September 2009.

It is too early to tell whether the regulators and economists he has spoken with will adopt his recommendations, Thakor says, but he plans to continue to work with them in an advisory capacity.
Requiring higher capital requirements up front is a better solution because it encourages banks to maintain higher equity," Thakor says. "The other option, injecting banks with capital after they've failed, creates a moral hazard. Banks know that they will be bailed out, so they can continue to over-leverage."

Thakor’s enthusiasm transcends research and teaching. Five years ago he assumed the mantle of senior associate dean and has been as dogged about getting results for Olin.

Serving under the current business school dean, Mahendra Gupta, PhD, Thakor engages in the usual array of duties, such as faculty recruitment and reviews, program reviews and seminars. True to form, however, he also tackles large projects. In 2007, he spearheaded revamping the Executive MBA program, something that has facilitated the program’s expansion from St. Louis and Shanghai into Kansas City.

Thakor also played a critical role in finding new leadership for the Weston Career Center. He oversaw the launch of a Master of Science in Finance program several years ago, and, thanks to its success, the school has now launched the new Master of Science in Supply Chain Management. Additionally, Thakor helped usher in Olin’s two new research centers, the Center for Finance and Accounting Research and the Institute for Innovation and Growth.

And that only encompasses his work at Olin.

When Thakor is not writing, teaching, presenting his research to policymakers or fulfilling his role as senior associate dean, he is active with the Financial Intermediation Research Society, a group he helped found in 2003. His work with the society is no small task. Until recently he was president of the international organization, which regularly receives 500 paper submissions for its annual meeting, and served as editor of the Journal of Financial Intermediation.

“Time is the big problem,” Thakor says without a trace of irony. “My work on infectious leverage has received a bit of attention. I was invited to the IMF to present my work, but it interfered with my teaching. Then I was invited to the Federal Reserve Bank of Chicago to talk about it and related work, but I’m discovering that I may not be able to do that either.”

Even Thakor may realize his limits, although given the impact of his work, many people are hoping that he finds a way to get around the “time problem.”

Shula Neuman is a freelance writer based in Seattle.
A Sporting Life

With keen intuition and decisiveness, alumnus Lewis Wolff built a highly successful career in real estate and urban development, and now has “some fun” owning professional sports teams, such as the Oakland A’s and the San Jose Earthquakes.

BY GRETCHEN LEE

Though owning a sports franchise can have an upside, Lewis Wolff, MBA ’61, admits that financial gain is not the best reason to buy into a team. Wolff and his partner, John Fisher, purchased the Oakland A’s in 2005 and now also own a Major League Soccer team, the San Jose Earthquakes. Previously, Wolff was part owner of the St. Louis Blues professional hockey team and was a partner in the National Basketball Association’s Golden State Warriors.

All this isn’t bad for a boy who grew up in University City, Mo., and rode the streetcar to Sportsman’s Park on Saturdays to watch the St. Louis Cardinals play.

A lifelong baseball fan, Wolff is friends with Bud Selig, commissioner of Major League Baseball. (Wolff and Selig are fraternity brothers from their days at the University of Wisconsin at Madison.) Selig, in fact, facilitated Wolff’s A’s purchase. As the two sat next to one another at a 2002 World Series game, Selig leaned over and suggested that Wolff talk with the A’s owners about buying into the franchise.

“These business decisions are not necessarily the kind where you are looking for a maximum rate of return,” Wolff says. “I think you have to be at a point in your life where you want to have some fun.”

And have fun he does — often bringing his older grandsons Drew, 14, and Arthur, 10, with him to the ballpark, letting them shag fly balls during batting practice and be in the locker room while Wolff returns to his A’s office. “I always say that I have the most expensive baby sitters in the world,” he jokes.

The capacity to own sports franchises did not happen overnight. Wolff, a developer and investor, first made his mark on real estate in the late 1960s with the creation of Park Center Plaza in San Jose, Calif. That challenging project has been credited with revitalizing the city’s deteriorating downtown.

As chairman and CEO of Los Angeles-based Wolff Urban Development, Wolff seems to rely on intuition to help keep business decisions moving in the right direction. “My philosophy is that the cost of indecision is greater than the cost of making a decision,” he says. “With the sophistication of analysis tools, you could study something forever. I push my people to punt rather than contemplate.”

He also likes to create partnerships, even letting others take the lead when appropriate. For example, Wolff’s personal experience with soccer was minimal at the outset of his relationship with the Earthquakes. His interest was piqued after attending the World Cup in Germany with several key people from the A’s, including General Manager Billy Beane — all of them rabid soccer fans. “Walking into the A’s office, you don’t just see baseball on the screens, you see soccer, too,” Wolff explains.
In 2006, upon learning that the Earthquakes franchise was available even though its players and coaching staff were moving to Houston, Wolff and Fisher purchased the option to revive the brand. By 2008, the team was back in the game, and staying in San Jose.

**Worldwide growth**

Back in the early 1990s, Wolff teamed up with fellow St. Louis native Philip Maritz to form Maritz, Wolff & Co., a real estate investment firm focused on top-tier luxury hotel and resort properties. The company now owns an interest in 18 hotels and resorts worldwide, including such well-known properties as the Fairmont in San Francisco, the Mansion on Turtle Creek in Dallas and the Ritz-Carlton in St. Louis — the place where, in 1992, Wolff and Maritz first met over breakfast to discuss going into business together.

“We started buying when rates were down and occupancies were low,” Wolff explains. “Our goal was to buy the best hotel in the particular geographic area we were in.”

Wolff and Maritz’s entrée into hotel ownership began during a recessionary period. “A lot of people who had never stayed in top-tier hotels were being exposed to them because the prices were reasonable,” Wolff says. “We thought that when the economy came back, some of the people who had tasted that extra bit of service and luxury would not be weaned away.”

Their strategy paid off. “We bought one hotel, I will not say which one, for $45 million, and within a few years, we sold it for $150 million,” Wolff says. Maritz, Wolff & Co.’s holdings grew to $1.5 billion in asset value.

**A modest beginning**

Wolff has come a long way from his early years. After marrying his college sweetheart, Jean, he moved back to St. Louis and began working as a real estate appraiser while attending the Washington University business school in the evening. He worked slowly but steadily toward an MBA until his last semester, when he took leave of his job so that he could manage an extra-heavy course load and graduate early. The couple had to scrimp and save in order to make do on her salary as a schoolteacher. Wolff also credits classmate Jim Briggson, BSIE ’59, MBA ’61, for “making me study,” Wolff says.

“We worked hard, but it was fun,” Wolff recalls of the years he spent at Washington University. “We were required to do an unbelievable amount of writing, creating case studies.”

He fully appreciates such vigorous Washington U. training and credits the emphasis on case writing with helping him to succeed in business. “I have a theory that he who writes the first draft, wins,” he says.

**No slowing down**

For the past 45 years or so, the Wolfes have made their home in Los Angeles. Jean is a sculptor. Wolff, now in his 70s, says he has no plans to retire. “Especially being in sports, I’m around a lot of young people and they keep you young,” he says.

The couple has three children, now grown. Son Kevin lives in Santa Fe, New Mexico; Keith works with his father and is president at Wolff Urban Development. Their eldest, Kari, lives in the San Francisco Bay Area and manages the family’s charitable giving.

If anything, Wolff’s life has intensified in recent years as he’s found himself at the center of a controversial move involving the Oakland A’s. After plans fell through twice to build a new stadium — first in Oakland and then in nearby Fremont, Calif., Wolff is now in talks to build a state-of-the-art, 32,000-seat stadium 37 miles away and on the other side of the San Francisco Bay, in San Jose.

Ultimately, it’s up to Commissioner Selig to decide whether to approve plans to move the team. But Wolff’s proposal created a stir. While the city of San Jose welcomes the move, fans in Oakland grumble about feeling abandoned. Meanwhile, supporters of the San Francisco Giants worry whether having two teams on the same side of the Bay might threaten attendance at AT&T Park in San Francisco.

The issue also triggered a flurry of newspaper articles, but Wolff learned early on to take the increased public attention in stride. “Throughout I’ve noticed something fascinating: When I run into someone who has seen an article about me that could be negative, that person will say, ‘I saw your name in the paper — way to go!’” Wolff says, laughing. “Many people do not read beyond the headlines, apparently.”

Gretchen Lee, AB ’86, is a freelance writer based in San Francisco.
Generating Enthusiasm for Scientific Exploration

Using computer simulations, alumnus Robert Panoff (at top right) is leading the charge to enhance and improve math and science education, at both the learning and teaching levels.

BY TERRI MCCLAIN

Physicist Robert Panoff wants to build better scientists. In the mid-1990s, he founded the Shodor Education Foundation, a nonprofit research and education organization, to improve the way math and science are taught. To that end, the foundation employs computer methods that prove to generate greater enthusiasm for scientific exploration among young people.

Panoff explains that Shodor's operation allows all to do fun science, not just those students left after a typical undergraduate weeding-out process. "We use fun science to get students to want to do the hard work that is before them," Panoff says.
Above: Alumnus Robert Panoff (standing) mentors students at his research and education nonprofit, Shodor Education Foundation. Shodor’s mission is to improve math and science education at every level.

“We can give kids the power to change the world in a computer model, instead of making them wait until graduate school to do experiments. So in the jargon of the educationalists, we’re using computer simulations and visualizations as a pump instead of a filter.”

Computation is, of course, a fundamental aspect of science. Physics, in particular, requires lengthy calculations that could take years to complete without the use of computers. As a computational physicist, Panoff is adept at using simulation models to study scientific problems. “Rapid computation doesn’t have any purpose if you don’t have any reason to believe the calculations that are done,” he says. “So a lot of what we do is under the guise of verification and validation.” Panoff stresses that Shodor not only teaches those two things at the research level, but also at the college, high school and middle-school level. “Verification comes if you solve the problem correctly,” he says. “Validation is a test of whether you solved the correct problem.”

As it turns out, these concepts are not difficult to teach children. With computer simulations, kids easily observe change and effect. “For lack of a better word,” Panoff says, “we give them control knobs and say, ‘Okay, now make this change and see if you can observe any effect. What does that tell you about what we’re changing and how you study this? How sure are you that it’s right?’ We give them the sense of how scientists study things through very careful observations.”

Overall, the process helps them capture the phenomena and understand what’s interesting to study, rather than come up with the big theory. “So we’re getting more students at every level excited about being scientists,” he says, “because the kinds of things that they can study are just so cool and interesting — when we can make them accessible and visual.”

A teacher’s emergence

Panoff’s college notebooks demonstrate an early interest in teaching. On the right side, he wrote class notes — on the left, analytical critiques of the instructor’s teaching methods.

While a graduate student at Washington University, Panoff, MA ’79, PhD ’85, encountered researchers who were pioneering the use of computers in comparative computation. He worked with extraordinary faculty mentors, such as his adviser John Clark, PhD, the Wayman Crow Professor of Physics, and Carl Bender, PhD, the Wilfred R. and Ann Lee Konneker Distinguished Professor of Physics, both in Arts & Sciences.

“These men were really looking at using the mathematical descriptions of physics and the beginnings of computer simulations to obtain a deeper insight into the world.” At the same time, Panoff says, Washington University instilled in him a passion for learning and teaching. “I think my Washington U. education clearly shaped a lot of what I do, both in terms of content and method,” he says. “There were mentoring and discussions on how to be a teacher, with faculty who cared about the quality of teaching.”

Moreover, his adviser, John Clark, treated graduate students as colleagues and co-authors. Panoff says that as the work was done, it was published. And when it was
"We can give kids the power to change the world in a computer model, instead of making them wait until graduate school to do experiments. So in the jargon of the educationalists, we’re using computer simulations and visualizations as a pump instead of a filter,” Panoff says.

published, contributing students were co-authors, not just an acknowledgment.

"By the time I wrote my thesis, my research already had been published," Panoff says, "and being a published author before you've even finished your degree really changes your career track."

Career expansion
In the early 1990s, Panoff transitioned from faculty positions in physics to supercomputing projects. On the first project, at the state level in North Carolina, he created a training program designed to teach college faculty how to use supercomputing resources in their research and teaching. He then transitioned to the National Center for Supercomputing Applications at the University of Illinois at Urbana-Champaign, where he continues to serve as a consultant for the education program.

In 1994, after being diagnosed with kidney cancer and given only six months to live, Panoff returned to North Carolina to found Shodor. He survived the cancer, and he stayed determined to spend his time doing what was most important to him — putting his philosophies into action by mentoring quality science teachers and budding young scientists.

"So what we do now at Shodor," he says, "is focus on developing the best teacher we can develop, the best kid we can develop, and the best teaching materials that a teacher can use with those kids."

Shodor’s impact continues to rise. Its "Computational Science Education Reference Desk" website, http://www.shodor.org/refdesk/, received an "Official Honoree" designation in the Education category from the 2007 Webby Awards. Among other institutions receiving the designation were Harvard Business School and the Smithsonian Center for Education and Museum Studies. Shodor’s "Interactivate" website, http://www.shodor.org/interactivate/, received an "Official Honoree" designation in the Science category that same year, sharing the honor with such organizations as the National Oceanic and Atmospheric Administration and Scientific American.

The websites include numerous online tools and resources, aligned to national standards, which parents and teachers can use to supplement math and science education. Some of the activities are games, but all provide opportunities for exploration. Shodor, which is partly funded by National Science Foundation grants, even offers video lessons in American Sign Language.

With a small staff of experts in education, science, mathematics and computer programming: 25 to 30 college interns; and 40 to 50 high school students in various levels of "apprenticeship," Shodor provides classes to hundreds of kids each year. The interns and apprentices provide invaluable assistance with teaching; in fact, they build many of the organization’s interactive educational tools.

As a result, Shodor greatly impacts community-based learning by training young people who are looking to make a difference. "Service learning is becoming an accepted methodology for preparing young people at the university level to be of use to society," Panoff says.

Shodor takes college and some high school students and gives them the tools, with curriculum and pedagogy and mentoring, so that they can run after-school programs for kids in the public schools. "We're preparing this group of kids who themselves go out and teach other kids. It's through that multiplying effect that what we're doing is really starting to have an impact," Panoff says.

"The phrase I like to use is adept, adapt, adopt," he continues. "We help people who want to do this to become adept, to become very good at doing it. They can adapt our materials to their own interest and skill level, and then they can choose to adopt those things for their own program. Part of our goal is to seed the activities of teachers and future scientists with this type of approach." The ultimate goal? "To transform learning through computational thinking. And that means transforming teachers into more effective, dynamic explorers," he says.

Terri McClain is a freelance writer based in St. Charles.

For more information on Shodor Education Foundation, visit http://www.shodor.org/.
An instructor of music and collector of world instruments, alumna Aurelia Hartenberger expresses the importance of appreciating other cultures. To her, music and art help us understand, enjoy and admire diversity.

BY KRISTIN TENNANT

Left: Aurelia Hartenberger, PhD '81, an instructor of world music, sits amidst a selection of her nearly 3,000 instruments from around the world.

Above: The back ribs from an exceptionally rare soprano lute show elaborate scrimshawed-design inlays, consisting of ivory, tortoise shell and mother-of-pearl; the lute originates from Castello Sforzesco, Milan, possibly dating to the 16th century.
ne June morning in 1974, Aurelia Hartenberger and her 4-year-old daughter set out to visit some garage sales. As Hartenberger searched for clothes and toys for her young children, she happened upon one particular item — and then made a purchase that forever changed the tenor of her life.

“It was mid-morning, and we were in a cul-de-sac where all the houses were having garage sales,” Hartenberger says. “Suddenly I spotted an old flügelhorn. I couldn’t take my eyes off it — I had never seen anything like it before.”

An early 1900s instrument, the horn’s price tag showed $50. Hartenberger bought it without hesitation. At the time, she directed the band at Oakville High School in South St. Louis County, and she wanted to show it to her students.

“It really sparked something in me,” Hartenberger says. “The horn itself was fascinating, and so was the experience of finding it. I couldn’t believe old instruments like that were out there, waiting to be discovered.”

Now, more than 30 years after that first $50 purchase, the flügelhorn is worth $1,000. Further, the seed of fascination the purchase planted in Hartenberger grew into a full-fledged passion: Her collection of historical world instruments today numbers nearly 3,000 items. And it’s one of the largest private collections in the United States.

Hartenberger’s world instrument collection includes aerophones (wind), chordophones (string), and membranophones and idiophones (percussion with and without a stretched membrane) from Africa, Asia, Central and South America, Europe, Oceania/Pacific and the United States. The U.S. instruments cross cultures from Native American to American jazz.

An Olmec whistling masquet from between 1,000-500 B.C. carries the distinction of being the oldest instrument in the collection. Hartenberger’s most-prized string instrument, a 16th-century, 12-string soprano lute, displays with elaborate scrimshawed-design inlays, consisting of ivory, tortoise shell and mother-of-pearl. The lute, traced back to a castle in Milan, Italy, is one of only two like it in the world. Hartenberger also owns five Mozart clarinets made of boxwood and ivory, each in a different key. African instruments constitute about one-third of her collection.

“I never picked up just any instrument,” she says about how her collection grew over the years. “It had to be well-crafted and have something unique to say.”

If Hartenberger finds an instrument and cannot prove its historical authenticity, she does not buy it. A variety of ways exist to determine the past of historical instruments. The only genuine way to become an expert, however, Hartenberger says, is to learn as much as you can about a place by interacting with the people.

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Left: A classic parlor guitar — Paganini type — hails from Paris, France, c. 1850. In between the frets, 13 separate scenes of Paris are carved in mother-of-pearl.

Top: This array of flutes includes a wooden Chinese dizi, and European and American gold, boxwood and ebonite flutes, dating from the 18th to 20th century.

Right: This view shows the finger board of the soprano lute from Castello Sforzesco, Milan (see pg. 31 for another photo).

Far right: A lute hurdy-gurdy with figural head, said to be carved to represent Mozart, dates to the 1850s. Its French name is "vielle à roue" (wheel fiddle).
“It really sparked something in me,” Hartenberger says. “The horn itself was fascinating, and so was the experience of finding it. I couldn’t believe old instruments like that were out there, waiting to be discovered.”

“I travel to different places, put myself in crowds, talk to people, ask questions and build relationships,” she says. “People want to be known, understood — and to be heard.”

A life unfolds in surprising ways

Growing up in Fredericktown, Mo., Hartenberger always enjoyed music, but she never imagined where that interest would lead her.

When the time came to go to college, Hartenberger could not decide whether to study music or math. She eventually settled on music education. Ten years later, while teaching at Oakville High School, she chose to pursue an advanced degree in music education at Washington University.

“The district required all teachers to go back to school for a few credits from time to time,” she says. “I decided if I was going to go, I would make it count.”

Hartenberger credits her positive graduate school experience to her “wonderful adviser,” the late Lewis Hilton, professor emeritus of music, and to the many guest speakers and performers the university brought to campus.

“Learning about world music at Washington University exposed students to more than just the music,” says Hartenberger, PhD ’81. “We focused on the people, the cuisine, the flavors, the things that were important to them. It was all very connected for my professors, so it became that way for me, too.”

Hartenberger’s list of interests never seems to end, and she follows her curiosity wherever it takes her.

Graduate school was an exciting time. In her research, she began to fully grasp the importance of a comprehensive arts education.

“People take everything they’ve learned in every subject, and they create art from it, to acknowledge their existence on earth,” she says. “If we don’t study and teach the arts, all that knowledge and beauty will be lost.”

Bringing together teaching, the arts and brain research

After finishing her doctorate, including a dissertation on music education curriculum, Hartenberger became curriculum director for the Mehlville School District in St. Louis County, employing knowledge of the arts and learning across all subject matters. Since 2006, she has been music coordinator for Lindbergh School District.

Hartenberger laments that so much time is spent learning facts and figures rather than learning how to feel and express. “The arts are such an important part of education; it’s where all things blend together,” she says.

“Music is the most sophisticated art form for the brain to comprehend, because it’s based on time — specifically the organization of sound in time,” she says. “Grasping the element of time is the most sophisticated thing the brain has to do. It involves being able to listen, retain and analyze. You don’t see the complete picture until the end of the song. Music is about taking something abstract and making it concrete.”

For Hartenberger, it’s important that all her loves — instruments, cultures, teaching, and the brain and how it learns — come together in her life and work. With her background and interests, she makes an impact as a curriculum expert, an instructor of world music courses at local universities, and a leader of workshops that demonstrate the connection between brain research and teaching and learning. In recognition of her efforts, she was inducted into the Missouri Music Educators Association “Hall of Fame” in 2010.

A home for instruments, learning and growth

Hartenberger’s desire to teach — to share what she has collected and learned — reaches beyond the classroom. Currently, she is able to share her collection of instruments with the general public only through occasional temporary exhibits and via her website: http://www.hwmconline.com. She and her husband, however, hope someday to find a way to create a permanent exhibit space for the collection, which will, in turn, draw the collections of others.

“The museum would be another way for people to experience the arts,” Hartenberger says. “I always tell my students that mankind preserves what he likes; he likes what he understands; and he understands what he is taught. We must develop an appreciation for others, and for the world we live in and share. Music and other arts can help us do that.”

Kristin Tennant is a freelance writer based in Urbana, Illinois.

For more information, visit http://www.hwmconline.com.
As a senior executive with the Blackstone Group, a leading global alternative asset manager and financial advisory firm, Gary Sumers lives in New York City. A native of the East Coast, when Sumers considered colleges, a part-time job led him to the Midwest.

"I grew up in Teaneck, New Jersey, and I worked at a local pharmacy while I was in high school," Sumers recalls. "The son of the owner went to Washington University, and he encouraged me to consider it. When I visited the campus, I took one look at the Brookings Quad and thought, 'This is what a university is supposed to be.'"

Four years later, Sumers graduated Phi Beta Kappa with a double major in history and political science. As an undergraduate he took advantage of every opportunity to pursue his wide-ranging interests. With the encouragement of a political science professor, Sumers arranged to take a leave of absence to spend his junior year at the London School of Economics, and he later received full credit for his independent study abroad.

"At Washington U., the focus was always on students as individuals," says Sumers, AB '75. "The faculty and administration were interested, flexible and supportive. That has always been one of the university's great strengths, and it hasn't changed."

Inspired by the late Merle Kling, PhD, professor of political science and dean of the Faculty of Arts & Sciences, Sumers seriously considered pursuing a career in academia. "Professor Kling encouraged us to assess people and their motivations in ways I still use today," Sumers recalls. However, he decided to go to law school and earned a Juris Doctor from Northwestern University in 1978.
Sumers then began practicing real estate law at Altheimer & Gray in Chicago. In the following 20 years, he says, “I became a Midwesterner — even though I could never give up my childhood love of the New York Yankees!”

**Law and real estate**

In 1982, Sumers joined JMB Realty Corporation in Chicago as in-house counsel. Two years later, he became the managing director in charge of institutional asset management. “Four of the five senior partners at JMB were former lawyers, so I knew they valued a legal background,” he says. “But I found myself drawn to the business issues — I always wanted to be on the other side of the table. One day, after a rather lively meeting, one of the senior executives came into my office, and I asked if he was going to fire me. He said, ‘Fire you? I want you to join my group.’”

After 11 years at JMB, Sumers became chief operating officer of General Growth Properties, one of the largest publicly traded regional mall real estate investment trusts. In 1995, a former JMB senior partner invited Sumers to join the startup Blackstone Real Estate Group in New York. Today, Sumers is a senior managing director and chief operating officer of the Real Estate Group. He also has oversight of all financial reporting activities and responsibility for the property disposition activities. He has led the Blackstone Real Estate Advisors’ Strategic Asset Management Group, and he has been a member of the Blackstone Real Estate Investment Committee since joining the firm. He also serves on the board of directors of several real estate portfolio companies.

**Helping others**

Sumers is modest about his success. “My parents used to say that an aptitude for business appeared every other generation in our family,” Sumers recalls. “My grandfather was an entrepreneur, and my father was an artist. I guess it’s natural that I went into business, but there are a lot of smart, hardworking people out there. I have been very lucky.

“I grew up in a solidly middle-class family, but I had my first job when I was 13,” Sumers continues. “My parents made a lot of sacrifices to give me a great education. I was very fortunate, and I believe that every kid with academic ability should have the same kinds of opportunities.”

To help make that possible, Sumers has sponsored annual scholarships at Washington University for many years. In 2007, when he found himself in a position to do more, he endowed the Joan Sumers Scholarships in Arts & Sciences in memory of his late mother. “She was a very supporting, very accepting person. She was a big influence on me and the way I think about life,” he says. “Washington University students are motivated, kind to one another, and altruistic, as well as outstanding scholars. I just wanted to help them.”

The Joan Sumers Scholarship provides all expenses for a student with high financial need. The first recipient, a minority student and current sophomore, entered Washington University in fall 2008. Sumers also has created an annual scholarship in his mother’s name. It was awarded for the first time this year to a member of the Class of 2012.

“I want these students to have fun and enjoy the incredible things the university has to offer,” Sumers says. “If they are as lucky in the future as I have been, I hope they will do something for other students.”

In addition to his quiet generosity, Sumers is active on behalf of **Opening Doors to the Future: The Scholarship Initiative for Washington University**, serving as co-chair of the New York City committee and as a member of the national committee for Arts & Sciences. He also serves on the National Council for Arts & Sciences. He and his wife, Rachel, are sustaining charter members of the Danforth Circle Chancellor’s Level and life patrons of the William Greenleaf Eliot Society. In 2009, Gary Sumers was recognized at Founders Day with a Distinguished Alumni Award.

Sumers has been a guest lecturer at Columbia Business School, and he may do more teaching in the future. His personal interests include children’s health issues and education, as well as his service to Washington University. “When I compare the university today to my undergraduate days, the students are smarter, the faculty is even better, the campus is amazing, and the university is respected worldwide,” Sumers says. “Chancellor Danforth and Chancellor Wrighton deserve our thanks for their tremendous leadership.”

—Susan Wooleyhan Caine
Stay Connected to Washington University

The Alumni Association serves graduates of Washington University for a lifetime. Whether you live near or far, in St. Louis or abroad, the Alumni Association helps you stay connected to friends, classmates and the university community. I encourage you to take advantage of the many services the Alumni Association offers, including career networking, continuing education experience, alumni gatherings and more. Many activities are open to your family and friends. We look forward to helping you explore engaging ways to participate, connect and learn.

— Steve Green (at right), MBA '83, 2009-10 Chair, Alumni Board of Governors

Participate

Celebrate Reunion


Attend a Regional Club event

Washington University Clubs are found in 51 cities in the United States and abroad. Alumni, parents and friends participate in a variety of social and educational activities. No matter what your interest, you are sure to find something that appeals to you, such as networking activities, luncheons, theater outings, seminars and sporting events. Visit alumni-clubs.wustl.edu for more information on events scheduled in your region.

Volunteer your time

Whether you are looking to connect with fellow alumni or students, the Alumni Association has options available for you. You can become a career mentor, get involved with your regional club or interview prospective students. Through volunteering, you can put your passion to work and benefit the university community as well.

Connect

Visit the Alumni Association website

The Alumni Association website — alumni.wustl.edu — includes everything you need to know to get involved and stay connected to the university. It also features a free online career networking service and much more.

Find fellow alumni

The Alumni Directory is a service exclusively for alumni. It is a great way to link with friends. Visit alumni.wustl.edu to register for an account.

For more information, please contact the Alumni Association at (314) 935-7378 or (800) 867-ALUM (toll-free).
Regional events held around the world allow alumni and friends to stay connected to Washington University. From left: Jeff Rosenkranz, BSBA '84, Christopher Outwin, AB '70, Gail Fudemberg Zugerman, AB '75, Charles Zugerman and Cynthia Klein-Banai, AB '80, attend the Reunion Kickoff in Chicago.

From left: Daniel Mullenix, AB '05, Meredith Berwick, AB '05, and Teresa Sullivan, AB '05, also have fun at the Reunion Kickoff in Chicago.

Alumnus Volunteer Spotlight

Carl Kaplan, BSEE '85
Chair, Washington University Club of Boston

Why do you volunteer for Washington University?
I had a great experience at Washington University. The university helped me financially by providing scholarships when I was a student, and now I have the opportunity to give back as a volunteer and member of the William Greenleaf Eliot Society. When I moved to Boston, I got involved with the club, and it's been terrific. It's a lot of fun meeting alumni and being a university representative in the Boston community.

What do you enjoy most about your volunteer position?
I enjoy attending the regional events and interacting with alumni and friends.

We have a diverse group of people who attend, and I have gotten to know a lot of people whom I would have never met otherwise in the Boston area. Attendees come from diverse careers — doctors, artists, engineers, architects — and having the common Washington U. experience makes the events so exciting.

What advice would you give to current students at the university?
I would tell them to stay connected with the university after they graduate. There are many events, especially with the regional clubs. Most are purely social. Your connection with the university can be one of the best ways to make connections in your industry. Washington U. continues to grow in its reputation, so try to maintain your ties. Take advantage of its excellent reputation while a student, and after graduation continue to keep in contact.

To learn more about how you can volunteer, contact the Alumni Association at (314) 935-7378 or (800) 867-ALUM (toll-free), or e-mail alumniassociation@wustl.edu.

Learn
See the world

One of the Alumni Association's greatest commitments to lifelong learning is the Travel Program. The program offers more than a dozen international and domestic trips each year. University faculty members lead many of the trips, offering their expert knowledge of the location and its culture.

If you are in the St. Louis area, the Travel Lecture Series allows you to embark on a tour of the most stunning corners of the world. Eight films are presented the first Friday of each month, October through May, on the Danforth Campus.

Last year, the Travel Program took alumni and friends to destinations in several countries, including Russia.

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Washington University Magazine publishes ClassMates in print as well as online at: http://magazine.wustl.edu.

Florida  

Virginia (Kurth) Jensen, LA 47, is retired and traveling the world. She recently visited Israel, and she plans to go to Hawaii next.

Tabetha Green Kase, BU 47, is considering finishing her doctorate at the age of 83. She received a master's degree in art history in 1974 from the University of Missouri-Kansas City (UMKC). She was accepted to the PhD program on the basis of adding a chapter to her thesis, titled "The Artist, the Printer, and the Publisher: A Study in Printing Partnerships." The lengthy hiatus was caused by her inability to learn German. In the interim, Kase has taught art history at Avila College in Kansas City and at Johnson County Community College in Overland Park, Kan. She has written catalog essays for exhibitions at UMKC. Kase also served as associate editor of Helicon 9, A Journal of Women's Art and Letters.

Ann (Stemler) Langlitz, LA 50, and her companion, James Julien, enjoy kayaking, camping, walking treks and traveling. Langlitz has been a weaver for about 40 years, mostly working on tapestry. She also makes jewelry.

Donald B. Kramer, LW 52, was a featured speaker at the annual convention of the Debt Buyers Association on Feb. 9, 2010, at the Mirage Hotel in Las Vegas.

Peter Mollman, LA 52, is president of the Carmel Public Library Foundation, which provides the funding for the Carmel, Calif., libraries. He completed a term as director of the Yerba Buena Center for the Arts in San Francisco. He is a retired publishing executive formerly at Random House, World Book and Microsoft.

Frank W. "Bill" Needle, FA 52, presented a slide lecture on Dec. 15, 2009, at the Missouri History Museum on the life and times of an early American Egyptologist, James Teackle Dennis. Needle is professor emeritus at Southeast Missouri State University.

Burton A. Boxerman, LA 55, and Benita Weissman Boxerman, LA 61, published Jews and Baseball, Volume 2: The Post Greenberg Years, 1959-2008 (McFarland, 2010). They have also written Ebbets to Yekke to Boschi: Eight Owners Who Shaped Baseball (McFarland, 2003); and Jews and Baseball, Volume I: Entering the American Mainstream, 1871-1938 (McFarland, 2006). E-mail: babox@ mindspring.com or bwbox@mindspring.com

Joyce M. Baron, LA 56, is a semi-retired social worker, a musician, a gardener, and a grandmother.

Jerry M. Meyers, AR 57, spent two months traveling from Hong Kong to Athens with his wife, Karen, to celebrate their 50th wedding anniversary. Their family also celebrated with them by touring Alaska for three weeks. Jerry and Karen are involved with the Devon Horse Show and Country Fair in Pennsylvania, one of the nation's oldest and most prestigious outdoor horse shows. Karen is on the board of directors. All proceeds go toward Bryn Mawr Hospital.

Wayne Schlosser, FA 58, is in his 47th year as an active member of the Belleville, Ill., Chamber of Commerce. In 1991, he created and is still directing the prestigious Commitment to Community Award program. Schlosser received this award in 2000. In 2001, he created and received the coveted annual Ambassador of the Year Award. He is a veteran member of the Belleville-scott committee (Belleville-scott Air Force Base), the nation's oldest military/civilian service organization. He is a 25-year veteran Rotarian and has received his sixth Rotary International District Grant to coordinate and implement a children's immunization program with the St. Clair County Health Department in Illinois. Schlosser is a past president of a 100-member Rotary club, a Paul Harris Fellow, a four-time Rotarian of the Year and a recipient of the prestigious Four Avenues of Service Citation. Schlosser has also received six Rotary International Public Relations Awards to date.

Leah (Elbaum) Hakimian, LA 60, and her husband, Yusef Hakimian, EN 57, enjoy spending time with their nine grandchildren. Leah is a Web columnist and volunteers in the Jerusalem municipality.

Joel O'Connor, EN 61, recently became a widower after his wife, Donna Jean, died.

Judy (Bleich) Appel, UC 62, to the Sonoma County Mayors' Committee in recognition of hiring people with disabilities. In 2008, she also was nominated for the Elly Lilly and Company National Alliance for Mental Illness Award in recognition of being a professional who fights for better mental health.

Sanford V. Teplitzky, LA 71, was selected for inclusion in Maryland Super Lawyers 2010 in the health-care category. Teplitzky is a principal in the firm of OberKaler in Baltimore. He was also elected to the board of directors of Baltimore Reads, an organization that teaches adults the literacy skills necessary to function in society. Website: www.baltimorereads.org.

Michael G. Goldstein, GL 72, is senior vice president and chief financial officer of strategic development for Clark Consulting, Inc. Clark Consulting is a leading source of strategic financing solutions, such as bank-owned life insurance and corporate-owned life insurance for inefficiently
funded and unfunded liabilities that result from executive and employee benefit programs. Goldstein was recently elected to the board of directors for the Association for Advanced Life Underwriting.

Richard K. Rosenstein, LA 73, is a clinical assistant professor in the Department of Osteopathic Surgical Specialties in the Division of OB/Gyn at Michigan State University.


Richard L. Emery, UC 75, and his wife, Carol, have moved to St. Louis from Janesville, Wis.

Steven N. Gold, LA 75, is completing his term as president of the American Psychological Association Division 56 (trauma psychology). He is the founding editor of the Division 56 scientific journal/website: Theory, Research, Practice, and Policy. Twenty years ago, Gold founded the Trauma Resolution & Integration Program (TRIP) at Nova Southeastern University in Fort Lauderdale, Fla. TRIP is a research, clinical services and training center in psychological trauma.

Nathaniel L. Karlus, MD 75, resides in Fargo, N.D., with his wife, Joan. He practices neuroradiology at Mericare.

Bennett L. Katz, LW 75, is vice president and assistant general counsel/litigator at Zenith Insurance Co. in its Woodland Hills, Calif., home office. He also is the chair of the board of directors of the IRES Foundation, an insurance industry group that raises funds for insurance regulator education.

Camille (Amron) Knoll, LA 75, GR 77, is pursuing a master's degree in science in traditional Oriental medicine at the Pacific College of Oriental Medicine in New York City. She expects to graduate in 2013.

Alvin Wolff, LA 75, wrote The Total Guide for Motorcycle & Bicycle Accident Victims in Missouri. Wolff is a legal expert on motorcycle and cycling-related accidents. The book is free, but people can purchase one or give a donation to the MS Society, specifically the MS Bike Tour, for which he rides with a team. Website: www.stlouisms-accidentlawyer.com

Laurie (Oppenheim) Dawes, LA 76, is a music therapist at Uptown Mental Health and has a band. Website: www.desotostreetband.com

Timothy J. Robinson, LA 76, paints abstract landscapes.

Julia A. Glibb, LW 77, is finishing her career in local government law, land use and community development. Most recently Glibb was a community development coordinator for Grays Harbor County Council of Governments. She worked in capacity building, capital facilities plans and grant writing. She recently was a panelist at a national Smart Growth conference in Seattle.

John Barnes, LA 78, GR 81, published Tales of the Madman Underground: An Historical Romance 1973 (Penguin, 2009). The book was named as a 2010 Michael Printz Honor Book by the Young Adult Library Services Association. The award is given for literary excellence in books aimed for the young-adult market.

Bruce E. Friedman, LA 78, was listed as a “Top Lawyer” in the area of family law in Central Oregon by Oregon Congregation’s education outreach program with the St. Louis Juvenile Detention Center and serves on the congregation’s tikkun olam steering committee.

Dennis J. Hall, GA 80, is the 56th national president of the Construction Specifications Institute.

Marc M. Rogan, TI 80, is a consultant in the supply chain/distribution field. He is working with Georgia Tech in 2010. Rogan is trying to start a Washington University alumni group in the young-adult market.

Ellen Woloshin, LA 78, is a singer/songwriter in New York City. She recently released a new CD, Water Into Wine. The music is acoustic with adult contemporary pop/rock.

Marc Fink, LA 79, opened a new medical office in Suffolks, Va., at the Sentara Belle Harbour facility.

Michael Holmes, LA 79, is regional director and one of the heads of the company’s RX Outreach prescription assistance program as a separate not-for-profit organization. He was previously executive vice president of strategy, human capital and emerging markets.


Zachary Lemnios, SI 79, is director of defense research and engineering for the Department of Defense. He received the Alumni Achievement Award from the university on Feb. 18, 2010.

Kenneth W. Meyer, GR 79, is stationed at the U.S. Embassy in Vienna, Austria. He will probably transfer back to Washington, D.C., in July or August 2010. His daughter, Alanna S. Kots, is a freshman at Ithaca College in New York.

Kathleen Thurmond, SW 79, moved to San Francisco and hopes to return to nonprofit work on an executive level.

80s

Monica J. Allen, LA 80, GR 85, LW 92, received the 2010 Distinguished Young Law Alumni Award from Washington University School of Law. Allen is associate vice chancellor, deputy general counsel and chief litigation counsel for Washington University. She previously was a partner at Haar & Woods LLP, where she specialized in complex litigation, focusing on the defense of legal and medical malpractice claims and a wide variety of business and commercial disputes. Allen also served as adjunct professor at the law school.

Steven N. Gold, GR 83, is a marketing consultant for the St. Louis Juvenile Detention Center and serves on the congregation’s tikkun olam steering committee.

Laurie (Oppenheim) Dawes, LA 76, is an actress and drama teacher. The couple has two children, Hallie, 16, and Harper, 12. Cynthia Drucker, BU 82, is senior adviser to the president/CEO of World Wildlife Fund.

Nancy (Regelsperger) Board, SW 83, is the vice president of global services at PTC Worldwide. She is currently working in Brisbane, Australia, on an ex-pat assignment. Board should be back in the United States by fall 2010. Her husband, Erden Eruc, is circumnavigating the world by Hummer power.

Wendy J. (Schwartz) Cook, LA 83, and her husband, Thomas E. Cook, TI 81, are enjoying their outdoors-oriented life in Eugene, Ore. Wendy is sole proprietor of Wendy J. Cook Communications, a firm that specializes in writing, editing, presentation and related services for a specialized niche within the investment adviser community. Tom is a motorcycle enthusiast and sales manager for BMW Motorcycles of Western Oregon.

Michelle R. Dubman, LA 83, is selling her paintings and other artworks.

Steve Goddeke, EN 83, was named a Bakken Fellow at Medtronic. He serves as senior director and Left Heart Segment Leader in the Cardiac Rhythm Disorders Division.

Jeremy Golding, LA 83, is the clinical professor of family medicine and community health at the University of Massachusetts Medical School. He is also an associate editor for The 5 Minute Clinical Consult. His medical interests focus on adolescent and reproductive medicine, evidence-based medicine and medical education technology for family physicians. He and his wife, Michele, reside in Worcester, Mass. Michele is a geneticist and does medical writing and editing. Their daughter, Maya, graduated from Yale University School of Medicine and got married. Their other daughters, Elaina and Yona, are college students.

Robert Budd Haemer, EN 83, was promoted to counsel at Pillsbury Winthrop Shaw Pittman in Washington, D.C. He represents electric utilities and nuclear energy companies in reactor licensing and regulation, employee litigation and contract disputes.

Lucy M. Harvey, GF 83, resides in Santa Barbara, Calif. She is the gallery rep of the Vault Gallery in Cambria, Calif. Harvey works on glass assemblage sculptures and paintings in the studio. Website: www.vaultgallery.com

David D. Levine, LA 83, was selected to be a member of Crew 88 at the Mars Society’s Mars Desert Research Station (MDRS). The MDRS is a simulated Mars base in the Utah desert. Levine served on Crew 88 from Jan. 9-23, 2010, as a crew journalist. He
Duffy Creates Google's First Super Bowl Ad

Aaron Duffy, BFA ‘06, directed “Parisan Love Story,” a popular YouTube video that eventually aired as Google’s first Super Bowl ad in February 2010. The film tells the story of a love-struck man in Paris to showcase Google’s search-engine capabilities. The ad focuses on the “search” field on the Google homepage. As questions are input, the viewer sees a narrative play out, from picking a school abroad, to impressing a French girl, to finding a wedding chapel.

Duffy is a director at New York City production company 1stAveMachine and a co-founder of SpecialGuest, its sister studio. He creates television and Web commercials, as well as music videos and short films. One of his recent projects involved a series of short Web films promoting features on Google’s Chrome Web browser.

“I try to find new and innovative ways to augment reality and bring something unexpected to the viewer,” Duffy says.

As a visual communications major at the university, Duffy studied under Pier Marton, senior lecturer in Film and Media Studies, for four semesters. “Professor Marton continues to be an important mentor in my professional career,” he says.

To view “Parisian Love Story” and other work by Duffy, visit www.1stavemachine.com.
Opening Doors to the Future
The Scholarship Initiative for Washington University

(See page 9.)
Plan today to support the University and our students.

(See page 9.)
Brand Manager

Christine (Galofre) Allen, BSBA ’98

Christine Allen enjoys driving positive change. Through her role as a brand manager at Frito-Lay in Dallas, she works to improve the “shopper experience” for consumers by imagining what they want and trying to bring it to life. Through her volunteer activities, she strives to help people in need all over the world.

In Allen’s current position, she aims to “give people tools to help them plan their shopping trip, provide a positive experience for them in the store, and ensure that consumers feel good about Frito-Lay’s products once they bring them home to their families,” she says.

During her six years at Frito-Lay, Allen, BSBA ’98, also developed healthier snacks for women that incorporated more fiber, protein, calcium, fruits and vegetables. Some of these snacks include Flat Earth and True North nut snacks. “I wanted to create great-tasting, nutritious items that women would love,” she says.

In 2009, she helped launch two new items: Smartfood popcorn and Tostitos Dipping Strips. Smartfood popcorn contains fiber and calcium. “It is a delicious and nutritious snack that Weight Watchers fanatics love,” Allen says. Shape magazine named it the “Snack of the Year.” Tostitos Dipping Strips recently launched in conjunction with the Fiesta Bowl.

“It is rewarding to know that whatever I do will be seen, tasted or experienced by millions of people,” she says. “I am a bit of a ‘foodies,’ so I love working with world-renowned chefs to create new innovative food experiences.”

Allen credits Washington University’s Olin Business School for giving her “a solid business foundation, which helped pave the way for my career.”

One of her career milestones occurred when Allen developed Frito-Lay’s first cause-related marketing program, which launched SunChips as a core brand.

“I spearheaded the formation of a partnership between SunChips and the Susan G. Komen Foundation and created the Susan G. Komen Race for the Cure Volunteer Recognition Program,” Allen says.

Race for the Cure volunteers served as brand ambassadors for SunChips, a healthier snack made with whole grains. The program won a prestigious Halo Award, the highest honor in the field of cause marketing.

“We strove to build a stronger emotional connection with consumers and also to do something good for our communities,” Allen says. “Developing the partnership was the most fun I have ever had at work!”

Since then other Frito-Lay partnerships have been formed with the Make-A-Wish Foundation and Habitat for Humanity. Now known for her cause-related marketing experience, Allen advises other PepsiCo brands interested in implementing this type of program.

With her passion for helping others, Allen also volunteers in her spare time. She recently took a three-month sabbatical and spent time in India helping needy women and children. While living in Bangalore, she volunteered with Oasis India, a nonprofit that fights human trafficking and works to empower the poor in urban slum communities.

“My heart breaks for those in need, particularly those in developing countries because they have so little,” Allen says. “To fully understand the complexity of poverty, I felt I needed to live in the midst of it, doing hands-on service.”

During her stay, she visited two brothels in Mumbai. “This eye-opening experience will likely haunt me for life,” she says. “It seemed similar to watching the movie Schindler’s List — horribly depressing but I am glad that I am more aware of what is going on in the world after seeing it.”

Today, Allen focuses on learning more about homelessness in Dallas. For her next volunteer trip, she hopes to head to Haiti to help with earthquake disaster relief.

In the future, she wants to join the board of a nonprofit and “continue to drive positive change wherever I can,” she says. “My husband, Dana [also a brand manager at Frito-Lay], shares my passion for doing what we can to help others.”

To read more about Allen’s adventures in India, visit her blog: christinedanasblog.blogspot.com.

—Blair Leible Garwitz
July 26, 2009, in Garrison, N.Y.

Jason Siderman were married on July 26, 2009, in Garrison, N.Y.

Gentlemen,

and sustainable developments.

art and science in the portrayal of the marine world.

William Muntane, LA 94, is a career foreign service officer. He recently moved to Panama to serve at the U.S. Embassy. He resides with his wife, Carrie, and their children: Megan, 3, and Liam, 1.

E-mail: WMuntane@gmail.com

Agnes Ross, LA 94, is a published Mr. Pennut (Knopf, 2010). The book has also sold in 10 other countries. His book of short stories, Ladies & Gentlemen, will follow in 2011.

Richard Keene, GM 96, is a high school science teacher.

Maria (Feder) Marcus, LA 96, and her husband, Seth, announce the birth of Iliana Hailey on Nov. 17, 2009. She joins big brother, Ryan, 2. The family resides in Rockville, Md.

Ellen (Friebert) Schupper, LA 96, and her husband, Brian, announce the birth of Ari Daniel on March 12, 2009. He joins big brother, Ethan, 6. The family resides in Milwaukee, where Ellen is the director of marketing and external relations at the Peck School of the Arts at the University of Wisconsin-Milwaukee.

Amy (Schwartz) Seymour, LA 96, and her husband, Christopher, announce the birth of Gram Ryan on Sept. 1, 2009. The family resides in Seattle, where Amy is a registered nurse at Seattle Children’s Hospital working with children with disabilities. Chris is completing his fellowship in pulmonary/critical care at the University of Washington.


Rebecca L. von der Heyde, OT 97, received a doctorate in educational foundations at Saint Louis University in 2009. She is completing a three-year term on the board of directors of the American Association for Hand Surgery and is beginning a three-year term on the board of directors of the American Society of Hand Therapists. She will serve as the research division director of the latter during 2011 and 2012.

Lisa (Shusterman) Wolff, LA 97, and her husband, Russell, announce the birth of Oliveia Sadie on Feb. 6, 2010. The family resides in Cambridge, Mass., where Lisa is director of research and evaluation at the nonprofit consultancy Assurance for the Apollo Group. E-mail: LisaSWolff@yahoo.com

Robert Persaud, BU 97, LA 97, and his wife, Gabrielle (Chosney) Nabi, announce the birth of Isabella (Izzy) Nabi on June 22, 2009. She joins their two children, Rob and Emily Paige.

Janine Brodeur, GR 98, is a licensed clinical psychologist. She has provided psychotherapeutic services to children, couples and adolescents for 11 years.

Jason Cheng, LA 98, is vice president of Land Design Partners in Austin, Texas, an award-winning landscape architecture and planning firm.

Anne Edelman, LA 98, and her husband, Eric Stain, announce the birth of Julian Josef on Feb. 23, 2010. Tony, 4, an d big sister, Gabrielle Dora, 6, reside in New York City, where Anne is director of finance at Uncommon Schools, a charter management organization.

Carla Molette-Ogden, GR 98, and her husband, Christopher, have two children: Courtney and Conrad. Carla is a branding planning director at the Richards Group in Denver.

Wade Portnof, LA 98, and his wife, Courtney, announce the birth of Justin Miller on Jan. 21, 2010. The family resides in New York City, where Jason has joined the faculty of the oral and maxillofacial surgery residency program at Beth Israel Medical Center/Jacobi Medical Center/Albert Einstein College of Medicine.

Marissa (Berkow) Rosen, LA 98, SW 00, works part time at the Jewish Community Center in St. Louis as a program coordinator. Rachel has pursued mental health and nonprofit development for seven years. She and her husband, Howard Rosen, BU 98, SB 04, have two children: Joshua Michael and Sarah Rose.


The family resides in South Glastonbury, Conn.

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Kristopher Kelley, AB '08

Environmentalist Turns Cooking Oil into Biofuel

At the refinery he built in Louisville, Ky., Kristopher Kelley converts leftover grease (vegetable oil) from Washington University students' French fries and mozzarella sticks into fuel, which returns to power a campus truck.

Kelley, AB '08, is living his dream of improving the environment through his company, Kelley Green Biofuel. Growing up on a grain farm in Western Kentucky, his interest in a sustainable lifestyle originated from his father's advocacy work for biofuels long before they entered the national consciousness. Biofuels refer to energy sources derived from renewable resources.

Now, Kelley collects used cooking oil from several sources in Louisville and St. Louis to create a sustainable alternative to diesel. "Converting the grease is a difficult process, but it's worth it," he says in his slight Southern accent. "In my opinion, leftover grease is a resource that has to be utilized because of its energy potential."

At Washington University, Kelley majored in aesthetics and society, a major he created in the vein of art history. He also studied entrepreneurship and first conceived of his company during one of his Olin Business School classes. Kelley honed the idea during a semester of independent study with Professor Barton Hamilton, though he did not formally establish his company until the summer after he graduated from the university. A Danforth Scholar, Kelley says that "going to a great school like Washington University really helps you learn to think and do research."

Sharon Stahl, associate vice chancellor for students and dean of the First Year Center, and James McLeod, vice chancellor for students and dean of the College of Arts & Sciences, helped Kelley make contacts. While still an undergraduate, Kelley approached the university's food services management company, Bon Appétit, about using their cooking oil. He now collects some 150 gallons of their waste oil per week.

It works like this: The used grease travels through tubes from campus kitchens directly into Kelley's containers. He collects the oil and lets it sit in storage, allowing the sediment and suspended water to sink to the bottom. He then transports the usable oil to his Louisville refinery and puts it through a transesterification process. This removes glycerin from the vegetable oil and transforms it into a new compound. "The final product is much less viscous than the waste grease and is lighter in color," Kelley notes.

He combines the freshly created biodiesel with traditional petroleum diesel and returns the mixture to Bon Appétit, which uses it to power one of their trucks. Kelley also provides biodiesel for his aunt and uncle's environmentally conscious farm, which incidentally supplies buffalo meat to their critically acclaimed restaurant, Proof on Main in Louisville, Ky.

According to Kelley, waste-grease-based biodiesel is better for the environment than regular diesel, and is even superior to other biofuels like ethanol, which requires energy-intensive harvesting and production. The EPA estimates that using a gallon of biodiesel produced from waste grease reduces greenhouse gas emissions by 80 percent, compared to using a gallon of petroleum-based diesel. This is a result of using a recycled feedstock to make the fuel and the clean burning nature of biodiesel.

Still, his business is not easy. It is messy, laborious and logistically complicated. Getting his company off the ground took much research and networking, not to mention a six-figure financial investment. (His aunt and uncle helped him out, and he invested a great deal of his own money.)

Kelley's current business arrangement, meanwhile, contains flaws. Transporting the grease from St. Louis to Kentucky is not ideal. He, therefore, plans to build a refinery in St. Louis, and he hopes to expand into other cities as well. "I want to collect and distribute everything locally," he says.

Many people across the country eat fried foods, and much of the oil used to fry is getting dumped down the drain. (This is very bad for city sewage systems, Kelley notes.) Turning used oil into fuel is the obvious remedy. "It's a movement that makes sense both environmentally and economically," he concludes.

—Ben Westhoff, AB '99
was featured in the March 2010 issue of American Way. Forer is a management consultant with IBB Consulting Group, where he serves as a trusted adviser on strategic marketing, technology and operational challenges to executives in the media, wireless and cable industries.

Susan (Barnes) Girling, FA 00, and her husband, Adam, announce the birth of Lucy Katherine on Dec. 31, 2009. The family resides in Brooklyn, N.Y.

Dorothea Lasky, LA 00, published a book of poetry, titled Black Life (Wave Books, 2010). Website: www.wavepoetry.com/authors/54

Elena (Arensman) McPeak, LA 00, and her husband, Tomioka, have a son, Liam James, 1. She works part time for the U.S. National Park Service in St. Louis.

Tuan Nguyen, LA 00, and Phuong Duy Hoang were married in March 2010.

Christopher T. Robertson, GR 00, GR 06, is a professor at California State University, Fresno. He conducts research and publishes in cooperation theory and global intelligence, focusing on criminal, foreign and defense issues. Robertson is a director of the R2 Foundation, a nonprofit organization that supports educational and vocational programs geared toward helping troubled teens and young adults. The organization also works closely with the city of Fresno and several city school districts (orphanages) in the area.

Matthew S. Smagacz, BU 00, a director of the R2 Foundation, is moving to Tucson to work as an associate professor of law at the University of Arizona.

Kenneth J. Ryan, GR 00, GR 06, is an assistant professor at California State University, Fullerton. He teaches courses in computer science and technology and maintains a research program in database security. Ryan is a member of the American Law Foundation and the American Association of Law Teachers.

Sarah D. Polpitiya, SI 00, SI 04, conducts research on novel proteomics biomarker discovery for various diseases.

Jessica (Brooks) Garnreiter, LA 02, and her husband, Jason Garnreiter, LA 01, reside in Menlo Park, Calif. Garnreiter is a labor and employment attorney, and Chris is a director of strategy in biotech.

Kim Tompras, SI 02, GA 02, is a project manager at Tarlton, Corp., a St. Louis-based general contracting and construction management firm. Tompras managed construction of the Anheuser-Busch Brewing Process Control Center.

Suzanne (Thompson) Barnard, LA 03, works in project management and grant administration for the Texas Department of Rural Affairs. In her role, Barnard awards grant funds to rural communities. She and her husband, Russ, have two children: Charlotte and Nathaniel.

David Brown, SI 03, GB 04, is founder and president of Datotel in St. Louis, which provides cloud computing and colocation environments for its clients. Website: www.datotel.com

Lisa H. Frankel, LA 03, has been freelancing in Philadelphia for three years. She concentrates on writing with college-bound high school students. Though Frankel started by teaching standardized test preparation, she focuses on college application preparation now.

Stephanie (MacLeod) Grise, GB 03, LW 03, was appointed by Gov. Jay Nixon to serve on the Missouri Credit Union Commission. She will serve a five-year term ending Jan. 1, 2015. Grise is a senior associate in the St. Louis office of Armstrong Teasdale LLP. She focuses her practice in public law and finance matters, specifically on redevelopment incentives.

Megan E. Hauser, LA 03, completed training to be an EMT-Intermediate at the University of Missouri-Kansas City in 2008. She is a member of the Missouri Statewide EMS Program.

Caroline C. Ishida, LA 03, LW 06, works for an environmental nonprofit organization in St. Louis. She focuses on water issues, both locally and nationally.

Jessica (Beckemeier) Kershenski, WS 03, is a licensed clinical social worker at St. John's Family Therapy. She works with children and adolescents doing outpatient psychotherapy on an individual and family basis. She and her husband, Kent, were married in 2007. The couple has two children: Zoe and Jack.

Cynthia L. King, LA 03, was appointed to the Massachusetts Board of Registration of Architects and Surveyors. King is a registered architect in Massachusetts and is currently a professor at the University of Massachusetts Amherst.

Deidra J. Schlosberg, FA 03, was featured in the March 2010 edition of the Wall Street Journal. Schlosberg works at the American Institute while overseas. She is now back at her job at the EPA in Washington, D.C., leading outreach to the hospitality and travel industries.

Lori A. Apfel, AR 04, and Seth Cardeli, LA 04, were married in June 2009 in Washington, D.C. The wedding party and guests included many University alumni. Lori recently joined Goshow Architects, a Manhattan firm whose work focuses on healthy and sustainable living and learning environments. Seth, a member of the New York and New Jersey bars, is an associate at Gurfein Douglas LLP.

Dillon C. Brown, LA 04, is pursuing a master's degree in Japan studies at the University of Washington in Seattle. He previously worked for four years as an English teacher in Japan.

Ancei Damle, LA 04, is attending medical school at Georgetown University. He plans to pursue a career in general surgery after graduation.

Nathalie de Vos Burchart, EN 04, is a principal in a start-up trading company. Jonathon Arbuckle, GB 04, founded Great Edidum Education Foundation, a nonprofit organization that teaches personal finance to young adults through a curriculum of multimedia hip-hop music blended with a written curriculum to facilitate the learning process. The organization was recently recognized as one of the top 10 organizations positively impacting the urban community.

Robert E. Guinness, LA 04, and Anne-Marie Vespalainen were married on Jan. 10, 2010, in Helsinki, Finland. Guinness is a project officer at Laurea University of Applied Sciences in Espoo, Finland. He works on several aerospace research projects and teaches in the international business information technology program. He previously worked for the Boeing Company at Johnson Space Center in Houston.

Kumara N. Holt, LA 04, is a physical therapist in Santa Monica, Calif.
**ALUMNA PROFILE**

Barbara Langsam Shuman, AB '74

**Filmmaker Explores Missouri’s Stem Cell Issue**

The Stem Cell Divide, a Triumph Documentaries film written, co-produced and co-directed by Barbara Langsam Shuman, AB '74, shows how Missouri became an unexpected battleground in the embryonic stem cell research issue. Covering a period beginning in January 2005—when Missouri state Sen. Matt Bartie proposed a law banning human cloning—and lasting until the November 2006 U.S. Senate election, the documentary includes interviews with legislators, scientists, patient advocates and others embroiled in the controversy. The film premiered at the St. Louis International Film Festival in 2008 and received the Best Heartland Feature Award at the 2009 Kansas City Film Fest.

Shuman’s background in journalism, public relations and public television helped her immensely when writing The Stem Cell Divide. As a journalist, Shuman wrote op-eds and features for the St. Louis Post-Dispatch and other publications. “I love telling stories,” she says. “I love to interview people; I am fascinated by issues and the stories behind them.”

The idea for Triumph Documentaries developed in 2000 when she and a longtime colleague of quality services at the general hospital in Oaxaca, Mexico. He is working toward his MBA at Washington University Olin Business School.

Cynthia (Ruprecht) Hunt, UC '06, works with the Sprint IBM team on worldwide telecommunications solutions. She is moving to Chicago this summer.

Will Martin, BU '06, was selected as a Roy H. Park Leadership Fellow and will be pursuing an MBA at the Johnson School at Cornell University beginning in fall 2010. E-mail: william-josephmartin@gmail.com

Florence A. McKinley, UC '06, SW '09, is the executive director of Community Organization of Women. This nonprofit organization provides information, education, resources and training about interpersonal and domestic violence. Its workshops aim to advance women’s welfare and their ability to overcome adverse situations of isolation and poverty.

Edna Pinon, SW '06, is the coordinator of quality services at the general hospital in Oaxaca, Mexico. Rosie Rascoe-Arnette, SW '06, is the regional contract administrator for Southern Illinois at the Illinois Department of Children and Family Services.

Lauren Simon, LA '06, joined Sesame Workshop as licensing coordinator of global consumer products. She coordinates product approvals for Sesame Street-branded images of creating an exact copy of another human. “That is clearly not what those of us who are here to testify against Senate Bill 160 mean when we talk about somatic cell nuclear transfer,” he says.

Steven L. Teitelbaum, the Messing Professor of Pathology and Immunology at the Washington University School of Medicine, also appears as a proponent of the research, explaining that somatic cell nuclear transfer produces undifferentiated embryonic stem cells. “They are not a heart; they are not lung; they are not brain; they are not kidney,” he says, adding that they are cells that can potentially help the donor recipient.

Sen. Bartie, the bill’s sponsor, says that since the embryos being used could be implanted in the uterus and fully develop, they should be protected and not used for therapeutic purposes.

Adina Taive-Goodman, AB '09, a heart transplant recipient, also appears, advocating in favor of embryonic stem cell research to those who otherwise have little hope.

Twenty-two-year-old Chelsea Zimmerman, who was paralyzed in a car accident, knows she could potentially benefit from embryonic stem cell research but feels it is morally wrong; even if the research provided her a potential cure, she would not take advantage of it.

The documentary also includes footage of Chancellor Emeritus William H. Danforth and his brother, former U.S. Sen. John C. Danforth, both staunch proponents of embryonic stem cell research.

“We did our best to show both sides fairly and equally,” says Shuman, who refrained from disclosing her personal stance to those who asked during filming.

The Stem Cell Divide recently appeared at the 2010 Los Angeles Women’s International Film Festival. Shuman and her fellow producers plan to continue screening the film. They found a distributor to package the documentary for sale to libraries, schools and colleges.

—Sheila Callahan
a financial analyst in Wells Fargo’s commercial banking division in Clayton, Mo. He recently traveled to Australia and New Zealand.

Charles K. Cohn, BU 08, works at a venture capital firm, Ascension Health Ventures, and operates Tutors LLC, a company he founded while attending Washington University.

Lorrie R. Friedlander, LA 08, is pursuing a master’s degree at Bar-Ilan University in Israel with a specialization in water management and policy. Her project focuses on the uptake of drip irrigation technology in sub-Saharan Africa.

David Hartstein, LA 08, is a kindergarten teacher at Leadership Prep in New York City. He is a graduate with a specialization in water management and policy. Her project focuses on the uptake of drip irrigation technology in sub-Saharan Africa.

Kevin C. Vinson, UC 08, is pursuing a master’s degree in information management with a graduate certificate in project management at Washington University School of Engineering & Applied Science. He is a training systems and services logistics element manager at the Boeing Company in St. Louis.

Yifei Zhang, BU 08, is pursuing a master’s degree in information management with a graduate certificate in project management at Washington University School of Engineering & Applied Science. He is a training systems and services logistics element manager at the Boeing Company in St. Louis.

Courtney Caruso, LA 09, and Charles Harris, LA 91, were two of 37 U.S. Fulbright grantees from 19 European Union member states to attend the 2010 European Union & NATO Seminar in Belgium. Caruso is a Fulbright grantees in Italy, and Harris is a Fulbright grantee in Romania.

Jacob Klein, LA 09, works at Thomson Reuters, an information and news company, in Times Square. He also coaches lacrosse at Frederick Douglass Academy and volunteers with CityLax, a program that helps grow the game of lacrosse among New York City public schools.

Elizabeth B. Ren, LA 09, is a business analyst at Capital One in Dallas.

Jessica Sippy, GR 09, is an assistant professor of sociology at St. Louis Community College at Forest Park.

Qin Xu, GL 09, is attending Washington University School of Law.

In Memoriam

1930s


1940s

In Remembrance
Christopher I. Byrnes

Sophomore year, a professorship of pulmonary medicine and a distinguished alumni scholarship were established in Flance's name.

Whitney R. Harris

Whitney R. Harris, a prosecutor at the Nuremberg war-crime trials after World War II, died Thurs., April 22, 2010.

As a law school student in the U.S. Navy at the rank of captain, Harris was selected to work with the late U.S. Supreme Court Justice Robert H. Jackson, who was chief prosecutor for the Allied military tribunal in Nuremberg.

Harris focused primarily on the investigations of Nazi secret services. For his work, Harris received the Legion of Merit.

After coming to St. Louis in 1963, Harris served on the local boards of the Heart Association, Children's Hospital and the Multiple Sclerosis Society.

In 1980, Harris donated his papers from the Nuremberg trials to the university's Olin Library.

The School of Law's Whitney R. Harris World Law Institute is named in honor of Harris' lifelong achievements in the field of international justice and his support of legal education and research.

Richard M. Hazelton


A commissioned officer in the U.S. Army Air Corps and U.S. Air Force, he served in World War II as a bombardier and was a prisoner of war in Germany.

Hazelton joined the university in 1958 as an assistant professor in the Department of English. He became associate professor in 1961 and professor in 1964. In 1984, he was named emeritus.

A distinguished and Chaucerian scholar, Hazelton received a Guggenheim Fellowship in 1964 to conduct research in Oxford, England, and in Florence, Italy.

Ira J. Hirsh

Ira J. Hirsh, the Edward Mallinckrodt Distinguished University Professor Emeritus of Psychology and Audiology, died Tues., Jan. 12, 2010.

Hirsh conducted pioneering research in hearing, auditory perception, speech, language and communication disorders.

In 1951, Hirsh assumed a research appointment at the Central Institute for the Deaf (CID) in St. Louis, and an assistant professorship of psychology in Arts & Sciences. He held several positions at CID, including director, director emeritus and a member of CID's board of managers.

He served as dean of the Faculty of Arts & Sciences, chair of the Department of Psychology and as a professor in the CID/Washington University graduate program in speech and hearing.

Adriel D. Johnson Sr.

Adriel D. Johnson Sr., BA '79, an associate professor of biology at the University of Alabama in Huntsville (UAH), died Thurs., Feb. 12, 2010, in a shooting spree during a faculty meeting.

At Washington University, Johnson majored in biology, participated in several intramural sports and was an active member of the Black Students Association.

After graduation, he earned his doctorate from North Carolina State University.

Johnson served as chairman of the biological sciences department at UAH and researched cell biology and nutritional physiology. He also was active in encouraging minority students to further their education and go to graduate school. Johnson also served as director for the UAH chapter of the Alabama Louis Stokes Alliance for Minority Participation.

Fred L. Kuhlmann

Fred L. Kuhlmann, AB '38, JD '38, the longtime Anheuser-Busch executive who helped lead the St. Louis Cardinals in the 1960s, died Sat., April 3, 2010.

He helped run the Redbird organization during the glory days of the 1980s. The Cardinals were the National League pennant winners in 1982 and won the National League pennant in 1985 and 1987.

In 1984, August A. Busch Jr., president, chairman of the board and CEO of the Cardinals, turned over most of the business operations of the club to Kuhlmann.

Later, Kuhlmann served as the Cardinals' president and CEO until his retirement in 1991.

Anheuser-Busch Hall at the university is named for the Anheuser-Busch Foundation, in recognition of a generous gift to the building fund in honor of Kuhlmann.

In 1987, he received the Distinguished Alumni Award from the university.

Richard E. Norberg


Norberg served in the U.S. Army Air Force from 1942 to 1946.

He joined the university faculty as an associate professor of physics in 1955. He became a member of the department's nuclear magnetic resonance (NMR) group and later served as the group's director.

Norberg joined professor in 1958, Norberg chaired the department from 1962 to 1991. He oversaw the design of the Arthur Holly Compton Laboratory of Physics. A pioneer in using NMR as a practical analysis tool, Norberg received the 2004 ISMAR Prize, the highest honor of the International Society of Magnetic Resonance.

A. Edward Nussbaum


Nussbaum was a Holocaust survivor. His father, mother and brother all died in the Auschwitz concentration camp in Poland. Nussbaum and his sister escaped to Belgium in 1939, but the Nazis then overran Belgium. Separated from his sister, he was forced to flee again, first to France, and then, on foot, to Switzerland. He finally escaped from Nazi Germany and made his way to New York in 1947.

While attending Columbia University, he studied with mathematician John von Neumann and worked with him on an electronic computer project at the Institute of Advanced Study at Princeton. Nussbaum then turned to the faculty of Washington University, where he taught for 37 years.

Teresa J. Vietti

Teresa J. Vietti, professor emerita of pediatrics and of radiology at the School of Medicine, died Mon., Jan. 25, 2010.

Vietti joined the faculty as an assistant professor of pediatrics in 1961 and became a full professor in 1972. She served as chief of the pediatric hematology/oncology division from 1970 to 1986. She was an internationally renowned pioneer of pediatric cancer research and treatment. Vietti founded the Pediatric Oncology Group and chaired it for 15 years.

Her research paid off in the remarkable increase in survival in childhood cancer from less than 15 percent to about 80 percent.

In 2007, Vietti received the 2nd Century Award from Washington University School of Medicine.

Merle T. Welshans


Welshans taught at Olin from 1957 to 1969. In the late 1950s, he participated in Olin's "Korean Project" that supported faculty exchanges between Washington University and Korean universities to help the latter develop programs in business administration.

After his 22-year university, he served as financial vice president of Union Electric Co., now Ameren, until his retirement in 1983.

He received Washington University's Distinguished Alumni Award in 1982 at Founders Day and has an endowed scholarship in his name.
A FORCE FOR GOOD

BY LISA CARY

Behind the scenes at Washington University, an ardent advocate for students and others works to enhance the educational experience for all. Henry "Hank" S. Webber, executive vice chancellor for administration, and his staff — numbering more than 600 university employees and contractors — support students with the daily services they need to stay focused on their education.

Webber oversees the functions that underpin the university’s mission of teaching, research and service to society. He’s responsible for 2,335 acres of grounds and facilities, including academic buildings and housing; campus planning, capital projects and off-campus real-estate acquisition; dining services; energy usage and environmental safety; emergency preparedness and overall security. Together, these areas represent operating and capital budgets of more than $250 million annually.

This enormous menu of responsibilities might seem daunting, but Webber relishes the challenge. He arrived in St. Louis in March 2008, after 21 years at the University of Chicago, with the experience needed to perform these varied duties — and the determination to take them to a new level.

Webber shares Chancellor Mark S. Wrighton’s vision that Washington University can, and should, reach out even further as a powerful force for good within St. Louis, its region, the nation and around the globe.

“Hank Webber is a skilled administrator and leader — someone who understands very well the critical relationship that exists between the academic and operational enterprises of a world-class institution like Washington University,” Chancellor Wrighton says. “As a new St. Louisan, Hank has a keen appreciation for the vital role Washington University plays in the St. Louis metropolitan area, and he has worked hard to strengthen relationships between the university and other regional partners. He has quickly become a valued member of our senior leadership team.”

A career of advocacy

Webber brings to his tasks 30 years of experience advocating for Americans who are underserved and under-resourced. After earning a bachelor’s degree in environmental studies from Brown University, he spent two years co-directing the Appalachian Student Health Coalition, creating health centers and programs in 10 rural communities.

The experience inspired him to get a master’s degree in public policy at the John F. Kennedy School of Government.
at Harvard University. In 1984 he became a policy and budget analyst for the Massachusetts Executive Office for Administration and Finance, co-authoring a plan to create a statewide care system for the mentally ill.

When Webber and his wife, Christine Jacobs, MD, moved to the Chicago area in 1986, he joined the University of Chicago with responsibilities in two areas. In academics, he became a senior lecturer in the School of Social Service Administration and, in administration, a deputy director of financial planning and budget. His teaching and research in public policy, community development, health care and education complemented his administrative duties as he advanced through human resources and other administrative positions. He eventually became vice president for community affairs and government.

In that role, Webber forged partnerships with nearby residents, business and political leaders, community groups and law enforcement to help revitalize the Hyde Park, North Kenwood/Oakland and Woodlawn neighborhoods. His efforts resulted in a university-civic program recognized in a national study as one of the strongest in the country.

Lured to St. Louis

"I never expected to uproot my family — especially our daughter, a high-schooler — and move away from Chicago," Webber says. "But the opportunity to work in such a broad role for Mark Wrighton, one of the top leaders in higher education today, at a world-class university in an urban setting was just too attractive. And now we're so glad to be here in St. Louis."

Since his arrival at Washington University a little more than two years ago, Webber has used his boundless energy and drive to tackle big projects.

He led the Sustainable Operations Leadership Council — a working committee of representatives from the buildings, dining, energy, materials and transportation departments — to develop the university's plan for sustainable operations.

Webber oversees the management of almost 11 million square feet of campus real estate and 1,300 units of off-campus housing. Increasing energy efficiency is a paramount concern, in both the renovation of existing buildings and in new construction. Since 2008, the university has required all building construction to meet at the minimum LEED (Leadership in Energy and Environmental Design) Silver qualifications.

"This is a win-win situation," Webber says. "Every dollar we don't have to spend on energy costs is a dollar we can spend on education." He also is developing a long-term strategic plan for student housing.

Advancing K-12 education in the St. Louis area is another long-term goal. To that end, Webber, along with Edward F. Lawlor, dean of the George Warren Brown School of Social Work, led the initiative for the university to sponsor the KIPP Inspire Academy, a new public charter school for St. Louis 5th-graders. KIPP (Knowledge Is Power Program) is a national network of free public charter schools that use innovative teaching methods to help kids in under-resourced communities successfully learn and advance to college. Success depends on committed sponsor involvement, and Washington University students, faculty and administrators are answering the call with tutoring, teacher training and more.

Webber and Lawlor, also director of the Institute for Public Health, have been friends since they both taught at the University of Chicago. There, they helped develop the Urban Education Initiative, a comprehensive program that engaged the university in local public education through teacher training, professional development, research and the establishment of four K-12 charter schools.

"Hank is unique in his ability to balance academic, administrative and community concerns in his decision making," Lawlor says. "We've been good friends and colleagues for almost 25 years, and I still cannot believe our good fortune that he has come to Washington University."

And just as he had at the University of Chicago, Webber holds an academic appointment at Washington University. He is a senior lecturer in the Brown School, teaching a course on topics ranging from social welfare policy to urban and community development.

Last year, Webber also led the effort to establish Washington University's first on-campus child-care center, scheduled to open for the fall 2010 semester.

And at the center of Webber's world is his own family: His spouse of almost 25 years is Christine Jacobs, a physician who has a private practice and is an associate professor of family and community medicine at Saint Louis University. Their son, Robert, will be a junior at Brown University this fall, and their daughter, Hannah, will be a freshman at Wellesley College.

"I am blessed," Webber says. "I have a great family, and we really enjoy living in St. Louis' Central West End."

Regarding the university family, he says: "The Washington University team is the strongest I've ever worked with both intellectually and technically. And they're a team of really nice people."

Lisa Cary is a freelance writer based in St. Louis.
Five Feels Mighty Fine  The Washington University women's basketball team beat Hope College, 65-59, on March 20 to claim the Division III National Championship. The title is the Bears fifth — a Division III record — but the first since 2001. Graduate student Jaimie McFarlin (left) and senior Zoë Unruh were both named to the NCAA Championship All-Tournament Team, with McFarlin claiming the NCAA Final Four Most Outstanding Player accolade. McFarlin scored 14 points with a season-high 15 rebounds in the win, while Unruh tallied 13 points. (With her 15 boards, McFarlin ended her career as the Washington U. all-time rebounding leader with 1,013. She also ended her career with 1,071 points, making her the only WUSTL player to surpass 1,000 in both categories.) Junior guard Alex Hoover also was superb in the title game; she scored a career-high 18 points and collected five rebounds and three assists. Check out http://bearsports.wustl.edu for the latest sports news.