Bridging Disciplines
Bioethicist Rebecca Dresser considers complex questions at the intersection of law and medicine.
Washington University opened its doors to thousands from the St. Louis community and beyond for its 150th Birthday Party—a special day of celebration on September 14, 2003. Offering tours, exhibits, lectures, demonstrations, performances, and other special events, presented by faculty, students, and staff of every school, the University shared a sampling of its rich variety. One of the day's highlights was "Magic Mark" (aka Chancellor Wrighton), dazzling the audience with some of his best chemistry tricks, including making his magic wand undergo a reversible thermochromic reaction, blue to pink—from a temperature-induced change in the coordination environment of cobalt ions in an alcohol solution. Another highlight was a demonstration of "Lewis the Photographer," a 4-foot-tall robot (at far left) that takes candid snapshots. For more information on the 150th Birthday Party, Founders Week, and other Sesquicentennial events and initiatives, please see the back cover, page 3 in Frontrunners, and Alumni Activities on pages 34–35, or visit 150.wustl.edu.
Frontrunners
Short takes on WU’s community of great minds and great ideas.

Partnering for the Betterment of the Community
Throughout its 150-year history, Washington University has collaborated with many local cultural and scientific institutions; over time, the relationships have changed and grown, yet the mission has stayed the same—to form stronger partnerships for community enrichment.

Clarifying the Convergence of Biotechnology and the Law
An expert in bioethics, Professor Rebecca Dresser explains the complexities of biomedical research and policy to both medical and law students.

“Over There”: World War I and Washington University
An excerpt from the soon-to-be-published history book, Beginning a Great Work: Washington University in St. Louis, 1853-2003, highlights heroics performed during the war by those affiliated with the University.

Exposing Evolutionary Answers
Professor Jonathan Losos and members of his research team study lizards to understand the origins of diversification and how organisms survive.

Expressions of Faith
Best-selling author Anita Diamant, A.B. ’73, shares her faith, the importance of friendships, and a sense of community, in both fact and fiction, with her readers.

Engineering ‘Real Time’ Reactions
At Aspen Technology, Peter Hanratty, M.S.Ch.E. ’88, D.Sc. ’91, uses computer modeling to help chemical plants and refineries around the globe run more efficiently.

My Washington
Frank and Florence Bush have served generously in numerous ways for the advancement of the University’s mission, and their dedication and enthusiasm have benefited generations of students.

Alumni Activities
Washington University’s Founders Week, which opened with the Sesquicentennial Birthday Party on September 14 and culminated with the 2003 Founders Day dinner on September 20, was a week filled with remarkable events. Take a glimpse!

Washington Spirit: Ann B. Prenatt
A series spotlighting key faculty and staff who help make this great University run.
The University now is the University's tie with Wrighton. "The talented and recognizing quality of our university in the Midwest. "It is rewarding to see the recognition of the outstanding quality of our university," says Chancellor Mark S. Wrighton. "The talented and creative students, faculty, and staff are the key."

These undergraduate rankings are derived from peer assessments by university chief executive officers, provosts, and admissions deans, as well as from data gathered from each institution. This year's results also rank the University as third in financial resources, 11th in faculty resources, and ninth in both selectivity and alumni giving.

In addition, the Olin School of Business held its ranking as the 14th-best undergraduate business school among national universities, tied with two other schools. Among private schools, the Olin School ranks fifth in the nation.

The School of Engineering & Applied Science is ranked 38th, an increase of six spots. It is tied with 10 other undergraduate schools, including Brown University and the University of Notre Dame.

First Class Graduates from 'Olin in China' Program

For 68 members of the first class of the Olin-Fudan Executive M.B.A. program, it was time to celebrate after the graduation ceremony held September 18, 2003, in Graham Chapel. The 18-month program, a cooperative effort between Washington University's Olin School of Business and the School of Management of Fudan University in Shanghai, began in April 2002. Presenting graduation addresses were August A. Busch III, chairman of Anheuser-Busch Companies, and Charles F. Knight, chairman of Emerson.

Most students are Chinese nationals who are fast-track business executives in multinational companies and organizations, such as Alcoa, Baxter, BP, DuPont, Emerson, General Mills China, and IBM. Students in the inaugural class represented 62 companies and organizations.

Participants attend classes in Shanghai for four consecutive days—Friday through Monday—once per month. Students then come to St. Louis for a capstone two-week residency at the Charles F. Knight Executive Education Center. Their courses, covering areas such as strategic management, organizational behavior, and corporate finance, are delivered in English and are jointly instructed by Olin and Fudan faculty.

Describing the rationale for the program, Stuart I. Greenbaum, Olin School dean and Bank of America Professor, says, "By making well-trained executives available to the 600 multinational corporations in Shanghai, we are serving them and enhancing the growth of China's economy."

WUSTL, Monsanto Win Crop-Protection Patent

Washington University and Monsanto Co. won a joint patent for a technique that protects important food crops, such as tomatoes, peppers, and squash, from viral diseases. Known as coat protein mediated resistance, the technique was a concept that Roger N. Beachy, president of the Donald Danforth Plant Science Center in Creve Coeur, Mo., and professor of biology in Arts & Sciences, developed while a biology professor at Washington University in the early 1980s. Helping bring the concept to life were his co-inventors—Robert T. Fraley, Monsanto chief technology officer, and Stephen G. Rogers, former Monsanto research scientist. Though the patent was applied for in 1985, competing applications by other universities and companies led to an 18-year delay in awarding the patent.

The three developed a gene that, when inserted into plant cells, causes them to produce a "coat" of protein that protects against a particular virus. Plants produced from the modified cells manufacture the coat protein in tiny amounts, protecting them, too, from the virus.

Over the past 16 years, the technique essentially has been donated for use by researchers around the world. Beachy says, "This technique's potential to increase developing countries' food production is very exciting."
Celebrating the Sesquicentennial

The University's yearlong celebration of its founding 150 years ago has gotten off to a rousing start. Kicking off festivities during the 2003-2004 academic year was Founders Week, from September 14-20. (See news on pages 34-35.)

The week opened with the 150th Birthday Party offering 200-plus activities for the St. Louis community. Estimated attendance was 15,000. Other special events included the first of four Arts & Sciences "Conversations," discussions of questions affecting the future of the University, the community, and the world. Among top scholars participating was Thomas L. Friedman, a three-time Pulitzer Prize winner, best-selling author, and foreign affairs columnist for The New York Times. He also presented the Assembly Series Sesquicentennial Lecture, on the subject of Iraq.

Other 2003 events included the dedication of the Uncas A. Whitaker Hall for Biomedical Engineering and an exhibit by renowned type designer Matthew Carter.

Events in 2004 will include a colloquium on effects of early childhood lead exposure, part of the Sesquicentennial Environmental Initiative; the Tennessee Williams international symposium; chamber music by University composers; the world premiere of a new play by Carter Lewis, playwright-in-residence for Arts & Sciences; an international workshop on new frontiers of neuroscience; and an all-student talent production.

In 2004 will also include a colloquium on effects of early childhood lead exposure, part of the Sesquicentennial Environmental Initiative; the Tennessee Williams international symposium; chamber music by University composers; the world premiere of a new play by Carter Lewis, playwright-in-residence for Arts & Sciences; an international workshop on new frontiers of neuroscience; and an all-student talent production.

For details, visit the Web site: 150.wustl.edu.

Distinctive Gowns for Commencement

For the first time in Washington University history, graduating students will wear a distinctive commencement gown. The new gown—designed in honor of the University's Sesquicentennial by Leslie Lambeth, lecturer in fashion design at the School of Art—is green with black velvet trim, and it sports the University shield. From February 17-20, 2004, graduating students may rent gowns through the Campus Store, with pickup in May. Faculty members or administrative officers will rent their gowns through the Commencement Office. Gowns and regalia also are available for purchase. For information, students should call (314) 935-8188 and faculty should call (314) 935-8186.

Antidepressants May Protect Brain

Studying patients with histories of clinical depression, a medical team led by Yvette Sheline, associate professor of psychiatry, of radiology, and of neurology, has found that the use of antidepressant drugs appears to protect a key brain structure often damaged by depression.

Previous research has shown that the hippocampus, a region of the brain involved in learning and memory, is smaller in people who have been clinically depressed than in those who never have suffered a depressive episode. Now, researchers have found that this region is not quite as small in depressed patients who have taken antidepressants.

Researchers used information from 38 women—patients who had experienced an average of five episodes of major depression—and they compared high-resolution magnetic resonance images of the patients' brains. Findings were that, on average, hippocampal volume was smaller than normal in depressed women, and that the less time a woman had spent taking antidepressants, the smaller her hippocampus.

"We've shown in other studies that people with hippocampal damage also have problems with certain memory tests," Sheline says, "and large epidemiology studies have shown that major depression is a risk factor for developing Alzheimer's disease later. So it seems clear that volume loss in the hippocampus can have very negative effects." Sheline added that because volume loss in the hippocampus appears to be cumulative, it is important to recognize and treat depression right away. It also may be worthwhile for patients to continue taking antidepressants between episodes of depression.

Yvette Sheline, professor of psychiatry, with Cleordia Young, treated for depression for 40-plus years.

F. Lee Bearly argues his case for the plaintiffs during law students' presentation of The Three Bears v. Goldilocks as part of the University's 150th Birthday Party for the community. A jury of children found Goldilocks guilty of eating the bears' porridge and breaking Babe E. Bear's chair.
Remembering the Dream
Helping commemorate the 40th anniversary of the Rev. Dr. Martin Luther King, Jr.'s civil rights march on Washington and his immortal "I Have a Dream" speech are Gerald L. Early, the Merle Kling Professor of Modern Letters and director of the Center for the Humanities (formerly the International Writers Center) in Arts & Sciences, and St. Louis civil rights attorney Frankie Muse Freeman, the first woman appointed to the U.S. Commission on Civil Rights. On August 28, 2003, along with other scholars and civil rights leaders, they presented a roundtable discussion on King's legacy.

New Center Focuses on Materials Innovation
New and improved consumer goods, better planes, vehicles, and electronics, and new biomedical products are among the objectives of the University's new Center for Materials Innovation.

The interdisciplinary center, affiliated with Arts & Sciences, initially will be funded at more than $10 million for the next five years. That amount includes a gift from John F. McDonnell, chairman of the University's board and retired chairman of the board of McDonnell Douglas Corporation. The gift will endow three professorships that would be affiliated with the center.

The center's director is Stuart A. Solin, the Charles M. Hohenberg Professor of Experimental Physics in Arts & Sciences, and the associate director is William E. Buhro, professor of chemistry in Arts & Sciences. Five other researchers, drawn from the University's environmental engineering science, biomedical engineering, electrical engineering, physics, and chemistry departments, also have been named charter members of the center.

The center will focus on three areas of research—magnetics, biomedical materials, and nanosynthesis, or the creation of ultra-small particles.

Central facilities for the center are being established in Crow Hall's basement, which is undergoing a complete renovation and will feature a state-of-the-art nanofabrication lab.

Chinese Ceramics Reflect New Age
China's 7,000-year-old ceramics tradition—from Neolithic pottery to Tang Dynasty figurines to delicate Ming- and Qing-era porcelain—has produced some of the world's most impressive works of art. Yet only in recent years have Chinese ceramists begun to adopt Western conceptions of the "studio artist," whose works are individual, rather than collective or cultural, expressions.

The School of Art's Des Lee Gallery, in downtown St. Louis, explored this "new age" of Chinese ceramics with the exhibit Chinese Ceramics Today: Between Tradition and Contemporary Expression in September 2003. The show featured more than 50 works by 23 of that nation's finest contemporary practitioners, and it was attended by three of the artists—HSU I-Chi, M.A. '62, Ph.D. '71; WONG Fiona; and LUO Xiaoping.

For much of the 20th century, the Chinese Communist Party discouraged any sense of artistic individualism, but, according to HSU, who curated the traveling exhibit from 23 independent studios in China, "the situation has changed in the last 20 years, due to China's reform and opening up." Guangdong Art Museum, Canton, China, and Ariana Museum, Geneva, Switzerland, organized the exhibit.

Tour de Siteman Center
To encourage participation in clinical trials for cancer research, five-time Tour de France champion and cancer survivor Lance Armstrong made exclusive St. Louis appearances on October 15, 2003, at the Siteman Cancer Center and its public event in Forest Park. His visit was part of the weeklong Tour of Hope bike ride, in which a 26-person team of cancer survivors, physicians, caregivers, advocates, and researchers completed an around-the-clock relay covering 3,182 miles across America. At some points, Armstrong rode and gave presentations.

Tour sponsor, Bristol-Myers Squibb Co., makes the drug that helped Armstrong beat cancer.
Debaters Advance to Final Rounds

There's no debating the fact that the University's debate team is winning a national reputation. For the first time, it was represented in the final rounds of the nation's largest debate competition, which featured 350 teams competing in March and April 2003 in Portland, Oregon. In fact, based on win-loss record and individual points for style, clarity, and delivery, one University twosome finished in the top 16, and another finished in the top 32. Two debate propositions were "The carrot is more effective than the stick" and "This house believes that the United States media have oversanitized the war in Iraq." "The theory answers the question of whether in parliamentary debate, as above; in individual debates, such as the Lincoln-Douglas debate; or in policy debates. "These students are the crème de la crème," she says. "They're voracious readers and researchers, and they absorb information like a sponge absorbs water." Until Rigdon joined the University in 1999, its debate team was exclusively student-run. Now, with professional coordination, the team practices at least once a week, and, throughout the year, a rotating delegation of about 10 members travels to some 10 tournaments, held on weekends. University debate is also make time to help coaches and students of debate teams at St. Louis city and county high schools.

The Medium Can Hide the Message

Conveying hidden messages via "digital watermarking" or other techniques—applied to visual, audio, or print media—is an emerging field of information and communication systems, and Joseph A. O'Sullivan, professor of electrical and systems engineering, has devised a theory that sets the limits for the amount of data that can be reliably hidden in a system.

The theory, which also provides guidelines for how to store data and decode it, promises eventually to be implemented in commerce, such as embedding date-and-place information on a photo so that the information would show only when the photo was scanned by a computer, and numerous homeland security applications, from detecting forgery to intercepting and interpreting messages sent between terrorists. It also provides guidelines for how an adversary would disrupt the hidden information.

O'Sullivan and former graduate student Pierre Moulin, M.S. '86, D.Sc. '90, now professor of the University of Illinois at Urbana-Champaign, used game, communication, and optimization theories to devise their fundamental theorem of data hiding.

O'Sullivan says the theory is "a couple of layers away" from implementation, "but the theory answers the questions of what is the optimal attack and what is the optimal strategy for information hiding." Five University scientists were among eight honored by the Academy of Science of St. Louis. Sharing the Peter H. Raven Lifetime Achievement Award were Ira J. Hirsch, the Edward Mallinckrodt Distinguished University Professor of Emeritus of Psychology and Audiology in Arts & Sciences, and Nobuo Suga, professor of biology in Arts & Sciences. Receiving other awards were Phyllis I. Hanson, assistant professor of cell biology and physiology, Susan E. Mackinnon, the Sydney M. Shoenberg and Robert H. Shoenberg Professor of Plastic and Reconstructive Surgery; and James P. McCarter, M.D. '98, Ph.D. '98, formerly with the University's Genome Sequencing Center.

Four professors have been named to endowed professorships: David M. Holtzman, the Andrew B. and Gretchen P. Jones Professor of Neurology and head of the Department of Neurology; Nancy Morrow-Howell, the inaugural Ralph and Muriel Pumphrey Professor of Social Work; Mark R. Rank, the inaugural Herbert S. Hadley Professor of Social Welfare; and Anjan V. Thakor, the John E. Simon Professor of Finance.

Sheila (Mosley) Bader, J.D. '76, director of the law school's Children and Youth Interdisciplinary Institute, received the YWCA's 2003 J.D. '76, director of the law school's Clinical Education program, received the St. Louis Daily Record's 2003 Justice Award.

The University's Office of Environmental Health & Safety won the 2003 Governor's Award for Environmental Excellence and Pollution Prevention. The University is among 15 universities chosen for the Ewing Marion Kaufman Foundation's initiative in entrepreneurship.

Correction

In the fall 2003 magazine in the feature on alumnus Ron Himes, Katherine Dunham's name was misspelled. Please accept our sincere apology for the Inaccuracy.
Got Milk?® Got Scholarship!

Kari Sufficool, Arts & Sciences Class of ’07, was one of 25 winners out of 52,000 entrants nationwide in the “Got Milk?”® campaign’s 2003 Scholar Athlete Milk Mustache of the Year (SAMMY) Awards competition. As a winner, she received a $7,500 scholarship; a spot in a “Got Milk?”® mustache ad that will appear in publications such as Sports Illustrated and USA Today; and a free trip with her parents to Orlando’s Disney World, including an appearance in a Disney parade. The award is based on academic achievement, athletic prowess, community involvement, and a “milk mustache” essay.

Gel Lens May Rejuvenate Eyes

Good news for many over 40—and almost everyone over 70—is coming from the research team led by Nathan Ravi at the University and St. Louis VA (Veterans Affairs) Medical Center. The team is developing a gel-like substance that may have potential use as an “auto-focusing” intraocular lens implant to improve the vision of those with presbyopia—which means “aging eye” in Greek.

It could replace bifocals, contact lenses, and glasses now used to correct the condition.

“As we age, the lens of the eye gradually loses its ability to adjust its focus,” says Ravi, associate professor of ophthalmology and visual sciences and affiliate professor of chemical engineering, who also is director of ophthalmology for the VA Heartland hospitals in the Midwest. “By creating a non-toxic, injectable material with the right combination of optical and mechanical properties, we should be able to replace the aging human lens.”

The material being tested is a hydrophobic hydrogel, which is used in many extended-wear contact lenses. Ravi’s colleagues—Aliyar Hyder Ali, research associate; Madalene Fetsch, M.S. ’03, graduate assistant in biomedical engineering; and research associate Paul Hamilton—see their material as different from other lens materials in incorporating special features such as reversible chemical bonds. Ravi explains, “This means that, after forming the gel, we can break the bonds, liquefying the gel so that it can be injected through a very small incision into the lens capsular bag, where it re-forms a permanent cross-linked gel under natural physiological conditions.”

Ravi cautions that there is still much work ahead before an injectable lens could be used in human patients. He adds, “If and when it’s perfected, it possibly will be offered first to cataract patients as a way both to eliminate the cataract and any presbyopia, which, almost invariably, is also present.”

University Leads Midwest Biodefense Center

The U.S. Department of Health and Human Services has chosen Washington University to lead the Midwest Regional Center for Excellence for Biodefense and Emerging Infectious Diseases Research (MRCE), one of eight such regional centers in the nation. The centers are being established to study infectious diseases, such as the West Nile Virus, and to develop vaccines, antibiotics, and approaches to combat potential agents of terrorism, including anthrax, smallpox, and plague.

Other affiliates of MRCE, directed by Samuel L. Stanley, Jr., professor of medicine, are Saint Louis University, the University of Missouri—Columbia, the Midwest Research Institute of Kansas City, and Case Western Reserve University in Cleveland. MRCE covers Iowa, Kansas, Missouri, Nebraska, and Ohio.

All centers are multidisciplinary, and scientists at each center will work together and with approved investigators from government agencies and biotech and pharmaceutical companies.

Overall, the government is spending $350 million over the next five years to establish the centers. MRCE, which will receive a $35 million grant, will focus initially on poxvirus infections, which include diseases such as smallpox. Its team aims to improve the safety of vaccines and to develop new antiviral therapies.

In addition, the group plans to develop resources needed in the event of a bioterrorism attack and to provide training programs.

University Leads Midwest Biodefense Center

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Older Adults and Volunteering—A Positive Relationship

For the past three decades, research studies have documented the positive relationship between volunteering and well-being, suggesting that volunteering has a role in maintaining well-being in later life.

Nancy Morrow-Howell, the Ralph and Muriel Pumphrey Professor of Social Work, who has extensively researched the subject and edited a book on productive aging, has added detail to that suggestion via recent research that has a stronger methodology than most previous work on the topic.

In this latest study, which was funded by the Longer Life Foundation and was published in 2003, Morrow-Howell and her colleagues found that older adults who volunteered, compared to those who did not, had less functional dependency, less depression, and more positive self-rated health over time, after controlling for baseline measures of well-being. To explain the positive relationship, scientists often have used role theory, saying that assuming multiple roles, including volunteer roles, increases one’s social network, power, prestige, resources, and emotional gratification.

Morrow-Howell’s study showed that positive effects applied equally to both men and women, to whites and African Americans, to caregivers and non-caregivers, and they basically were unaffected by the type of volunteer activity or the number of organizations for which a person volunteered.

In this study’s sample of 1,669 adults 60 years of age and older from throughout the United States, based on three waves of data from an Americans’ Changing Lives study, 34.5 percent volunteered. Of those who volunteered, the average amount of engagement was less than two hours a week.

These findings are important for the individual and society, given that the percentage of older adults in the United States is increasing, that subsequent generations of older adults will be in greater demand for volunteer work, and that the traditional pool of women volunteers has decreased as more women are in the paid work force.

She Shoots, She Scores

Kimberly L. Raess, Arts & Sciences Class of ’04, has provided scoring power throughout her career as a forward on the women’s soccer team. She netted her 22nd career goal this season, putting her in sixth place all-time in career goals scored. The team captured the University Athletic Association (UAA) championship for the second time in University history. (The first time was in 1995.) At the end of its regular season, the team was ranked No. 7 nationally.
What a Legacy!

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Throughout its 150-year history, Washington University has collaborated with many local cultural and scientific institutions; over time, relationships have changed and grown, yet the mission has stayed the same—to form stronger partnerships for community enrichment.
ince its humble beginnings in 1853, Washington University has been intertwined with St. Louis. Over the last 150 years, changes to both the University and the surrounding area have been significant and profound.

During the University’s milestone year, it is appropriate to reflect on some of the productive partnerships that Washington University has forged with local cultural and scientific institutions. Among those highlighted, although by no means an exhaustive list, are the Danforth Plant Science Center, Missouri Botanical Garden, Saint Louis Art Museum, St. Louis Science Center, and Saint Louis Zoo.

Chancellor Mark S. Wrighton believes these collaborations benefit both town and gown. “St. Louis is blessed with many great cultural institutions having long and strong traditions. Washington University is privileged to enjoy the benefits from these organizations. They provide many important opportunities for our students, faculty, and staff,” Wrighton says.

Whether undergraduates in architecture studios design structures for a primate house and a cage for birds of prey at the Saint Louis Zoo or a graduate student in Arts & Sciences works with a University professor and collaborators at the Missouri Botanical Garden to study jocotes (small fruit native from Central Mexico to northern South America), the University repeatedly has earned its reputation as an institution that forges partnerships, fosters projects that benefit the community, and supports students and faculty in relationships with outside organizations. Looking to the future, even greater possibilities for collaboration exist with these organizations and others, as technology transfer and start-up enterprises grow from initiatives by University faculty-scientists.

Connecting Through Botanical Research

Founded in 1859 by Henry Shaw, the Missouri Botanical Garden (MBG) is the oldest botanical garden in the United States and is a contemporary of Washington University. The two institutions share a legacy of some of the most active botanical research in the world.

This affiliation can be traced to George A. Engelmann, a faculty member in the University’s short-lived Scientific School, who was also a physician, pioneer botanist, and scientific adviser to Shaw in the development of the Missouri Botanical
Garden. Later, in 1879, Sylvester Waterhouse, a professor of Greek, urged Shaw to endow a professorship in botany at Washington University. After extensive negotiations, Shaw rewrote his will in 1885 to endow the professorship and to help establish a School of Botany at the University. Shaw required, however, that the professorship be held by the garden's director or the person next in rank.

William Trelease became the first Engelmann Professor of Botany in 1885, as well as becoming the first director of the Missouri Botanical Garden after Shaw's death in 1889. In 1895, the School of Botany conferred its first student Ph.D. on Isabel Mulford; according to University Archives, over the next 20 years, 19 of the 21 research doctorates the University conferred were in botany.

Although the Shaw School of Botany closed in 1950, the link between the University and the Botanical Garden was never severed. The relationship blossomed when, in 1971, Peter Raven came to St. Louis as the garden's director and as the Engelmann Professor of Botany at the University. Indeed, his appointment marked the beginning of a new era. Raven and several members of his research staff, who are adjunct faculty members at the University, have been integral in the revitalization of research, educational, and display programs at the garden, which now cover the world, with particular concentration on Latin America and Africa.

“We have more than 40 Ph.D.-level scientists at the garden, and they have contributed a great deal to graduate programs. About half a dozen have joint appointments, and most have contributed in one way or the other to graduate and sometimes undergraduate education,” Raven says. “In the case of the Missouri Botanical Garden–Washington University relationship, it has been possible to maintain strength with mutual respect over the years, and our relationship is the envy of many similar pairs of institutions around the United States and throughout the world.”

Creating a “Bio-belt”

When ground was broken in August 1999 for the new $135 million Donald Danforth Plant Science Center in Creve Coeur, Missouri, Raven joined Danforth Plant Science Center director Roger Beachy, former U.S. Senator John Danforth, Chancellor Emeritus William H. Danforth, and Chancellor Mark S. Wrighton to help inaugurate the future of plant biology. The center is the product of an innovative partnership that joins the Missouri Botanical Garden, Monsanto Company, Purdue University, University of Illinois at Urbana-Champaign, University of Missouri-Columbia, and Washington University.

The center is named for the late Donald Danforth, former president of Ralston Purina Co. and father of William and John Danforth, Dorothy Miller, and the late Donald Danforth, Jr. The center's mission is to lead the world in finding solutions to global hunger, via research to reduce plant disease, to enhance nutrition in foods, and to provide training for scientists from developing countries. The center envisions the Midwest's agricultural heartland as a “bio-belt.” Together with a planned small-business incubator, the Danforth Center will become the focal point for the region's growing cluster of biotech endeavors.

Beachy, one of the world's foremost plant scientists, was named the center's first director and later center president. He also holds a professorship in the Department of Biology in Arts & Sciences, similar to Raven's appointment with the University through the Missouri Botanical Garden.

“One of the benefits of the relationship between the center and the University is the encouragement of collaborative research between our scientists and those at the medical school, as well as the scientists on the Hilltop Campus,” Beachy says. “Another benefit is to collaborate in training the next generation of graduate students and postdoctoral associates. We also are committed to collaborating with educators in the School of Business and School of Law to forge an enhanced training program that crosses disciplines and provides opportunities for learning in basic science, technology, and applications in law and business.”

Though the center is only slightly more than four years old, success has come early: Washington University and Monsanto Company were issued patent 6,608,241 for a technique that protects crops from devastating viral diseases that currently threaten or harm many important food crops. The inventors on the patent application, filed in 1985, were Beachy, a Monsanto chief technology officer, and a former Monsanto research scientist (see page 2).
Extending Science Education

Founded by biology Professor Sarah Elgin in 1990, one of the University's most visible community outreach efforts is Science Outreach, which connects K–12 teachers with faculty at the University and its partners: the St. Louis Science Center, Saint Louis Zoo, and the Missouri Botanical Garden. The goal is to enhance science teaching through hands-on investigative methods, combining informal education and classroom learning. Since 1997, and Missouri Botanical Garden have yielded approximately $17 million directed into the St. Louis community for science education.

"We have been able to get some major national grants to be a long-term player in the process of education, and we were able to obtain these grants because we have been partnering with each other during the past few years," says Douglas King, president and chief executive officer of the St. Louis Science Center. "The institutions have repositioned themselves into this natural collaboration between the people who are at the pinnacle of education and research—the University—and those of us with a public mission."

Impacting the Arts and Creating Museums

Forest Park is more than one of the largest municipal parks in the world and a next-door neighbor of the University's campuses; it is also home to several important institutions linked to the University.

In particular, the Saint Louis Art Museum (the first municipally supported art museum in the nation) owes much of its existence to a free drawing class offered by Halsey C. Ives, an art professor at the University, in 1875. The class became so popular that it created a need for a space for larger classes as well as for a collection of artworks. In 1879, the University established the St. Louis School and Museum of Fine Arts as a department. The museum and school were made possible by a pledge from University co-founder Wayman Crow, a local businessman who wanted to memorialize his deceased son who had been an admirer of the arts. Dedicated in 1881, the St. Louis School and Museum of Fine Arts was located at 19th and Locust streets and was intended to commence a new era in the aesthetic, educational, and economic life of the city. Due to expanding collections, by 1900 the museum and the school needed a new structure. After negotiations between the city and the University, in 1906, the museum—which was still a University department—moved to the 1904 World's Fair Palace of Fine Art's permanent structure, and the school moved to the Hilltop Campus. Within a few years, the University and the museum, which is now the Saint Louis Art Museum,
"The institutions have repositioned themselves into this natural collaboration between the people who are at the pinnacle of education and research—the University—and those of us with a public mission," says Douglas King, of the St. Louis Science Center.

separated their legal connection because of municipal tax considerations. Today, the intentions of the original founders are embodied in the University's Gallery of Art and its extensive collection.

The University also has connections with other institutional residents of Forest Park. For instance, the late Arthur Monsey, a University professor with associations in both engineering and architecture, served as construction consultant for the Saint Louis Zoo, working on projects such as the Bird Garden, Children's Zoo, Elephant House, Lakeside Café, Living World, and Zoo Hospital. In addition, alumnus Edouard Mutrux, an architect and former University professor, designed the zoo's main entrance. And, the Jefferson Memorial, located at the site of the main entrance to the 1904 World's Fair, is home to the Missouri Historical Society. The society and various University departments have collaborated over the years on joint programs. A recent one was a conference titled "The Coldest War in the Cold War: The Blood and Politics of the Korean Conflict, 1950–1953," sponsored by the International Writers Center (now the Center for the Humanities) in Arts & Sciences and the Historical Society.

Of these and future collaborations, Chancellor Wrighton says: "We have been fortunate to enjoy substantial partnerships with many St. Louis organizations that have resulted in a better environment for everyone in St. Louis. Having many important cultural institutions close to our campus, including being adjacent to Forest Park, provides a very special reward for the University community. We value very much the setting in which we find ourselves and look forward to working with others to strengthen our community."
An expert in bioethics, Professor Rebecca Dresser explains the complexities of biomedical research and policy to both medical and law students.

by Judy H. Watts

Not long after bioethicist Rebecca Dresser was appointed to the President's Council on Bioethics in January 2002, she decided to reread Brave New World, Aldous Huxley's 1932 novel about a totalitarian world based on biotechnology. The title alone has become a catch-phrase for bewilderment and apprehension in the face of overwhelmingly rapid advances in science and medicine (even a link on the council Web site refers to "brave new biotechnology").

Although Dresser firmly separates contemporary facts from the book's dark fiction, she says certain concerns are appropriate. "Much new knowledge today is related to human health and offers a great deal of hope," says Dresser, the Daniel Noyes Kirby Professor of Law and professor of ethics in medicine. "On the other hand, in many areas there is reason to worry that we might not know how to use that knowledge with wisdom. In the past, humanity has not always done a great job in that respect."

Still another concern is the fact that many people, who unwittingly depend on scant or dubious public information, become intensely alarmed without understanding the reality. Too often, cloning, genetic engineering, and other infant biotechnologies are reported in a superficial, unbalanced, or sensationalistic way, followed by barrages of media speculation that hint at an imminent nightmare. Even worse, says Dresser, misleading media accounts can disrupt medical treatment and raise cruelly unrealistic expectations among patients and families. In her book When Science Offers Salvation: Patient Advocacy and Research Ethics (Oxford University Press, 2001), she discusses an article by a New York Times science reporter that because of its front-page position and "enthusiastic tone ... suggested a genuine breakthrough in cancer treatment." Qualifications farther down in the piece were ignored in most later news coverage, and the original story drew a maelstrom of protest from the medical community, responsible journalists, and patients, whose sudden hopes had been destroyed.
The incident, continually repeated in kind, points up several of Dresser's deepest convictions: that people must develop a basic understanding of biology and other sciences; that it is imperative to understand the issues surrounding biomedical research; and that people must realize that investigation and discovery processes are very uneven, slow, and unpredictable. Unfortunately, collective misconceptions now exist; for example, some people (including some impatient members of Congress and some excessively optimistic prospective research-trial participants) assume that a new development, such as stem-cell research, means that a cure for diseases such as Alzheimer's is only a year or two away—whereas the new science is actually in very preliminary stages.

**Illuminating issues**

Examining the interests of people affected by medical and scientific research, practice, reporting, and policy is Rebecca Dresser's life work. A 1979 graduate of Harvard Law School who has been at Washington University for six years, Dresser has written or co-written three books, 17 law review articles, 69 other scholarly articles and book chapters, and numerous letters, reviews, and commentaries. She is also a fellow of the Hastings Center, a highly respected bioethics research institute in Garrison, New York, and she is active in numerous other areas of her profession.

Dresser's extensive scholarship focuses on research and policy, assisted reproduction, and the end of life. But she maintains that "by far, the major ethical issue we [in this country] face is access to health care. It is the elephant in the room."

Dresser continues: " Compared to other developed countries, we are not doing a good job of delivering proven health-care benefits to our people. If we provided access to just the interventions that we know are safe and effective, many lives could be extended, the quality of life would be better, and we could implement better prevention measures and do all sorts of great things! That we are not is disconcerting and irrational."

Dresser's desire to examine the interests of people of every station and situation is illustrated in her writings about advance directives, often called living wills. In "Precommitment: A Misguided Strategy for Securing Death With Dignity," an article published in Texas Law Review [81:1823–47, 2003], she argues against the popular idea that people can, while they are still competent, instruct others in an informed way about how they want to be treated in the future.

Among advance directives' many practical problems (all of which Dresser examines in her article) are that...
most directives contain vague information and that the people who create them often understand only dimly what they are deciding. "In particular, they may not envision how they could experience their decisions in a future incapacitated state." Few people who categorically ban the use of a mechanical ventilator, for instance, consider that in some cases the device can restore normal functioning if used for a very short time.

People also tend to do "a poor job of predicting their preferences in situations they have never experienced." Viewed in terms of the best interests of the patient, advance directives about dementia can come to occupy a shaky ethical position. "Many dementia patients are quite content much of the time," Dresser explains (rightly noting that none of us is content all the time). "The patients have a good quality of life, often finding pleasure in simple activities, if they have good care. It is the families who suffer the most."

Another of Dresser's interests is the potential role of patient advocates, a "fascinating feature of the contemporary research landscape." In her most recent book, she analyzes this phenomenon, which followed the successes of HIV/AIDS activists, in hopes of building a foundation for future interdisciplinary inquiry. The interest is consistent with her faith in the fundamental wisdom of ordinary citizens. "I personally am very much in favor of a large component of people who are not from a scientific or medical background being involved [in a regulatory body] ...," she stated in the proceedings of the President's Council on Bioethics [June 20, 2002, session on human cloning and public policy options]. "I do think that there is an important place for ordinary people ... who do not represent one interest group yet are thoughtful, involved, and interested in moral questions ... ."

Informing opinions

B ut how are people to meet their ethical obligation: to put forth the diligent effort necessary to be knowledgeable, and especially at a time when cascading biotechnological discoveries demand highly informed voters? One place to start, Dresser suggests, is at the President's Council on Bioethics Web page at www.bioethics.gov. There, transcripts of meetings are available together with reports; the archives of the previous president's commission; background material; a virtual bookshelf of poetry, prose, and fiction; and related national and international sites.

"The cloning report [on the site] will be used in a number of university classes, and I think that's great," says Dresser. "These national commissions have their greatest impact by creating thoughtful, well-written documents that cover a range of positions and perspectives. ..."

Rebecca Dresser occupies a unique role at Washington University as a living bridge between the very different traditions of scholarship, teaching, and service at the Schools of Law and Medicine," says Joel Seligman, dean of the School of Law and the Ethan A. H. Shepley University Professor. "She has been invaluable for her ability to place complex questions that involve law and medicine in a thoughtful and nuanced dual context."

In her medical- and research-ethics classes in the School of Medicine, Dresser gently pushes her first- and second-year students—who are immersed in tradition and mission. On patients' behalf, she teaches medical students to analyze issues from other, non-medical perspectives. "Rebecca is a great addition to the medical school," says Stephen S. Lefrak, professor of medicine. "She brings the presence of a national figure in her field and has made great contributions to the medical students' ethical education. She continually challenges them—and in a highly collegial way!"

Speaking for the School of Law, both Dean Seligman and Susan Frelich Appleton, the Lemma Barkelo and Phoebe Couzins Professor of Law and former associate dean, praise Dresser's collegiality and service as well. "As a colleague, Rebecca is extraordinarily supportive, hardworking, and wise," Seligman says.

For a number of years before Dresser came to Washington University, "we had been talking about having someone who could connect the law and medical schools," Appleton adds. "Rebecca not only filled this need; she exceeded our expectations."

Informing opinions

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Judy H. Watts is a freelance writer based in Santa Barbara, California, and a former editor of this magazine.
“OVER THERE”: WORLD WAR I AND WASHINGTON UNIVERSITY

BY CANDACE O’CONNOR

Excerpted from the University’s new history book, 

“...for the first time in this building since this world-wide trouble began, I use the word ‘war,’” said Chancellor Frederic A. Hall to a hushed crowd in Graham Chapel less than a month after the United States declared war against Germany on April 6, 1917. “The war is on. No one knows how long it will last, nor what will be the experiences of individuals, families, or institutions while it continues.”

It lasted 19 months, and during that time University life was utterly transformed by the war effort. First, students signed up by the dozens, leaving behind a smaller, largely female student body; then war-related programs came flooding onto campus, creating a space crisis and overtaxing the few remaining faculty. “In no other place in America did the outbreak of the war cause greater commotion than in the supposedly retired halls of learning,” said Chancellor Hall.

In May 1917, the first undergraduates left for overseas service: 16 men, organized by English professor John Livingston Lowes, who volunteered for a six-month stint as ambulance and truck drivers in France. In letters to Student Life, some described their harrowing experiences: day-and-night ammunition deliveries for blistering artillery assaults on German trenches; dangerous trips to ferry the front-line wounded to nearby aid stations, with shells raining all around. The war, exclaimed former student Francis Douglas, “is all that it is cracked up to be, only more so.”

That May, a group led by medical faculty and students — 28 officers, 141 enlisted men, 65 nurses — departed for Rouen, France, where they staffed Base Hospital No. 21, the second of some 50 military hospitals organized by the American Red Cross. The University had been planning this effort since 1916, so in April 1917, when surgeon and Base Hospital director Fred T. Murphy received a telegram from the Red Cross asking, “can your Unit go to Europe and how soon?” he answered exuberantly: “Yes — in one week.” It took a few weeks longer, but the unit left amid great public fanfare.

The team Murphy had recruited — orthopaedic surgery chief Nathaniel Allison as adjutant; surgeon Borden S. Veeder as quartermaster; Walter Fischel as head of the medical service; Malvern B. Clotpton as chief of surgery; Sidney I. Schwab as neurologist; Eugene Opie as pathologist; Lawrence F. Post as ophthalmologist; Arthur Proetz as otolaryngologist; Julia Stimson as chief of nurses — performed extraordinary service. By the end of the war, several had earned decorations for their work: Allison and Murphy the Distinguished Service Medal, Veeder the Order of St. Michael and St. George, and Stimson the Royal Red Cross.

Yet they were almost comically unprepared to become soldiers. They didn’t know how to salute; their uniforms didn’t fit. “I doubt if half of us knew the difference between a lieutenant and a lieutenant-colonel,” wrote Proetz later. Before they embarked, two officers gave them physicals. “Two dozen of us in a little
Leaders of Base Hospital No. 21.
Meeting at a reunion in 1943 are, from left to right, Walter Fischel, Fred T. Murphy, Malvern B. Clopton, Julia Stimson, and Borden S. Veeder. WU Becker Medical Library.

Three of the University’s war dead were well-known members of the community.

- **Capt. Alexander Skinker**, A.B. ’05, was the son of Thomas Skinker, A.B. ’63. On the first day of the September 1918 battle for the Argonne Forest, when his company came under devastating machine-gun fire, he ordered his men to take cover while he and a carrier charged the gun emplacement alone. “The carrier was killed instantly,” said a citation, “but Capt. Skinker seized the ammunition and continued through an opening in the barbed wire, feeding the automatic until he, too, was killed.” He was posthumously awarded the Congressional Medal of Honor.

- **Capt. Charles H. Duncker, Jr.**, A.B. ’14, was class valedictorian, editor-in-chief of Student Life and the Hatchet. “It has been said by some of those who were in authority over him that...he was the most brilliant man who had ever sat in a Washington classroom,” a friend said. In October 1918, he was promoted to captain of Battery A of the 340th Field Artillery, just 10 days before he was killed by a German shell near Thiaucourt. The Duncker family paid tribute to him with the 1924 gift of Duncker Hall, the first home of the School of Commerce and Finance and now home of the Department of English in Arts & Sciences.

- **Lt. James H. Steedman**, B.S. ’89, was one of the first St. Louisans to leave for military service. An expert on marine engines, Steedman—who had received his Naval commission in 1916—was called up on the day war was declared and assigned to supervise the repair and maintenance of ships. An illness he contracted made him an invalid, and he died in 1921. In 1925, his widow and brother donated the “Steedman Fellowship” in his honor. This award, given every other year, provides nine months of study to the young architect who wins a nationwide competition sponsored by the School of Architecture.

room, from the loftiest professors down, naked as frogs, hopping on the cold floor, being inspected, palpated and auscultated...it was a leveling experience, not the last; it broke down all barriers and taught us to live as one happy family, for the duration.”

Once in France, they took over a British hospital with 1,350 beds—all but 70 of them in tents—located along a race track near the Rouen rail line. They were 80 miles from the closest units, 100 miles from the front lines. When a soldier was wounded, he was rushed to a “casualty clearing station” for rough dressing, then shipped to the base hospitals for surgery or medical care. “By the time they reached us,” wrote Fischel in 1919, “most of these men were badly infected, many of them showing the horrible signs of gas gangrene.” The effects of mustard gas were particularly shocking, he added. “I made every one of us feel that we wanted to...get a gun and go out and fight.”

In the end, they treated 61,543 patients, mostly British soldiers: 31,837 medical cases and 29,706 wounded. Their peak time came during the Allied offensive of fall 1918, when their 50-75 patient-per-day load suddenly shot up to 500-600. The result, wrote Veeder afterwards, “was that some of the juniors became competent to handle the most serious cases with rare ability and judgment.” Thanks to such on-the-job training, fourth-year medical students were allowed to graduate in March 1918 while still serving—the only class ever to graduate away from St. Louis.

Overall, the death rate among the hospital’s wounded was a remarkably low two percent—thanks in part to roentgenologist Edwin Ernst, who X-rayed every soldier before surgery. As time went on, the team’s fine work won promotions for some: Murphy became head of the Medical and Surgical Service of the Red Cross; Allison took over front-line orthopaedic work for the American Expeditionary Forces (AEF);
Putting on a show.
In their few free hours, Base Hospital No. 21 personnel tried to relax by giving teas, playing baseball, staging an open-air circus, and performing an original, two-act comedy, "C'est la Guerre."

WU Becker Medical Library

Schwab directed the first American hospital in France for war neuroses; and Stimson became the AEF's Chief Nurse, supervising 8,000 nurses.

Back home, other medical faculty were also serving. Medical dean Philip Shaffer became the ranking officer of the Food and Nutrition Division of the U.S. Army's Sanitary Corp. As head of the Army's Oral and Plastic Surgery Unit, then the AEF's chief consultant in maxillofacial surgery, Vilray P. Blair earned an international reputation for rebuilding shattered faces. An officer's School for Neurological, Plastic, and Oral Surgery was established on campus, while classes in oral surgery were given by the School of Dentistry.

Across the University, people were leaving for wartime work. Twice David Houston extended his leave of absence, and in December 1916 he resigned from the University altogether; early in 1917, the board named Hall as his replacement. In that same year, President Woodrow Wilson appointed board president Robert Brookings as a member of the War Industries Board, then chairman of the Price Fixing Committee, while David R. Francis was serving as ambassador to Russia. All told, more than 50 faculty members took leaves of absence or spent the bulk of their time on government work.

Amid the patriotic fervor that engulfed the campus, some faculty signed up to fight. In 1914, French instructor Maurice Fauré enlisted in the French army and in 1915 was awarded the Croix de guerre. Many students also enlisted, draining men from upper classes, graduate programs, and the law school. By the end of 1917, 200 faculty and students had signed up, and on December 19 a service flag with 200 stars was hoisted over University Hall. The next day an 83-star flag went up over the medical school. Eventually, 410 graduates and 93 undergraduates received commissions, and 22 students, staff, or alumni died while in service.


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Julia Stimson (1881-1948). When Base Hospital No. 21 embarked, Stimson, M.S. '17, was head nurse. Later the Red Cross promoted her to head its entire nursing service, and soon she became Chief Nurse of the American Expeditionary Forces, a signal honor. Stimson won a Royal Red Cross, first class, from the British government.

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Students' Army Training Corps.
"During the period of the S.A.T.C.,” said the Washington University Record, “there was a noticeably less desirable standard of behavior maintained than is usual at this institution. Smoking and the use of profanity...was observable, whereas under ordinary conditions they are practically absent in those parts of the University frequented by the women students.”

WU Archives
Meanwhile, faculty devised courses to meet war-related needs, such as Dean Alexander Langsdorf's engineering school course on radio communications, or did war-related laboratory work. In 1913, Roland Usher wrote a book, Pan-Germanism, that predicted the war with chilling accuracy and made him a popular speaker, but his anti-German sentiment brought angry demands from the community that he be silenced. In response, Hall made the University's first public statement supporting academic freedom.

Women of the University contributed, too, staffing one Red Cross unit that produced nearly 550,000 dressings in one six-month period; in 1918, Graham Chapel was dismantled to make room for this activity. A knitting unit was established, successful "Liberty Loan" drives took place, and Student Life spearheaded a cigarette drive for soldiers.

In spring 1917, the Fifth Missouri Regiment came to campus, using Francis Field as its drill ground, and the next January student soldiers arrived for woodworking, blacksmithing, and machine shop training. Perhaps the biggest disruption to University life, however, was the October 1918 arrival of hundreds of men in the Students' Army Training Corps (SATC), aimed at training recruits and developing potential officers. The SATC, said the Hatchet, "saved Washington from becoming a girls' college for the period of the war." Suddenly, enrollment skyrocketed; in fall 1918, the University had 1,515 students — a 50 percent increase over the previous year.

All this activity, said Hall, turned the University into "an army post." Except for McMillan Hall, the women's dormitory, every building was used for government purposes. The SATC took over the fraternities and male residence halls, using one floor of Francis Gymnasium as sleeping quarters. Temporary buildings were thrown up along Forsyth: two barracks, a 1,200-man mess hall, and a YMCA canteen, which became the first student union before it was razed in 1920. A third barracks went up northeast of the gymnasium.

On November 11, the war was finally over. The SATC disbanded in December; "Demobilization of S.A.T.C. Unit Great Blow to Washington University Co-eds" read the Student Life headline. The Washington University Union, organized in 1915 to promote the University's social side, proposed a building to honor the war dead, but a memorial plaque went up instead on the wall of Ridgley. In January 1919, the University's first Reserve Officers' Training Corps (ROTC) unit was established under former SATC commandant Major Wallace M. Craigie.

During a March 1919 banquet, the Alumni Association honored the University's war heroes, and Hall welcomed home the triumphant veterans: "We have heard it said that the golden age of heroism and bravery was in the past, but let me say that the men now are just as brave and courageous as they ever were.... We greet you in tears of gratitude."
Exposing EVOLUTIONARY ANSWERS

Professor Jonathan Losos and members of his research team study lizards to understand the origins of diversification and how organisms survive.

by Janni Simner

Jonathan Losos has been fascinated by dinosaurs since he was a child. His fascination expanded to include living reptiles after he acquired some pet caimans—close relatives of alligators—the year he was 11, and he’s been turning to lizards for glimpses of the past ever since.

As professor of biology in Arts & Sciences at Washington University, Losos uses lizards to integrate questions of ecology and evolution. He seeks to better understand how organisms survive in their present-day environments, how they’ve changed over time to fit into those environments, and how they’re continuing to change. “We can’t go back in time,” Losos says, “but we can see what happens today.” And, if one sees well enough, one can extrapolate back to understand how similar changes have occurred over millions of years.

Losos’ primary focus is on the Caribbean-based Anolis lizards. These lizards are particularly well suited to evolutionary studies, being at once tremendously diverse—more than 300 species exist—and fairly isolated, since there’s no contact among the lizards on different islands. Yet Losos has found that in spite of this isolation, the lizards on different islands tend to evolve in similar ways.
He and his students conducted a detailed Anolis study in the Greater Antilles; on each island they looked at several species and found each adapted to a particular habitat. One species specialized in living on narrow twigs, for instance; a second confined itself to the lower reaches of tree trunks; a third to ground-level grasses. This in itself was not new; biologists have been observing habitat-specific adaptations since Darwin. What was striking was what Losos observed across the four islands: Not only were the lizards different, but they were different in the same ways. Twig-dwellers tended to be thin and short-legged, for instance (not on one island, but on all). Likewise lower-trunk lizards had long legs and stocky bodies (no matter what island they were on). Yet the similar-looking lizards were clearly very different species; DNA analysis conducted in collaboration with Professor Allan Larson’s lab confirmed the fact. (Larson also is a professor in the biology department.)

Losos says the study illustrates just how pervasive adaptation and diversification really are. “We see these species competing very strongly for resources,” he says, “and that competition leads them to change their use of the habitat to avoid interacting with each other. In miniature form, it’s a picture of the great evolutionary events in Earth’s history.”

The Greater Antilles adaptations were necessarily observed after they had occurred. One of Losos’ more recent studies seeks a more direct view. On 12 tiny islands in the Bahamas, he conducted a thorough survey of the existing Anolis populations. Then, taking advantage of the absence of a larger predatory lizard (although these predator populations come and go naturally among these small islands), he introduced the predators to half the sites. Not surprisingly, Losos says, after only a few weeks, “the populations on the islands with the predators are substantially lower in number. But, in turn, the survivors are farther up in the vegetation—and using narrower perches.” These survivors still have the long legs they evolved for lower dwellings, however, and they may be having some trouble with their new lodgings. The question is whether their descendants will, as Losos predicts, change over time, developing shorter legs and other characteristics similar to their twig-based counterparts in the Greater Antilles. “We’ll monitor them over the next five to 10 to 20 years,” he says, “to see if they do in fact adapt to their new circumstances.”

Another earlier Bahamas study, conducted with University of California–Davis colleagues Thomas Schoener and David Spiller, provided an unusual chance to observe adaptation under extreme circumstances. The study began by looking at Anolis adaptations that result from competition for resources. Then, in 1996, Hurricane Lili hit the region, dramatically altering the study site.

What might look like a researcher’s nightmare was in fact a unique opportunity. Losos, Schoener, and Spiller had just finished a round of data-gathering, and so possessed detailed information on Anolis and other island populations just before the hurricane. By re-examining these populations after the storm, they were able to take a direct look at the effects of such disturbances upon populations.

They found that larger organisms such as lizards are more resistant to such disturbances than smaller ones; that larger population sizes help protect species from moderate disturbances but not from catastrophic ones; and that species that can’t move great distances—such as lizards—tend to recover less quickly than those that can.

St. Louis native, Losos decided he wanted pet caimans after seeing an episode of Leave It to Beaver in which Beaver acquired a baby alligator. His mother, Carolyn Losos, A.B. ’54 and an Arts & Sciences National Council member, was reluctant to have an alligator—or one of its near relations—in her home, but she deferred the question to Charles Hoessle, a friend of Losos’ father. At the time Hoessle was deputy director of the Saint Louis Zoo, and he thought owning caimans was a fine idea; he’d gotten his own start in zoology in a similar way. “So my mom was stuck,” Losos says with a laugh. “I got the caimans, and everything else is history.”

Losos’ teachers in the Ladue (Missouri) School District further encouraged his interest in biology and evolution. So did his undergraduate adviser at Harvard, Ernest Williams, whom Losos describes as the “grand old man of lizard studies.” Losos went on to earn his Ph.D. from the University of California–Berkeley, and did postdoctoral work at UC–Davis. He continues to collaborate with his UC–Davis colleagues, Schoener and Spiller.

In 1992 Losos returned to St. Louis and joined Washington University’s Department of Biology.

“I’m delighted to be back,” he says.
“We see these species competing very strongly for resources, and that competition leads them to change their use of the habitat to avoid interacting with each other. In miniature form, it’s a picture of the great evolutionary events in Earth’s history.”

According to biology department chair Ralph Quatrano, the Spencer T. Olin Professor, the department benefits from both Losos’ accomplishments and his enthusiasm. Losos’ work has appeared in top publications such as *Science*, *Nature*, and *Scientific American*. Perhaps just as important, Quatrano says, “No matter how busy Jonathan is, if he sees something that’s important to do, he’ll do it.”

This attitude led Losos to his recent role as director of Tyson Research Center (he stepped down in summer 2003), as well as to his current role heading the College of Arts & Sciences’ interdisciplinary Environmental Studies Program. Losos is reaching across department lines and working with faculty in biology, anthropology, economics, political science, and other departments to update the program. “I think that’s important,” Losos says. “I’m very concerned about environmental issues, and it’s clear that this is a major issue to our students as well.”

Within his own department, Losos enjoys the spirit of collaboration. “The faculty are not only great scientists but also very interactive and friendly people, very collegial,” says Losos, who collaborates with Larson, Professor Alan Templeton, and Jon Chase, a new faculty member in biology, on various projects. He intends to work with Peter Morin, the incoming director of Tyson and biology department member.

In Losos’ lab, a similar spirit of collegiality prevails. “We get fabulous students at Washington University,” Losos says. “I often learn more from them than they do from me.”

“It’s a great mix of people and ideas,” agrees Jason Kolbe, one of Losos’ graduate students. Graduate student Luke Harmon adds, “Dr. Losos is really supportive, but he also gives each of us enough space to be creative with our own projects, to become independent scientists.”

This fall Losos is teaching the new Freshman Seminar in Environmental Studies, as well as co-teaching an earth and planetary sciences course on dinosaurs, which is cross-listed in environmental studies, for nonmajors.

He looks forward to using his childhood fascination to reach a new generation of students. “They think they’ll just be learning about cool, big beasts,” Losos says, “but we’ll also be teaching them about evolution, physiology, and continental drift. They’re going to learn a lot about how science operates.”

Losos is designing new research studies to examine whether the degree of adaptation observed among *Anolis* lizards also applies to species in Africa, the southwestern United States, and among isolated populations right near St. Louis. While Losos’ prediction is that there will be similar patterns in all these places, he cheerfully admits that he doesn’t know for certain what he’s going to find. “That’s what’s so exciting,” he says. “We know so much already, yet unexpected findings can still increase our understanding.

“That’s great for someone who’s curious. It’s always exciting to find out what the answers will be.”

Janni Simner, A.B. ’89, is a freelance writer based in Tucson, Arizona.
Expressions of Faith
Best-selling author Anita Diamant shares her faith, the importance of friendships, and a sense of community, in both fact and fiction, with her readers.

by Betsy Rogers

Two defining characteristics have shaped the life and work of author and alumna Anita Diamant: She is a woman, and she is Jewish. The deep wisdom of both women’s reality and Jewish tradition dominate her writing and often twine together in her books.

Take her best-selling historical novel *The Red Tent* (Picador USA, 1997), which she describes as “my imaginary jazz riff” on the biblical story of Dinah in Genesis. Diamant first considered writing a novel about Rachel and Leah—the two wives of Jacob (the “Father of Israel”)—whom the Bible portrays as contentious rivals. “It occurred to me that there had to be more there,” she says, “that they couldn’t just be enemies in their family situation. They had to collaborate, too.”

Dinah was Leah’s daughter and the central character in a difficult story of alleged rape and murderous revenge. “I kept bumping up against the Dinah story,” Diamant says, “and it’s got such a great plot—a very sexy, violent, disturbing story. So I went with her.”

As the novel unfolded, it became the story of women, their shared communal life within the larger tribal community, and their tireless efforts to knit their families together.

*The Red Tent* became a publishing phenomenon. Released with no advertising budget and few reviews, its audience mushroomed due to independent bookstores’ support and word-of-mouth among its wildly enthusiastic readers. The novel has gone into multiple paperback printings and appears in foreign-language editions in 20 countries around the globe, from Korea to England, Lithuania to Spain. It has received rich accolades, including the “Best Fiction” selection by the independent booksellers’ alliance, Booksense.

Fast-forward 3,800 years from Dinah’s era to contemporary Gloucester, Massachusetts, the setting of Diamant’s second novel. Though very different in time and place, *Good Harbor* (Simon & Schuster, 2001) also concerns women's relationships, this time the unfolding friendship of two women who meet after services at their synagogue. One is a graceful 59-year-old, newly diagnosed with breast cancer. The other is 42, lively, bright, and baffled by the growing distance between herself, her husband, and her daughter. As the bond between the two women grows, they help each other understand their old hurts and new crises, moving through and beyond them.

The novel illustrates what for Diamant is an important truth about women's friendships. “Culturally women's friendships have been trivialized and demonized,” she says, “but we know how important and powerful these relationships are. They hold us together—and they keep our families together, too.”

For Diamant, writing and the topics she chooses have deep spiritual content. “Writing books deepened my connection, my understanding, my commitment ...,” she says.

Really, I was in awe of the psychological and psychospiritual wisdom of this ancient tradition, which asks you to sit still for a week and feel what you’re feeling and to re-enter the rest of your life at a measured pace, but insists that you do re-enter it.”

Her commitment to the spiritual life of her community has led her recently to establish Mayyim Hayyim: Living Waters Community Mikveh and Education Center. In Judaism, a mikveh is a ritual pool for symbolic purification and transformation. “Every religious tradition in the world uses water as a means of spiritual transformation,” she points out.

Though there are mikvehs in the Boston area, where Diamant lives, she found them crowded and not conducive to reflection. “It was my dream,” she says on her Web site, “to create a mikveh where time and gracious space were available for converts and their families and friends.” She gathered an interested group, which grew into a “fabulous board of directors” and an ever-widening circle of initiatives in conversion, healing, spiritual renewal, and education.

“Spirituality” is not a traditional Jewish word,” she muses. “In Judaism, there’s no separating the spiritual from the mundane. The notion that you’re connected to something bigger than you isn’t a separate category. But in American society, spirituality is part of our vocabulary, so I think there’s a searching for an authentically Jewish notion of spirituality. There’s a yearning for it.”

Diamant’s attention to making such connections also played a pivotal role during her college years. Originally an undergraduate at the University of Colorado, she transferred to Washington University as a junior. “It was a very happy transfer,” she says with feeling. “I loved my two years at Wash. U.” Diamant graduated with a degree in comparative literature in 1973.

She attributes much of her writing success to Harry Marten, then a young faculty member in the Department of English in Arts & Sciences. “I think I took every course he offered,” Diamant says. Marten suggested graduate student Sondra Stein as a writing tutor for Diamant. “Between the two of them,” she says, “they completely changed my writing. Washington University was very crucial to me.” She and Stein remain close friends, and she still keeps in touch with Marten, whom she names as her favorite English professor in her latest book, a collection of essays called Pitching My Tent (Simon & Schuster, 2003).

Diamant’s parents were both Holocaust survivors, and she readily acknowledges that history’s formative power. “It is part of my personal background,” she observes. “Growing up with that, I embraced a sensitivity to justice and human rights—and that informs all that I do.”

Betsy Rogers is a freelance writer based in Belleville, Illinois.
At Aspen Technology, alumnus Peter Hanratty uses computer modeling to help chemical plants and refineries around the globe run more efficiently.

by David Linzee
Peter J. Hanratty's extraordinary mind ventures far out into the impenetrable reaches of computer programming, and deep into the atomic complexity of chemical reactions. His two obsessions might seem remote from each other, and even farther from "real life," but Hanratty fuses them and puts them to very practical use. He creates computer models that help oil refineries (producers of gasoline to run our cars and oil to heat our homes) and chemical plants (manufacturers of plastics for our cars, toys, and packaging, and of fiber for our clothes and carpets) run more efficiently. He was one of the pioneers of this important and rapidly expanding field, called Real Time Optimization (RTO).

Hanratty's love of science was inherited. His father was a professor of chemical engineering at the University of Illinois at Urbana-Champaign. As a boy, Hanratty had a chemistry set, and he knew early on what he wanted to do. "The only wavering I did was between chemical engineering and physics," he jokes.

He discovered his other passion when he found the Illinois campus computer center. This was in the 1970s, when a computer wasn't a friendly little PC on the corner of a desk, but a mysterious bulky machine that took up an entire room. Unintimidated, Hanratty sat down at the keyboard and began to play. The computer games of the era did not hold his interest for long; by age 12, he had taught himself how to program computers.

While studying for his bachelor's degree at the University of Wisconsin-Madison, he decided the area of chemical engineering that most fascinated him was reaction engineering. He came to Washington University to pursue this interest, earning a master's degree in 1988 and a doctorate in 1991.

Reaction engineering, which is the science and mathematics to quantitatively describe and predict a chemical transformation, may sound dauntingly technical, but, Hanratty explains: "It's just taking one set of chemicals and converting it into another. You do it at home all the time." He uses baking a cake as an example. A cook combines the flour, sugar, and other ingredients and puts them into the oven. What comes out is very different and, Hanratty notes, a lot better tasting. A cook who wants to bake the best cake in the shortest time experiments, adding more sugar or less butter for a tastier result, or setting the oven at a higher temperature to see whether the cake bakes faster or burns on the outside.

Hanratty asks himself analogous questions when he is trying to figure out the most efficient way to run oil into gasoline. First, his team members find out as much as possible about the plant. Next, they use that information to create a computer model. Then they take the model to the plant to verify how accurately it reflects the conversion process. This is tricky, because conditions are constantly changing. The age of the equipment in a particular plant affects how well it operates. The chemical properties of the oil going into the refinery vary from day to day. Shifts in the weather also affect the process. And there are a thousand other variables that the computer model has to take into account. Once the model is perfected, it can—to a considerable degree—run the plant.

"You don't need an engineer trying to figure these things out," Hanratty says. "It's automatic—24/7, the computer model is making decisions and implementing changes in the conversion process."

As more plants apply RTO, they will have fewer maintenance problems, making them safer for workers. Consumers will see lower prices. The environment will benefit, too, because plants operating at peak efficiency produce less pollution...

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As a director in global solutions at Aspen Technology, he travels from his Houston base to refineries and chemical plants all over the world. His greatest challenges do not arise from computers or chemicals—they arise from dealing with people. As a result, he has been exposed to a diverse set of business cultures. Dealing with people is a complex issue everywhere in the world. Varying company cultures and local customs make dealing with people on a worldwide basis even more challenging, he says. For example, in one company, two executives might meet to discuss a situation; in another company, 20 would meet, vying with each other to prove their savvy. In yet another company, a message has to pass through layers of intermediaries, possibly changing its substance slightly with each transmission. He has been
reached the point that made it feasible, and Hanratty, then a freshly minted D.Sc., played an integral role in its development. He sees unlimited potential for the field. “Companies are saving millions of dollars a year by running plants more efficiently,” he says. “So far we’ve only scratched the surface.”

As more plants apply RTO, they will have fewer maintenance problems, making them safer for workers. Consumers will see lower prices. The environment will benefit, too, because plants operating at peak efficiency produce less pollution and because companies getting higher productivity from their existing plants will not have to build new ones.

In addition to RTO, Hanratty is interested in other areas of engineering, particularly reactor modeling. This application allows decision-makers to understand the chemical processes going on in their plants better and, therefore, operate their processes more effectively. Reactor modeling can transform many different pieces of information into a few valuable pieces of information. “These days, our problem is not too little information but too much,” he notes.

Peter Hanratty, M.S.Ch.E. ‘88, D.Sc. ‘91, says that the best thing about being at the University was meeting his wife, Frieda Wang Hanratty, B.S.Ch.E. ‘84, M.S.Ch.E. ‘84, D.Sc. ‘92.

tested all over the world on the local cuisine, Hanratty says. “They want to know if you’ll eat, say, raw squid.” His rule is that he’ll try anything—providing his hosts eat some first.

Spending about half his time on the road, he has visited more than 15 countries, including Argentina, China, Finland, France, and Malaysia. He has also traveled widely in the United States. While some envy him, regarding his job as an endless vacation, Hanratty says wryly, “They don’t tend to build oil refineries near resorts.” In fact, he has spent a lot of time in remote, small towns. Yet his travels have impressed him with how the world is getting smaller. When he looks for a present for his wife and daughter, he says, he has a hard time finding anything anywhere that he can’t get at home.

Aspen Technology has applied Real Time Optimization to more than 100 plants worldwide, yet the process is still relatively new. Around 1990 computer technology

Hanratty is married to Frieda Wang Hanratty, who earned her bachelor’s, master’s, and doctoral degrees in chemical engineering at Washington University. She, too, worked at Aspen but has recently left to spend more time with the couple’s daughter, Monica, 7.

Looking back on his years at the University, Hanratty is particularly grateful to Professor Babu Joseph and Milorad P. Duduković, the Laura and William Jens Professor, chair of the Department of Chemical Engineering, and director of the Chemical Reaction Engineering Laboratory, because they helped Hanratty refine his ideas on the subject. Yet his time at the University wasn’t only one of intellectual development. He made many friends, “and the best thing,” he says, “was that I met Frieda.”

David Linzee is a free-lance writer based in St. Louis, Missouri.
A Shared Life

The Bushes embody the past, present, and future of Washington University, and their dedication and enthusiasm have benefited generations of students.

Editor's note: Frank Bush died on November 20, 2003, as this issue of the magazine was going to press. The Washington University community was deeply saddened by the loss of our great friend and colleague, and we present this profile to honor his memory.

For many alumni, the 50th college reunion marks the culmination of their relationship with their alma mater. For Frank and Florence Bush, it was a new beginning.

During his 50th Reunion in 1980, Frank Bush met David Blasingame, vice chancellor for Alumni and Development Programs, who was then director of development for the Olin School of Business. Their conversation rekindled Bush's interest in the School. "Frank called himself a born-again alumnus," says Blasingame. "He and Florence dedicated themselves to the success of the University and its students."

Julia Jane Stupp, M.B.A. ’83, executive vice chair of the Alumni Board of Governors, says: "I had the good fortune to meet the Bushes more than 20 years ago, and I am tremendously grateful for their welcome, guidance, and friendship. Frank and Florence Bush hold the history, experience the present, and see the future of Washington University. They are leading examples of how a lifelong involvement with the University makes our community strong."

One of the people who inspired Frank Bush's renewed commitment to the University was Robert L. Virgil, former dean of the School of Business and University trustee. Virgil values the Bushes' friendship and support for the effort to put the Olin School of Business "on the map," as Bush describes it. Virgil says: "When I think of model alumni, Frank and Florence are the first who come to mind. They are always willing to listen. They have been very important to the life of the School."

Florence Bush takes some of the credit. "I had been a member of the Women's Society and a volunteer for the School of Art for many years," she says, "and I urged Frank to get active at the University, too. We are both so very proud of Washington University and what it has become."

Beginning in 1980, Frank Bush served on the Eliot Society Membership Committee for the Olin School's most successful membership effort up to that time, and in 1983, he was named to the Alumni Board of Governors as vice chairman for Planned Giving and joined the School of Business Alumni Association Executive Committee. He remained active on both boards for more than 15 years, in addition to chairing the Washington University Association, which sponsors the popular Travel
Lecture series. He currently serves on the University’s Endowed Scholarship Committee.

In 1986, Frank Bush received a Distinguished Alumni Award at Founders Day, and in 1998, the Olin School of Business honored him with the Dean’s Medal. In 2001, the Bushes established life income gifts that will endow a scholarship at the Olin School of Business; a classroom and conference room in the Sam Fox Arts Center; and a chemistry lab in the new Arts & Sciences Laboratory Science Building.

Supporting Scholarships and Students
Frank Bush and Florence Austin both grew up in St. Louis and met at a school dance while she was still in high school. “I was interested in Westminster College,” Frank recalls, “but my parents talked me into going to Washington University. I’m glad they did—I had a great time and made a lot of friends, and was manager of the football team for four years.”

Following graduation, the Great Depression made jobs difficult to find. Bush sold oil burners for a couple of years, but he always wanted to be in business for himself. He found the right fit in the insurance industry. He began his career at Lawton-Byrne-Bruner, Inc., a property and casualty insurance firm (now part of Marsh & McLennan, Inc.) by working for two months without pay—a common practice at the time—and retired from the firm as vice president 49 years later. (He and Florence married in 1934.)

In 1980, the Bushes were among the founding sponsors of the Scholars in Business Program. Kellie Trivers, B.S.B.A. ’84, who was the recipient of the Bushes’ annual scholarship for two years, says: “We met at the business school’s scholarship dinner, and they became mentors to me—they have been a very important part of my life. Frank and Florence are genuinely interested in students and their success, and that is why they are such wonderful role models. They are a great example of how the annual scholarship program can benefit donors and recipients alike—they stay involved because they are truly ‘young at heart.’”

The Bushes enjoy meeting and working with people. At Washington University, their enthusiasm has benefited generations of students. Beyond their generous contributions of financial support and service, the Bushes have given unstintingly of themselves, participating in phonathons and class Reunion committees, and greeting prospective students at the April Welcome program. One year, they pitched in to help make salads for the Olin School’s annual Thanksgiving dinner for students, faculty, staff, and friends.

A Sense of Satisfaction
For more than 20 years, Frank Bush has worked to advance the Olin School of Business. He remembers the School’s first volunteer appreciation party, a small reception for about 20 guests, which has grown into the annual Dean’s Holiday Reception for nearly 200 people.

Olin Dean Stuart Greenbaum says: “The Bushes have been extraordinarily supportive and helpful since the day I arrived. They are enthusiastic and engaged with the Olin School, and no words can describe how deeply I have appreciated their friendship.”

Upon receiving the Dean’s Medal in 1998, Frank Bush said: “There’s a tradition and legacy at the business school that didn’t exist when I graduated. I have a very, very fine sense of satisfaction that my contributions, in a small way, have helped the Olin School become one of the most prominent in the world.”

Coming Back and Giving Back
In 2000, on the occasion of his 70th undergraduate Reunion, Washington University established the Frank J. Bush Reunion Leadership Award, which pays tribute to his inspiring enthusiasm and his exemplary dedication:

“This award is named in honor of Frank J. Bush, a member of the Class of 1930. Whenever called upon, Frank rolled up his sleeves and took on any job to enrich the Reunion experience for his classmates and others.”

For Frank and Florence Bush, they say they’ve also been enriched. When asked what motivated their activities at the University for so many years, they agree that “Washington University is such an exciting place—we wanted to see what would happen next. There is always so much to look forward to.”

—Susan Woolseyhan Caine
Alumni and friends celebrated the 150th anniversary of the University's founding by commemorating the past and reflecting upon the University's important role in the future. An entire week of special events and activities featured the 150th Birthday Party on September 14 and Founders Day on September 20, and much in between.

The Honorable Robert J. Dole, former Senate majority leader and 1996 Republican presidential nominee, was the featured speaker at the Founders Day dinner on Saturday. Brooking's Award winner Sam Fox, B.S.B.A. '51, looks on.

DISTINGUISHED ALUMNI AWARDS

Geoffrey E.H. Ballard, Ph.D. '63
Norman Foster, B.S. '60, M.S. '64
Caryn Mandabach, A.B. '71
Bennett A. Shaywitz, A.B. '44, M.D. '68

More than 800 guests attended the annual Founders Day dinner September 20 at the America's Center, where distinguished alumni and faculty were honored.
James W. Davis, professor of political science in Arts & Sciences, led a forum on the Normandy Invasion on Friday.

Pulitzer Prize-winning journalist Thomas Friedman opened this year's Assembly Series during Founders Week; he'll be back on campus as the Commencement keynote speaker in May.

As part of the Birthday Party, the Chinese Student and Scholar Association presented a musical stage show of traditional Chinese fashions in Edison Theatre.

University leaders reviewed the past and planned for the future at the first joint session of the Board of Trustees, National Councils, and the International Advisory Council for Asia on Friday. Board members reporting were (from left) Jack E. Thomas, Jr.; Ronald L. Thompson; Roma B. Wittcoff, B.S.B.A. '45; John P. Dubinsky, A.B. '65, M.B.A. '67; Ned O. Lemkemeier, J.D. '62; William F. Patient, B.S.Ch.E. '57; Robert J. Skandalakis; Earle H. Harbison, Jr., A.B. '48; William Danforth, chancellor emeritus (in for Lee M. Liberman, M.L.A. '94); Jerome J. Sincoff, A.B. '56, and David W. Kemper, moderator.

Distinguished Faculty Awards

Jay R. Turner, D.Sc. '93, associate professor of chemical engineering
William E. Wallace, the Barbara Murphy Bryant Distinguished Professor of Art History
Alison J. Whelan, M.D. '86, associate professor of medicine
Peter J. Wiedenbeck, professor of law

Robert S. Brookings Awards

Sam Fox, B.S.B.A. '51
Jack C. Taylor, BU44

Faculty, staff, and even campus landmarks sported red "150th" logo shirts during Founders Week.
C. Barber Mueller, MD 42, professor emeritus of surgery at McMaster University in Hamilton, Ontario, Canada, received an Honorary Doctor of Science at the university’s health sciences mid-1980s and has been a leader of the state in employing new technology.

Philip S. Norman, MD 51, of Baldwin, Md., remains active in research and teaching as professor of medicine at Johns Hopkins University in Baltimore, where he founded the Division of Clinical Immunology in 1970.

The Hon. Paul J. Simon, BU 56, has retired as a judge on the Mississippi Court of Appeals and is looking for a position in that position for more than 23 years. He will continue as a senior judge, and he hopes to serve as a mediator. He will be in charge of his son’s case in 1997. He has been a partner in the Mississippi District Court of Representatives, and then became president of the St. Louis Board of Aldermen. He and his wife, Mary Jane, have five grandchildren.

Sam Hardy, LA 57, a retired information systems manager, who resides in Cape Creek, Ariz., taught English to middle-school students in Romania and worked on other teaching and childcare projects there during three weeks in May 2003 as part of a Global Volunteers team. This was his fourth time to volunteer with the group.

Ricard Myers, MD 65, has 44 years in advertising and public relations, has volunteered communications services, including graph-ics and public relations. He also has received the Illinois Governor’s Award for unique achievement, the AARP/Illinois Carnation Award, and the Kimmel Community Service Award from Southern Illinois University—all for community service.

The University trustee Arnold B. Zetcher, BU 62, member of the Olin School of Business National Council and chairman, president, and chief executive officer of Talbots, which manufactures stylish women’s wear and a man’s line this year for the first time, owns a thoroughbred race horses and is building a racing stable in Southern California.

Margie Shaw Stoll, LA 63, of Nashville, won gold medals in the 5K and 10K road races at the National Senior Games in June 2003 in Hampton Roads, Va. She also holds several Tennessee state records for single-age running races.

George H. Wittenberg III, AR 63, AR 63, during his decades-long career as an architect, has kept alive his love for painting and his skill as a painter. He has been combining his love of travel with his art by painting postcards—generally 7 x 10—in places he visits.

The Arkansas artist is now garnering much attention, and a month ago, he was planning a postcard of the San Francisco Museum of Modern Art, took a $1,500 purchase award at the 2003 Mid-Southern Watercolorists Exhibition at the Arkansas Arts Center in Little Rock.

Bob Arzenz, EN 64, SI 67, SI 69, despite having lost his sight nearly 20 years ago to juvenile diabetes, still loves cycling, which he does often on his recumbent tandem bicycle. Several times weekly, he and Jim Wolfe, his friend since childhood, ride 23 miles on Grant’s Trail in St. Louis County. Arzenz resides in St. George, Mo.

Royanne Chippas Bailey, LA 61, received a Master of Arts degree in the history of decorative arts from the University of Illinois at Chicago New School University in New York City with the Smithsonian Associates in May 2003. She attended the two-year program part time after retiring as an associate counsel with the Office of General Counsel of the Navy in 1998. Student proj-ects included researching the appropriate design for a carpet to replace the missing original in Mount Vernon’s west parlor. She has presented papers at the Historical Society of Newport (R.I.) County and at the Smithsonian Institution in Washington, D.C.

Washington University in St. Louis Winter 2003
of trustees of Rex Hospital in Raleigh, N.C., a division of the University of North Carolina Healthcare System.

Robert Louis Chiamese, GR 66, GR 71, professor of English at California State University in Northridge, has retired after 34 years of full-time teaching. He received the 2003 Outstanding Faculty Award there and a Fulbright lecture/scholar award, which will allow him to teach American studies in Bulgaria in spring 2004. Robert says he and his wife, Paula, camped and drove more than 12,600 miles around the United States in fall 2002 on their “Search for America” tour and rediscovered the delights of the Ozarks. He and Kevin C. Morrin, Jr., LA 61, and Rudi A. Prusok, GR 65, GR 67, completed a reunion float on the Buffalo National River in Arkansas in summer 2003.

Robin E. “Bob” Herrreich, LA 67, GB 67, University trustee and minority owner of the Kings, Sacramento’s professional basketball franchise, moved to that area to assist in the growth of the team. He plans to help redevelop downtown Sacramento and resolve its cable television situation. Herrreich, a member of the Olin School of Business National Council, has four children—Ashley, 26; Jesse, 18; and Bess and Ben, 14.

Ralph O’Hara, GB 68, joined Hudson Highland Group, an executive search, staffing, and human resource consultancy based in New York City, as vice president and controller in July 2003. Previously, he was chief financial officer of the Episcopal Church and before that was controller of GATX Corporation, a Fortune 1000 company.

Jacob W. Reby, BU 68, was elected to the American College of Real Estate Lawyers. Of 26,000 lawyers in Missouri, only 24 have been elected.

Mary Lou (Randell) Robken, BU 68, a CPA/CPE in Carmichael, Calif., was elected president of the Sacramento chapter of the California Society of Certified Public Accountants for 2003-2004. She also is president of the Sacramento chapter of the American Society of Women Accountants. She and her husband, Stuart, are partners in Robken & Company.

Vicki Rottman, LA 68, of VR Productions in Denver, had her work exhibited in the 20th annual Sculpture in the Park event at the Benson Sculpture Garden in Loveland, Colo., in August 2003.

Fred S. Zeidman, BU 68, managing partner of WoodRock & Company, a business consulting firm in Houston, Texas, was appointed by President George W. Bush in March 2002 as chairman of the governing board of the United States Holocaust Memorial Museum, in Washington, D.C. Zeidman, a prominent business and civic leader, is vice chairman of the board of regents of Texas Southern University, is Texas state chairman for Israel bonds, and plays a leadership role with numerous other organizations.

Amanda Murphy, NU 69, president and CEO of Hopewell Center in St. Louis, received the 2003 Salute to Excellence in Health Care Lifetime Achiever Award from the St. Louis American Foundation and the Mound City Medical Forum in November.

Gerald N. Padawer, LA 69, was promoted to managing director of investments for Wachovia Securities. He oversees assets of more than $100 million for a select number of high-net-worth families across the United States.

Maury Pocover, LW 69, partner at Husch & Eppenberger, was honored as a Distinguished Alumnus by the University’s School of Law for professional achievements and contributions to the community and legal profession.

David Seagraves, FA 69, who settled in Elizabeth, Ill., with his family in 1987, has been making a living for 15 years by combining art, engineering, and history to create public art. Sculpting stone or wood, he creates three-dimensional figures, often larger than life, that are meant to be seen in public spaces, streets, and galleries. His works include Blackhawk, a large statue overlooking the Rock River in Oregon, Ill.; religious icons for churches in Illinois, Indiana, and Iowa; and a high-relief wall-hanging depicting Illinois history, a work commissioned by the Illinois National Guard. Helping with the wall-hanging was Seagraves’ daughter, Glenda, also an artist.

From left above is Sarah Johnson, A.B. ’01; Trina Williams, B.S.B.A. ’92, M.S.W. ’00, Ph.D. ’03; Ben Cannon, A.B. ’99; and Ian Klaus, A.B. ’01. The first scheduled event in STORIES: The Alumni Speaker Series, the panel was moderated by another alumnus and Rhodes Scholar, Michael Cannon, A.B. ’73, executive vice chancellor and general counsel at the University, and Ben Cannon’s uncle. According to Michael Cannon, “Hosting four such remarkable young scholars at the University, and doing so during Founders Week, was a real privilege for me. Receiving a Rhodes Scholarship is a wonderful honor, and the experience changes your life forever intellectually, professionally, and emotionally. The experience routinely prompts Rhodes Scholars like our panelists to reflect a good deal on how certain people...
National Institutes of Health. Bloom, recognized as an international authority on Aleutian mound disease, persistent infections, and pneumonia, has received several Special Service Awards from NIAID.

Linda Russell Moran, PT 71, has been working since 1986 in the field of therapeutic massage and hypnotherapy. She is the director and therapist for a small program in Greenville, N.C. Moran, and her husband, Jon, have two sons.

Judy Pfaff, FA 71, a teacher and co-chair for the art department of Bard College at Annandale-on-Hudson, N.Y., since 1995, has a six-week solo exhibition at Denver's prestigious Robinson Gallery in spring 2003. On display were 22 of her mixed-media drawings, which filled the main room of the gallery. The interconnected pieces demonstrate the influence of Victorian interior decoration, based on motifs from the large Italianate mansion Pfaff recently bought in Kennebunkport, Maine, and on details of a Manhattan museum.

Susan Brast-Sloan, LA 72, and Patrick O'Connell were married in Chicago on July 5, 2003. He is a senior computer systems analyst at Transunion. She serves as a licensed clinical professional counselor and nationally certified school psychologist for Libertyville (Il.) public schools. Brast-Sloan has two children—Daniel and Rachel, LA 01. E-mail: susanbrast@yahoo.com.

Stan De Loach, LA 72, clinical psychologist and certified diabetes educator, is open to combining the two disciplines near his home in Mexico City. He will counsel insulin-dependent diabetic clients, primarily adolescents. E-mail: saludo@usa.net.

Ronald J. Fasold, TI 72, retired as president of Crane Valve North America in 2002 and relocated to St. Louis to be with his children and grandchildren.

Karen Fischer-Northrop, PT 72, is in private practice in the San Francisco Bay area, specializing in geriatric care.

Samuel Dednam, LA 73, De 75, the first African American to graduate from the University's School of Dentistry, operates Senior Care Dentistry in a medical building on St. Alexius Hospital's Jefferson campus in St. Louis. There, in a small office, he, along with his wife, LaVerne, and two daughters, works part-time providing dental services for those who otherwise would likely go without. Most of his clients are poor and live in nursing homes. That's the clinic's future—until the Missouri Foundation for Health recently granted the clinic $1.5 million, which will provide for hiring additional staff to reach the goal of serving 120 nursing homes in the city of St. Louis, Missouri.

Michael Murrah, LA 73, recently delivered a lecture at Columbia, Mo., for three weeks in June and July 2003 to travel with his wife, Darlene, to southern France and to celebrate their 15th wedding anniversary during two weeks in Paris.

The Hon. Richard B. Teitelman, LW 73, Missouri Supreme Court justice, was reappointed chair of the American Bar Association's Commission on Mental and Physical Disability Law, making this his third year in that position. Also, he received a Lifetime Achievement Award from the St. Louis Society for the Blind and Visually Impaired.

Michael Willis, BW 73, SW 76, GA 76, president of Michael Willis Architects, based in San Francisco, and Rodney Henni, GA 83, principal and design director of the firm, were key architects for the renovation of the Boulevard Community House in San Francisco, a project for which the firm received a 2003 Merit Award from the California Council of the American Institute of Architects.

Joe Davidson, EN 74, of Kansas City, Mo., who spent many years in the steel industry, recently began a new career in advertising where he recently made an assignment with Trozzolo Creative Resources, a marketing firm in Kansas City, Mo. E-mail: joe@trozzolo.com.

David Frenkel, LA 74, is still playing soccer and Frisbee®, practicing psychiatry, and still learning about marriage and fatherhood. His son is now attending the University for the 2004-05 year.

Paul M. Kochis, LW 74, regional president for the private wealth management group, a core business within Mellon's Mid-Atlantic region. He and his wife, Amy Millman, who also works for Mellon, reside in Villanova, Pa. They have three adult children and two grandchildren.

Branch Morgan III, LA 74, is celebrating almost three decades of professional dancing. He performed in the 30th season dance concerts of the Sva Anda Dance Company, Oct. 25 and Dec. 26, 2003, at the Baltimore Museum of Art. Branch also teaches French, Spanish, and dance at Baltimore City College.

David Benson, OT 75, who is retired from the U.S. Air Force, works part time doing transit evaluations related to the Americans with Disabilities Act for the city of Colorado Springs. He writes, “All the kids are gone except for the last one, who is one year away.” Benson has three grandchildren.

Paul Kotasik, LA 75, in his 28th year of service with the federal government, is interim director of marketing and public affairs for the U.S. Army Reserve Command, parent organization of the Army ROTC program. He provided significant input to an address given by President George W. Bush in April 2002, which was broadcast live worldwide. Kotasik and his wife, Laurie, reside in Newport News, Va. E-mail: pkotasik@msn.com.

John Ryan, GF 75, an animator with Dagnabit!, used a brushed-ink-and-watercolor style for the “Souls” television commercial for the 2003 National Black Arts Festival. Still images and Quicktime movies are available at www.dagnabit.tv.

Alan Steinberg, GL 75, of Steinberg Steinberg law firm, is a member of the board of directors of Eagle Bank and Trust Company, which serves three areas in Missouri—metro St. Louis, Jefferson County, and Perryville. He is also a member of the District Court's Eastern Division, 8th Circuit Court of Appeals, and is in private practice with his son, Les.

Marilyn (Wandling) Von Schallwitz, GR 75 (art education), recently wrote Fighting the World's Ferriest Empire, a fiction work about a German Celt's fight against the Romans. She and her husband, a retired U.S. Army officer and retired CIA agent, have six children and 13 grandchildren. The couple resides in St. Louis. Marilyn is a member of the St. Louis Society for the Blind and Visually Impaired.

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I driver of a blue beater leaned Aaron Naparstek, who, after into a single-syllable, marathon months of such assaults, had And the driver responded in @#&.*@#&... I know where someone fuming even more, eggs, and if the honk was still in midstream when he reached Inside a nearby apartment was the window, the blue beater to the kitchen, pick up some made a decision: He'd head housebound road-rage. He kind: "I'm coming back tonight, New York Times on the "honku" phenomenon. a landing dove, and Naparstek's others had written and posted futility honking"; then he began tapping the unsigned sheets to his street's lampposts. He made a decision: He'd head to the kitchen, pick up some eggs, and if the honk was still in midstream when he reached the window, the blue beater would get it. Baughghghghghghghghghgh ... The blue beater got it. And the driver responded in kind: "I'm coming back tonight, "This is effing cool! ... I know where you live!" Terrified and remorseful, Naparstek soon realized his action was neither safe nor constructive. His solution was admirably more mature: He employed the contemplative verse of haiku and took on the subject at hand. His first creation: "You from New Jersey / honking in front of my house / in your SUV." The poem's unhurried cadence observed the maddening subject as if it was a landing dove, and Naparstek's creation, "honku," was born. He wrote more: "Smoking cigarettes / blasting Hot97 / futilely honking"; then he began tapping the unsigned sheets to his street's lampposts. Days later he discovered that others had written and posted their own "honku." The street, he says, had become "a real-life online bulletin board," complete with its own Web site, www.honku.org. Within weeks a neighborhood traffic-calming movement was born. Soon after, Naparstek hit what he calls "the elite liberal media trifecta" — as the The New Yorker, National Public Radio, and The New York Times all ran stories on the "honku" phenomenon. Then came the book publishers. "A couple of people were saying, 'Oh, man, you need to put these together in a book,'" Naparstek says. "I told them: 'I just want to do something about the honking.'" And he and the other neighborhood poets did manage to stop the honking for a good month or so, with the help of the New York Police Department, which came out and enforced the "No Honking (except for emergencies) $125 fine" sign on Naparstek's corner. Somewhat pleased with the movement's quiet progress, he reconsidered the book idea. He signed a contract in the summer of 2002, and Honku: The Zen Antidote to Road Rage was published by Villard (New York) a year later. An interactive media producer, Naparstek soon found transportation advocacy making its way into his daytime career. His knack for both community organizing and attracting media attention landed him a role with New York City's Transportation Alternatives, with whom he's helped create a significant increase in car-free hours in Prospect Park and other pedestrian and cyclist improvements in Brooklyn. Naparstek's greatest thrill is knowing that "You can actually organize, and then compel the system to change." A history major, Naparstek credits his WU experience for developing this drive. In particular, he cites the University's FOCUS program for freshmen and two specific history professors, Henry Berger and Mark Kornbluh. "I took these amazing freshman FOCUS classes," he remembers, "about civil rights, labor movements, the history of American political action. It's something that has always been interesting to me, not just in theory, but in practice. I got a lot of that from Berger and Kornbluh." From egg-slinging to verse-zinging to change-bringing— it's a development his professors can be proud of. —Stephen Schenkenberg
to associate professor in the College of Architecture, Urban and Public Affairs at Florida Atlantic University in Boca Raton, Fla.

Jeffrey H. Cannon, BU 82, was appointed senior vice president of commercial real estate for Union Pacific Bank in Rapid City, S.D.

Thomas Coyle, UC 82, plans to bring 60 Roly Poly Original Rolled Sandwich restaurants to the St. Louis area over the next two years. The fast-food chain, started 30 years ago in Atlanta, specializes in rolled sandwiches, cold and hot, in about 50 different combinations. Coyle is master developer for the company's Midwest and Northeast operations.

Kari Edwards, GF 82, winner of a New Langton Art's Bay Area Award in literature in 2002, also announces the publication of her novel a day in the life of p, a genderless asocial satirist. (Subpress Collective)

John Rovira, LS 81, EN 82, transported and maintained maintenance manager for the Active Oxidants Division of FMC Corporation, recently received the company's Raymond C. Tower Award for outstanding contributions and leadership in safety, process safety, and health. The award, given to one employee per year as merited, has been awarded just nine times previously. Rovira resides in Sanborn, N.Y.

Nina Swartz, LA 82, GB 88, and Matthew Chellis, partners of Premier Financial Partners, in the St. Louis area, co-hosted the St. Charles Chamber of Commerce meeting in July 2003. The event focused on benefits for women small-business owners and their employees.


Theodore Rosen, LS 83, GB 83, is the new senior rabbi at the Kol Am Congregation in Sault Lake City, Utah. She had a three-year apprenticeship at Valley Beth Shalom in Encino, Calif., after studying to be a rabbi at the University of Judaism in Los Angeles.

Howard William Sizek, EN 83, joined the University of Dayton Research Institute in spring 2003 and is working at the materials laboratory at Wright-Patterson Air Force Base in Dayton, Ohio, examining aging and lifting issues in turbine engines.

Julia Jane J.J. Stupp, GB 83, is an ex-officio University trustee, executive vice chair of the Alumni Board of Governors and member of the Olin School of Business National Council, partnered with Benjamin Brink in June 2003 to launch Data Search Systems. It is a computer hardware company based on data-mining technology licensed exclusively from the University.

Rick Torres, LS 83, though he is a former executive vice president of Bridgeport, Conn., in a Nov. 4, 2003, election, made the strongest GOP mayoral showing in years.

Michelle Alfano, LA 84, research scientist at Eisenhow School High School in Blue Island, Ill., works independently to help Americans and others incarcerated abroad. She now is focusing on prisons in Thailand, where conditions are sub-standard and sentences are usually 50 years to life. She also is working to protect Thai women in the country.

Fred C. Dyer III, GB 84, recently joined Midwest BankCentre as regional president—St. Charles region. A veteran commercial banker in the St. Louis and St. Charles markets, he previously was associated with U.S. Bank, Firstar, Mercantile, and Mark Twin banks.

Lina Husodo, LA 84, GA 86, and James Linville, partners in Studio H+L, an architecture and design firm in Austin, Texas, designed the new Sushi Bar at Suzi's China Grill in Austin, which received the Grand Award in the 2003 Remodeling Design Awards competition sponsored by Remodeling Magazine. The project was to appear in the magazine's September 2003 issue.

Kirsten K. Loutzenhiser, LA 84, assistant professor of public administration at Barry University in Miami Shores, Fla., teaches courses in planning, public finance, and Latin American politics. E-mail: kloutzenhsi@mail.barry.edu.

John E. Shelly, MD 84, has retired from the U.S. Navy, in which, as part of the Medical Service Corps, he served as commanding officer of the Naval Medical Center Nashville, N.C. He is a native of Crescent, Okla., who enlisted in the Navy as a hospital corpsman in 1962, assumed command of the clinic in 2001. During his Navy career, Capt. Shore held a wide variety of administrative and leadership positions and received numerous awards. He and his wife, Debra, "Deb," have two children, Suzanne Marie and Michael Scott.

Marc Fried, LW 85, now is county counselor for Jefferson County, Mo. His duties include litigating county ordinance violations. Immediately prior, he was the first assistant in the county prosecutor's office. Earlier, he was in private practice and served as the shop's public defender.

John J. Lynch III, HA 85, former executive vice president and chief executive officer of St. Luke's Episcopal Hospital in Houston, was inducted in 2002 as a Fellow in the American College of Radiology. He is affiliated with Massachusetts General Hospital in Boston and with Rhode Island Hospital and Brown University, both in Providence, R.I.

Sally L. Heller, PT 88, has since been the sole owner of Spine Care, Inc., in west St. Louis County.

Jody Sobel Klayman, LA 88, and her husband, Darrin, announced the birth of Jaclyn Rose on April 16, 2003. She joins sister, Mia. The family resides in Mt. Kisco, N.Y. E-mail: kisco96@aol.com.

Janice Klein, PT 88, has, since 1995, been the sole owner of Spine Care, Inc., in west St. Louis County.

Brian Nau, GB 88, has joined Schwan Food Company's Consumer Brands North America as vice president for product strategy. For 13 years prior, Nau was with Nestlé, with experience including marketing responsibilities for Lean Cuisine®, Stouffer's entrees, pizza, and snacks; and Nestlé ice
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by Candace O’Connor

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cream. He and his wife, Kathleen, along with their sons Adam and Andrew, moved from Ohio to the Minneapolis, Minn., area. The Schwan Food Company is headquartered in Marshall, Minn.

Kristi Rambis, OT 89, is the occupational therapy manager at Reid Hospital and Health Care Services in Richmond, Ind., and is training to be a certified lymphedema therapist to highlight her skills as a certified hand therapist.

E-mail: rambisk@reidhosp.com.

Diana Laulainen Schein, LA 95, and Joel Schein, MD 95, announce the birth of twins, Jordan William and Jared Royse, on June 26, 2003. The twins join sisters Ariana, 6, and Serena, 3. The family resides in Scottsdale, Ariz. E-mail: laul0005@yahoo.com or jschein@evdii.com.

Elizabeith (Gillespie) Slater, LA 89, and her husband, John, announce the birth of their daughter, Rachel, 4, and brother, Mark, 3. The family resides in Hudson, Ohio, where Elizabeth is a stay-at-home mom, volunteering on a Citizens Review Board at the Juvenile Court.

Teri (Sell) Biedke, LA 90, LA 90, GR 93, and her husband, Tom, announce the birth of Eric Joseph on March 1, 2003. He joins his brother, Mark, 3. Teri continues to teach French one night a week during the school year at Triton College in the Chicago area. The family resides in Decatur, Ga., with his wife, Kathleen, and their sons Adam and Andrew.

Shannon M. Fischer, LA 90, spent a year in Dublin, Ireland, working for GE Capital Consumer Finance and has been residing in London for nearly two years, working for GE Insurance as the risk leader for its pension and life insurance business in the United Kingdom.

Kelly Jackson, LA 90, was selected by New Orleans Business newspaper as one of the “40 under age 40” in the “Power Generation” for 2003. Jackson is a certified genetic counselor and instructor at Tulane University Hospital’s Interventional Services Center, in New Orleans, and she is one of two persons in Louisiana providing cancer genetic counseling. She also works with patients with metabolic and other genetic disorders. E-mail: kejstd@tulane.edu.

Paul “Pablo” Weiss, LA 90, GB 92, opened an attached restaurant and bar in August 2003 in the newly reborn Hotel Monteleone’s St. Francis Mar building at 1000 Washington Ave. in downtown St. Louis. They’re named KitchenK and K-Bar, with the “K” standing for the “1000” in the street address. Weiss, who launched the acclaimed Hot Louscat at 20th and Locust streets in 1994, says the new operation, located downtown St. Louis in the Convention Center and new neighboring hotels, fills a niche between upscale restaurants and corner-style bars in downtown St. Louis.

Sherry (Faunclark) Wolk, LA 90, LW 93, and Daniel “Danny” Wolk, BU 86, announce the birth of Joshua Wolk on June 18, 2003. Sherry prosecutes securities and financial services disputes for Kramer Levin Nessen,ЛЕ, who launched the acclaimed Hot Louiscafe at 20th and Locust streets in 1994, says the new operation, located downtown St. Louis in the Convention Center and new neighboring hotels, fills a niche between upscale restaurants and corner-style bars in downtown St. Louis.

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Vicki (Phon) Caplan, LA 91, and her husband, Andrew, BU 91, announce the birth of Jeremy November 9, 2003, at St. Louis Children’s Hospital. The family resides in New York City, where Vicki is vice president account director at Pedone & Partners, an advertising agency. Andrew works for Tralgura AG, a company with whom, for which he has responsibility for worldwide advertising activities. E-mail: vickiap@pedonepartners.com.

Stephen Duncan, GB 90, has been promoted to vice president of marketing for the Saint Louis Symphony Orchestra. He joined the symphony in 1997 as associate director of marketing and was appointed director of marketing in 2001. Prior to joining the symphony, Duncan held positions with the St. Louis Art Museum and Growth Association and the Performing Arts Department of Washington University.

Douglas Rains, LA 91, says, “After 10 sweeter years, I recently gave away my 10-gallon hat, said ‘so long’ to Texas, and moved to Nashville (where I will continue, not listening to country music).” In May 2003, he became a field application specialist for Applied Biosystems, a California-based biotechnology company. “Lots of travel,” he says, “but it’s all good.”

E-mail: dougrains@yahoo.com.

Michael A. Spielman, LA 91, joined the law firm Hahn Loeser + Parks, based in Cleveland, Ohio, as counsel. He will continue to focus his practice on taxation and employee benefits. Spielman is a frequent speaker at seminars for Cleveland Hillel Foundation, resides in Shaker Heights, Ohio.

William F. Zieske, LA 91, continues his law practice in Chicago with what now is McGuireWoods Ross & Hardies. His practice includes complex litigation and advising libraries and other clients on privacy and confidentiality issues. His article, “The Electronic Courthouse in Illinois: Filing, Service, Access, and Privacy” was published in the Illinois Bar Journal’s August 2003 issue. In several forums, he has spoken on the USA PATRIOT Act and the need to balance domestic security and civil liberties.

Kyle L. Barrie, LA 90, and his wife, Lisa, announce the birth of their first child, Nicholas Charles Barry, on July 6, 2003. The family resides in Chicago, where Kyle is a commercial litigation in the Chicago office of the law firm Jenkens & Gilchrist.

Craig Finger, LA 92, was elected partner at Fox Rothschild, a law firm with offices in Pennsylvania, New Jersey, and Delaware. His practice is in the firm’s real estate department. Finger and his wife, Debra (Klausman) Finger, LA 92, of Chestnut Hill, Philadelphia, have sons, Benjamin, 6, and Madelyn, 3. The family resides in Penn Valley, Pa. E-mail: cfinger@foxrothschild.com.

Alisa Gaudner, LA 92, and Robert Meade, were married on Aug. 2, 2003, in Georgetown, Texas. Gaudner earned a doctoral degree in political science from the University of California at Berkeley in December 2001 and now is the Henry Luce Assistant Professor of East Asia Politics at Southern Methodist University in Georgetown, Texas.

Jenifer K. Guthrie, LA 92, and Alyson Vashar, were married on Aug. 31, 2003. The wedding party and guests included many University alumni. James is an associate at Well, Gotshal & Manges in New York City, where he practices securities and bankruptcy litigation. Alyson is an ophthalmologist in private practice in Berwyn, Pa.

Stephanie Gulkkin, LA 92, and Brian Satz were married on March 15, 2003. The wedding party...
and guests included many University alumni. The couple resides in New York City. Stephanie was recently named partner at the law firm Morgan, Lewis & Bockius, where, as a member of the Business and Finance Section, she focuses on public offerings, private-equity transactions, mergers and acquisitions, and general securities and corporate finance. Brian is an attorney for Ithodia, a global chemicals company.

Kavork Hagopian, PT 92, and his wife, Nanny, announce the birth of their first child, on June 24, 2003. The family resides in Gurnee, Ill. Kavork recently was certified as a geriatric clinical specialist by the American Board of Physical Therapy Specialists.

Christopher Keaveney, GR 92, GR 00 (Japanese and comparative literature), was promoted to associate professor with tenure at Linfield College in McMinnville, Ore. His book manuscript, based on his dissertation, has been accepted for publication by Palgrave Press.

Catherine "Cate" (Willard) Jenks, LA 92, and her husband, Brendan, who has a son from a previous marriage, announce the birth of their first child, Victoria, on Feb. 13, 2003. The family resides in Evanston, Ill.

Jeffrey Kimmell, UC 93, recently was honored by the South Carolina Department of Archives and History, the Palmetto Trust, and the office of Gov. Mark Sanford for excellence in the restoration of the 6000-sq.-foot, 1856-1857 plantation mansion in Darlington, S.C., known as the Wilds-Edwards House.

Barbara A. Kraemer, LA 93, of Milwaukee, was elected provincial of the U.S. Province of the School Sisters of St. Francis, which initiates and oversees communities in various states, especially those in the Midwest.

Trey Long, HA 93, a certified public accountant, recently was promoted to director of operations for the Mountain Region of Pediatric Medical Group, which is based in Ft. Lauderdale, Fla., and is the nation’s largest provider of maternal-fetal-newborn care. He will have fiscal and operational responsibility for neonatal and perinatal practices in four states. In his new role, Long will oversee relocation, which he relocated from Dallas, Texas, to Scottsdale, Ariz.

Elizabeth Mannerling, SW 93, and her partner, Matt Leaverton, are making "fun" a top priority and focusing on simple, but meaningful, things in order to avoid being stressed-out and unhappy. They have decided not to have children, have low expectations in terms of material wealth, and they devote nearly all their free time to things that bring them joy—including gardening, hiking, jogging, cycling, movies, rock concerts, and paddling around in their small inflatable boat. In Madison, Wis., where they reside, Mannerling is a research associate in women’s health at the University of Wisconsin and Leaverton is a stagehand at the Barrymore Theatre.

Scott (Enos) Murman, FA 93, and Derek Murman, LA 94, announce the birth of Noah Alexander on Feb. 5, 2002. Derek is a program manager at Microsoft, while Rebecca is a full-time mom doing free-verse graphic design on the side. The family resides in Duvall, Wash.

Brian is an associate of an orthodontist in Towson.

Valori (Lunsford) Strasma, LA 93, and her husband, Thys, announce the birth of Madelyn Eula on June 24, 2003. She joins their brother, Ia. 2. The family resides in Fort Wayne, Ind., where Valori is "trying to keep up with two kids and get some sleep!"

E-mail: thysandval@mac.com.

Brian is an associate of an orthodontist in Towson.

Roberts, LA 93, is a doctoral candidate at the University of Central Florida in Orlando.

Sheree Beatty, SI 94, was named chief information officer of the Rockwood School District in west St. Louis County. As such, he will oversee the district’s technology and information systems. Formerly, he was director of technology for the Parkway School District in St. Louis County.

Heather Bennett, FA 94, LA 94, had her exhibition "Heather Bennett: Untitled at the William Shearburn Gallery in St. Louis in August 2003. In her photo art, Bennett restages familiar high-style ad campaigns for the newspaper, but her ideas are inspired by expressions, which she finds in fashion and clothing stores.

E-mail: benthe@mac.com.

She will oversee the district’s technology and information systems. Formerly, he was director of technology for the Parkway School District in St. Louis County.

Jennifer (Hartman) Huck- aby, EN 95, and Michael Huck- aby, EN 95, recently moved to Cincinnati, where she is in private practice at The Arboun OB/GYN Associates, affiliated with The Christ Hospital, and he is the director of Liver Transplant Services at the University of Cincinnati. Their daughter, Jackie, is 7; their son, Alex, is 3.

Heidi Cummins, PT 94; her husband, Matthew; and children Avery and Jacob, continue to reside in St. Louis, where she is a staff physical therapist at the Rehabilitation Institute of St. Louis. Previously, she worked for 27 years as quality control electronic lab technician and maintenance technician for various companies in Columbia, Mo., and Navy, and is the nation’s largest provider of maternal-fetal-newborn care. He will have fiscal and operational responsibility for neonatal and perinatal practices in four states. In his new role, Long will oversee relocation, which he relocated from Dallas, Texas, to Scottsdale, Ariz.

Elizabeth Mannerling, SW 93, and her partner, Matt Leaverton, are making ‘fun’ a top priority and focusing on simple, but meaningful, things in order to avoid being stressed-out and unhappy. They have decided not to have children, have low expectations in terms of material wealth, and they devote nearly all their free time to things that bring them joy—including gardening, hiking, jogging, cycling, movies, rock concerts, and paddling around in their small inflatable boat. In Madison, Wis., where they reside, Mannerling is a research associate in women’s health at the University of Wisconsin and Leaverton is a stagehand at the Barrymore Theatre.

Brian is an attorney for Ithodia, a global chemicals company.

Kavork Hagopian, PT 92, and his wife, Nanny, announce the birth of their first child, on June 24, 2003. The family resides in Gurnee, Ill. Kavork recently was certified as a geriatric clinical specialist by the American Board of Physical Therapy Specialists.

Christopher Keaveney, GR 92, GR 00 (Japanese and comparative literature), was promoted to associate professor with tenure at Linfield College in McMinnville, Ore. His book manuscript, based on his dissertation, has been accepted for publication by Palgrave Press.

Catherine "Cate" (Willard) Jenks, LA 92, and her husband, Brendan, who has a son from a previous marriage, announce the birth of their first child, Victoria, on Feb. 13, 2003. The family resides in Evanston, Ill.

Jeffrey Kimmell, UC 93, recently was honored by the South Carolina Department of Archives and History, the Palmetto Trust, and the office of Gov. Mark Sanford for excellence in the restoration of the 6000-sq.-foot, 1856-1857 plantation mansion in Darlington, S.C., known as the Wilds-Edwards House.

Barbara A. Kraemer, LA 93, of Milwaukee, was elected provincial of the U.S. Province of the School Sisters of St. Francis, which initiates and oversees communities in various states, especially those in the Midwest.

Trey Long, HA 93, a certified public accountant, recently was promoted to director of operations for the Mountain Region of Pediatric Medical Group, which is based in Ft. Lauderdale, Fla., and is the nation’s largest provider of maternal-fetal-newborn care. He will have fiscal and operational responsibility for neonatal and perinatal practices in four states. In his new role, Long will oversee relocation, which he relocated from Dallas, Texas, to Scottsdale, Ariz.

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Jodi (Dinerstein) Martin, LA 94, and her husband, Douglas, announce the birth of Becca Ann on May 12, 2003. She joins her sister, Leah Joff, 3. The family resides in New Hampshire. E-mail: jodi.douglasmartin@comcast.net.


Frans J. von Kaenel, LW 94, has joined St. Louis-based law firm Husch & Eppenberger as an associate in its land-use development and financing practice group; he specializes in real estate transactions.

Tracy Anthony, LA 95, a child and adolescent psychiatry fellow at the Neuropsychiatric Institute of the University of California at Los Angeles, received a 2003 Presidential Scholar Award from the American Academy of Child and Adolescent Psychiatry (AACAP). She and the four other awardees each received a stipend supporting a one-week tutorial to study with a leading AACAP member in the United States and received funding to attend the AACAP meeting in Miami Beach from Oct. 14-19, 2003.

Michelle Brooks, LA 95, is the director of school services at the Central Agency for Jewish Education in St. Louis. E-mail: mbrooks@cajestl.org.

Amy L. DuVall, I.N 95, joined the Responsible Care® program of the American Chemistry Council in Washington, D.C., on Aug. 25, 2003. She serves as counsel/advisor, managing government relations at international, federal, state, and local levels. Formerly, she was with the environmental department of Pipper Rudnick, a large business-law firm. E-mail: esquirebabe@yahoo.com.

Jonathan Edward “Jon” Furr, LA 95, recently left the law firm Mayer, Brown & Maw in Chicago to become the general counsel for the Illinois Department of Natural Resources.

Elissa Greene, LA 95, and Mitchell Harris were married on May 23, 2003, in Napa, Calif. Elissa is an associate director of career services at the Wharton School of Business at the University of Pennsylvania. Mitchell owns a home-furnishings business in a Philadelphia suburb.

Russ Klein, BU 95, and Debbie Libman were married on May 23, 2003, in Cleveland, Ohio, where the couple resides. The wedding party and guests included many University alumni. Russ is a consultant at Diamond-Cluster International. E-mail: klein@rumich.edu.

Sara Marie (Vit) Meyer, PT 95, and her husband, Nate, announce the birth of Annika Marie on Sept. 30, 2002. The family resides in Chippewa Falls, Wisconsin.

WASHINGTON PROFILE

Caroline Leibman, M.A. Ed. ’84

When Words Are Not Enough, Dance

"Dance therapy gives you a neck," said one of Caroline Heckman Leibman’s patients, referring to the mind-body connections she has re-established through dance movement therapy. A registered dance movement therapist, Leibman says: "Traditional psychotherapy is a dynamic process grounded in a verbal experience. Authentic movement allows the patient to be seen and heard without using words."

Leibman, M.A.Ed., ADTR, is careful to distinguish authentic movement from dance: "Authentic movements aren’t taught or prescribed. They are spontaneous, truthful. They come from inside." Because of the elusive nature of emotions and the painful experiences that often engender or shroud them, physical movement may be their purest, most direct expression.

In a minimalist studio with a gleaming hardwood floor and windows placed high to admit light but protect privacy, Leibman encourages her clients to fill the space with their raw emotions, while she serves as “witness”—seeing, hearing, and validating their experience through her compassionate presence.

Leibman first experienced the power of dance movement therapy at Washington University in 1981. Referring to the series of interrelated events that inspired her discovery, she says: "It’s a wonderful story. I’m always glad when I get to tell it."

She begins: "I’ve always danced."

After earning a B.S.Ed. from the University of Missouri-St. Louis in 1980, Leibman launched her teaching career, working with young children during the day. But in the evenings, she danced, in "those wonderful night classes offered by University College," as she describes them.

In the summer of 1981, she enrolled in a life-altering, three-week dance institute, Annelise Mertz, who was then director of WU’s Dance Program, brought in a team of dancer instructors and one dance therapist to teach the workshop. "It included composition, modern technique, improvisation, anatomy, kinesiology, and dance/movement therapy. The classes were wonderful," Leibman recalls.

Meanwhile, she was teaching young children at the Eden Laboratory School. "Yet when I heard that the University had a nursery school, I went to talk with Maya Zuck, who was on faculty in the University’s Graduate Institute of Education and in charge of the on-campus nursery school," Leibman explains. "Maya had just hired a dance therapist to teach creative movement to the children at the school. While she interviewed me for admission into the graduate division, she told me that I could develop an independent study, working with the dance therapist, and earn credits in the graduate program."

And the rest, as they say, is history. "Dance movement therapy brought together everything that I love—dance, teaching, psychology, the arts, creativity," Leibman concludes.

She completed her M.A.Ed. in 1984, then went on to earn a professional diploma from the Laban Centre for Dance and Movement in London. She completed a three-year program at the Authentic Movement Institute in Berkeley, and then trained with Janet Adler in Sebastopol, California, with whom she continues to train.

Today, Leibman maintains a private practice in St. Louis, serving therapy patients as well as a growing number of women who are committed to ongoing personal development. She also works part time at the La Montagne Treatment Center in Crystal City and at McCallum Place on the Park in Clayton (both in Missouri), facilities that offer multidisciplinary treatment for individuals with eating disorders.

And she also teaches at the University. This year marks her fifth as an adjunct faculty member in the Performing Arts Department, teaching dance movement therapy in University College.

"I feel as if I’ve come full circle," she says. "I feel very fortunate every time I walk across campus."

—Jan Niehaus, M.S.W. ’80

WINTER 2003 WASHINGTON UNIVERSITY IN ST. LOUIS
Danielle (Seligmann) Amdur, LA 96, and Glenn Amdur, BU 93, announce the birth of Jared Harris on Feb. 4, 2003. The family resides in Phoenix, Ariz. E-mail: amdur-family@emailink.net.

Stephanie Cesna, SW 96, and her husband, Paul F. Kunkel, EN 95, announce the birth of Sophie Katherine on Feb. 12, 2003. Kunkel is working for 3Com Corporation while attending the Kellogg School of Business at Northwestern University in Evanston, Ill. He anticipates receiving an M.B.A. degree in December 2003. The family resides in Skokie, Ill. E-mail: SCesna@aol.com.

Claire Caccio, GR 96 (Japanese), read her paper Modern Japan and Miyagi: Citizens of the Arts, Citizens of the World at the Association for Asian Studies' annual meeting in March 2003 in New York City.

Debra Warren, LA 96, and Paul Apelbaum were married on July 3, 2003, in New York City, where they reside. Debra, a member of the firm's architecture group, has been promoted to senior associate with an international architecture firm. Her practice is in state and federal courts throughout Florida and federal courts nationwide. He resides in Hollywood, Fla.

Deena Samberg-Shesky, LA 95, recently enjoyed a visit with her former roommate, Ann Shellbarger Jones, LA 95, in Springfield, Mo., in an outing to the zoo. The two included their sons, Jordan and Nathan, respectively, both born on March 16, 2003. Deena; her husband, Doug; and Jordan reside in West Hartford, Conn., while Ann; her husband, Ray; and Nathan reside in Somerville, Mass., near Boston.

Allen Schaffer, GA 95, has been promoted to senior associate at Helmut, Obata & Kassabaum. A member of the firm's architecture group, he most recently completed work on the Indianapolis Airport, Williams Technology Center in Tulsa, and Mary Ann Cofrin Hall in Columbus, Wis.

Rebekah Vitoria, LA 95, and Matt Hunninghake, LA 95, announce the birth of Abigail Vitoria Hunninghake on Feb. 27, 2003. Both have completed residencies and moved to Boston. Hunninghake will begin a fellowship in pulmonary critical care at Massachusetts General Hospital, and Vitoria will join an OB-GYN private practice.

Jennifer Adler, LA 96, and Jim Jacobus were married on April 26, 2003, in Pine Hill, N.J. Guests included several University alumni. The couple resides in Montclair, N.J. E-mail: jacobus@mdmllaw.com.

Emily Ramsey, IW 97, and Paul Downey were married on Nov. 16, 2002, in Bloomingdale, Mich. Many University alumni attended the ceremony. Emily is associate counsel with the Michigan Attorney General's Office, and Paul Downey is a federal trial attorney in Detroit. The couple resides in Washington, D.C.

Karen Seelig, LA 97, SW 99, and Douglas Miller, were married on May 25, 2003, in Washington, D.C. The wedding, attended by many University alumni, including parents of the bride and groom, was officiated by Rabbi Sharon (Litwin) Hoberman, LA 97. Karen is a clinical therapist at a school for emotionally disturbed adolescent boys, and Doug is a law student at Georgetown University in Washington, D.C., where the couple and their cat, Shepley, reside.

Halbert Sullivan, SW 97, is co-founder and executive director of the Fathers' Support Center in St. Louis, which offers a spiritually based program to help fathers take financial and emotional responsibility for their children. The program includes five-week classes, covering subjects such as parenting and work skills, job training, and career development. Sullivan, a recovering drug addict, said he turned his life around at age 42, after moving to St. Louis in 1989.

Pablo Adler, MD 98, is employed by Anesthesia Services, which provides anesthesia services in Clayton, Ohio, a suburb of Dayton. E-mail: zezied@interaxs.net.
for the Christiana Care Health System in Delaware.

Angela Bain, L98, and Mark Bissett, L98, were married in August 2001, reside in Webster Groves, Mo. Angela is a clinical operations project manager for Express Scripts in St. Louis, Mark, who recently earned a B.S. in health services from Webster University, based in St. Louis, is a steel tubing materials and scheduling coordinator for Bull Moose Tube in Chesterfield, Mo. E-mail: abain@expressscripts.com or airplanebiker@msn.com.

Kerry D. Bird, SW98, is executive director of Native Americans in Philanthropy. It is a national organization that seeks to engage Native and non-Native peoples in understanding and advancing the role of philanthropy through practices that support and advance traditional values for current and future generations. He and his partner, John Gurney, reside in Wyndmoor, Pa. E-mail: kerrybird@natives.org.

Navy Lt. Alex Galifianakis, L98, recently graduated from the Uniformed Services University’s F. Edward Hebert School of Medicine in Bethesda, Md., and was promoted to his present rank and commissioned as a medical corps officer.

Daniel R. Keys, L98, graduated from the Southern Illinois University School of Medicine in Springfield in May 2003. He entered a residency in surgery at Southern Illinois University Medical Center in Peoria in July 2003.


Mal Broder, UC99, moved to Seattle in May 2003 to begin work at the HIV Vaccine Network. A research network funded by the National Institutes of Health, the network engages community-education programming at the 10 participating U.S. institutions in the network, which helps educate people about the need for a vaccine as part of a prevention strategy to minimize the incidence of HIV infection in the general public. The network also recruits volunteers into its clinical trials.

Kellie Glasscock, LA99, and Justin Glessner, LA99, were married on May 31, 2003. Kellie is in the Ph.D. program in anthropology at Southern Illinois University at Carbondale, and Justin expects to receive a master’s degree in environmental sciences from the same institution in 2005. The couple resides in Carbondale.

Daniel Hudak, LA99, graduated from the John A. Burns School of Medicine at the University of Hawaii at Manoa in May 2003. He now is a resident in general surgery at the University of Hawaii’s affiliate hospitals in Honolulu.

Amanda “Mandy” Mason, LA00, and Martha’s Holiday Renter, EN99, were married in May 2003 in Mamaroneck, N.Y. The wedding party and guests included many University alumni. The couple resides in Manhattan, where Mandy works in public relations and Kevin is a computer consultant. E-mail: amazon1216@hotmail.com.

Christopher P. McKee, GB99, has joined McCauley Development, headquartered in O’Fallon, Mo., as vice president. He is responsible for generating new leasing and development opportunities and coordinating sales and marketing for the firm, whose major projects include Winghaven, a 1,200- acre mixed-use community in O’Fallon. He is a board member and chairman of the fund-raising committee for St. Martha’s Hall for battered women and their children.

Suzanne Montgomery, LW99, was lead associate for Thompson Coburn’s team that won a national appeal in front of the U.S. Supreme Court in February 2002, was named to the St. Louis Business Journal’s “30 Under 30” list of 30 impressive professionals under the age of 30.

Scott Moulton, LW99, has joined Rabbitt, Pitzer and Snograss law firm in St. Louis. Previously, as a special assistant U.S. attorney, he prosecuted offenses committed on federal property in Puerto Rico. Moulton also was commissioned as an officer in the U.S. Army’s Judge Advocate General Corps.

Tyler Small, FA99, opened his own graphic-design company—The Field’s Five—in February 2003 in the St. Louis area. The company develops marketing strategies and print and web identity campaigns to wedding invitations and personal stationery. E-mail: tyler@fieldfive.com.

Charissa J. Steffensmeier, LW99, and her husband, Ryan, announce the birth of Tobias Vernon on June 8, 2003. He joins his brother, Xavier Ryan, 2.

Dan Zettwoch, FA99, is becoming nationally recognized for his minicomics, including Superman, It Lives, and Iron Clad. Zettwoch, who signs his work as D.W. Zett, helped create the two most popular minisites, one of the largest online distributors of minicomics in the United States. It sells Zettwoch’s work and that of 50 other artists—his Huizinga and Ted May—as also Louis-based artists creating minicomics. The three helped organize the first St. Louis Comics Art Show, held both in 2002 and 2003, at the City Museum in St. Louis.

Dawn Brown, OT00, of Kent, Ohio, is director of occupational therapy at Wickliffe Country Place, a skilled nursing and continuing care facility.

Craig Davis, OT00, and his wife recently moved to Houston, Texas, where he works in the outpatient division of the institute for Rehilitation and Research.

Sharon Dixon, GB00, and Peter Bostwick, SI02, were married on May 31, 2003, in Graham Chapel. The couple resides in St. Louis and works at Total Rehab Motor Company, where they met.

Gabrielle Gentilecor, LA00, graduated from Emory University School of Law in Atlanta in May 2003. She resides in San Francisco.

Elizabeth (Chu) Padgett, LW00, and her husband, Miles, announce the birth of their first child, Zeke Sophia, on Feb. 28, 2003. The family resides in Washington, D.C., where Miles is a partner in the law firm Kozsuzko, Lahey, and Harris. Elizabeth is a trial attorney for the Federal Insurance Futures Trading Commission. In her free time, she volunteers as an emergency medical technician and as a member of the Shenandoah Mountain Ski Patrol.

Keith Dwanye Sanders, PT00, and Tara Pfaff were married on Nov. 8, 2003. Keith is a physical therapist for the Sports Therapy and Rehabilitation Center at Barnes-Jewish West County Hospital in St. Louis County and also for the St. Louis Cardinals. Tara, too, is a physical therapist.

Sara Schmiesing, PT00, and Saad Alhajeri, who were married on April 13, 2002, announce the birth of Zaid Abraham, on March 20, 2003. They have joined the HIV Vaccine Trials Network, a research network that seeks to engage Native Americans in philanthropy through practices that support and advance traditional values for current and future generations. He and his partner, John Gurney, reside in Wyndmoor, Pa. E-mail: kerrybird@natives.org.

Lindsey Paige Warwel, BU00, and Brent Robert Glass, GB00, were married on Oct. 13, 2002, in St. Louis, where they reside. Lindsey works for an advertising agency in Clayton, and Brian is working as an investment banker for a C. F. Edwards and Sons. E-mail: lindseyandbrian@yahoo.com.

Chrrissy Zmijewski, LA00, SI01, resides in Tucson, Ariz., where she works for Canyon Ranch Health Resort and several yoga centers. E-mail: yogagirl2678@yahoo.com.

John Lahan, GB01, began Simply Thick, a St. Louis-based company that sells packets of xanthan gel, which thickens liquids for persons who have difficulty swallowing, more than two years ago. He developed the concept during an entrepreneurship course he was taking at the University’s Olin School when he got news he was being laid off from his job as a chemical engineer at Monsanto Co.

Clifford Holekamp, GB01, founder and president of Foot Healers, which provides full podiatric services through its clinics, was named to the St. Louis Business Journal’s “30 Under 30” list of 30 impressive professionals under the age of 30.

Nath A. Holohan III, GB01, SI01, is president of the St. Louis branch of Home Helpers, a company that focuses on non-medical care for older adults. By offering services, including transportation, cooking, cleaning, and companionship, the company aims to provide as much independence as possible to individuals in their homes or in retirement communities.
Rebecca Kvam, LA 01, who resided in Daegu, South Korea, for a year, now is a Peace Corps volunteer in Bulgaria, where she teaches grades 2-11 and organizes youth-development projects. She will reside in Bulgaria for the next two years and would love to share her experiences. E-mail: rebeckakvam@hotmail.com.

Rashad Mohandas, SI 01, who works for a high-tech start-up company in the Chicago area, is looking for a new position to advance his career growth. Amanda Mrugala, PT 01, and James Rafferty were married on Sept. 20, 2002.

William J. Bulman, LA 02, GR 02, is a graduate student in history at Princeton University in Princeton, N.J.

Emily Fredrix, LA 02, is now politics Web editor at the Washington, D.C., bureau of the Associated Press. She says there are many University alumni there.

Margaret Funkhouse, GR 02, and Jason Stumpf, LA 99, who married May 31, 2003, at the Quaker Meeting House in West Falmouth, Mass. At Washington University, Margaret is writer-in-residence and assistant professor of English and Jason is a candidate for a master's degree in creative writing.

Peter Helge, LA 02, an instructor at the nonprofit Downtown Sailing Center in Baltimore, headed its new summer program for teenagers, many of whom came from troubled neighborhoods in Baltimore and its suburbs. Eight weeks ago, the 10 students, who were high-school students or recent graduates, had classes not only in sailing but also in leadership skills. Next year, they will serve as instructors for the center, teaching elementary school children how to sail. Through the program, the teenagers, who are paid through a Baltimore youth-employment program, also earn money for college.


Todd Hignite, GR 02, used the research for his master's thesis on the relationship of comic art and art-museum exhibitions to create Comic Art magazine, a St. Louis-based, full-color quarterly that displays and discusses the merits of comics as a viable art form. The magazine, with a worldwide circulation of 6,000, debuted in July 1992.

Koji Kudo, GL 02, is a doctoral student in law at the University of Leicester in the United Kingdom.

Katherine M. Kunkel, FA 02, and Cory S. Kambol, LA 01, were married on Aug. 18, 2003. The wedding party and guests included many University alumni.


Nickole Richert, LA 02, earned an M.S. degree in education from Northwestern University in Evanston, Ill., in August 2003. Shalini Shasman, SW 02, has been a research associate with the United Way of Greater St. Louis since September 2002. She was expecting her first child in November 2003.

Sheila Doane, HA 03, has accepted a fellowship with the Hillcrest Healthcare System in Tulsa, Okla.

Laura E. (Behrman) Hemmer, LA 03, entered the University's School of Law in fall 2003.

Puneet Leekha, BU 03, recently began law school at Chicago-Kent College of Law.

Caitly Mold-Zero, LA 03, along with four high-school friends from Grandview High School in Hillsboro, Mo., recently began law school at Chicago-Kent College of Law.

Gregory "Greg" M. Rheinheimer, EN 03, and Janina Benson were married on July 26, 2003, in St. Louis. They reside in Fenton, Mo. Greg is a project manager at Modern Metals, and Janina teaches art at Grandview High School in Hillsboro, Mo.

Phoong Tang, GB 03, was chosen by the St. Louis Business Journal for its "30 Under 30" list of 30 impressive professionals under the age of 30. She is business development manager of Monsanto Protein Technologies, a contract manager of plant-based pharmaceuticals.

David Zwerin, LA 03, said he would attend law school in fall 2003. Likely at Hofstra School of Law in Hempstead, N.Y. In summer 2003, he interned at the district attorney's office in San Francisco.

In Memoriam

1920s

Louise (Broust) Young, LA 22; 6/03
John H. Hamilton, BU 26; 7/03
Hazel B. Duncan, NU 27; 8/03
Frederick C. Lodholz, LA 29; 5/03
Marguerite V. Max, LA 29; 7/03
Irma Mary (Schafer) Nagle, LA 29; 5/01

1930s

Yvonne (Lesaulnier) Fogg, OT 30; 8/03
Ada (Rubin) Marmor, FA 31; 8/03
Galen Monroe Campbell, LW 32; 8/03
Arthur Benjamin Tillman, EN 33, SI 35; 2/87
Russel J. Blattert, MD 34; 12/02
Phillip Rashbaum, LA 34, LW 34; 9/03
Lillian (Hannerman) Shanfeld, SF 34; 8/03
Pauline M. (Brown) Shatto, NU 34; 3/03
Alta Morrow (Patten) Valton, LA 34, GR 35; 8/03
Jack Brashear, LA 35; 7/03
Norman E. Johnson, MD 35; 12/02
Sydney B. Maughs, MD 35; 5/03
Adeline (Parker) Box, NU 36; 9/03
Byron C. Herbert, Jr., BU 36; 9/03
Ella W. Tait, UC 36; 8/03
Marcus A. Brown, LW 37; 9/03
Gilbert S. Goldman, MD 37; 12/02
James R. Gotch, LW 37; 6/03
William W. Halliday, BU 37; 8/03
Rear Adm. Margaret McLaughlin, NU 37; 5/03
Dorsa Arlene (Oates) Sieber, NU 37; 12/03
Florence Belle (Baker) Smith, LA 37; 10/03
Edwin M. Short, DE 38; 10/03
Audrey (Buddensick) Hancock, LA 39; 9/03
West G. McElyoy, MD 39; 6/03
Arnold D. Welch, MD 39; 10/02

1940s

Robert H. Alexander, LA 40, GR 50, GR 53; 4/03
M. Dale Bishop, MD 40; 9/03
Myron "Mike" Goldberg, Jr., DE 40; 10/03
Barney William Finkel, MD 41; 9/03
Carolyn B. Morgan, EN 42; 8/03
Alice S. Huhman, EN 43; 10/03
Anne (Tompkins) Goetsch, MD 43; 9/03
Arthur L. Jenke, LA 43, GR 48; 8/03
Leno Kropolow, LW 44; 10/03
Marvin T. Pursell, LA 44, MD 44; 8/03
Lt. Cdr. Theresa C. Burmeister, DT 42; 9/03

Emily Ann (Sankey) Moore, UC 42; 10/03
Capt. Elizabeth "Betty" Reynolds, NU 42, NU 43; 4/99
Howard R. Sperber, BU 42; 8/03
William E. Barnes, BU 43; 10/03
Elizabeth Whitcomb Brown, GR 43; 7/06
Virginia Ruth (Cantrill) Cline, NU 43; 8/03
Robert S. Kilker, LW 43; 1/03
John A. Leschen II, EN 43; 10/03
Harriet Duncan (Lloyd) Lewis, UC 43; 9/03
Robert P. Lindenmann, EN 43; 8/03
James C. Quick, MD 43; 7/03
S. Jackson Womack, Jr., EN 43; 4/03
Charlotte (Rickman) Bensen, LA 44; 10/03
Jerald H. Wheelock, LA 44, GR 45; 12/02
Isadore L. "Hal" Halpern, DE 46; 8/03
Otto D. Fink, Jr., EN 47; 8/03
Roy H. Hopkins, BU 47; 9/03
Rose L. (Wolff) Kwiatek, LA 47; 8/03
Robert J. Monnin, GR 47; 9/03
Robert D. Swift, UC 47; 9/03
John J. Bertram, Jr., BU 48; 6/03
John L. "Jack" Brown, EN 48; 10/03
Susan (Kunce) Ericson, FA 48; 10/03
Edwin Frank, FA 48; 10/03
John Gentry, MD 48; 8/00
Robert Tindall, HS 48; 12/02
James J. Chubb, LW 49; 9/03
Walter F. Hoener, EN 49, SI 61; 8/03
Chen (Kunce) Ericson, FA 49; 10/03
Andrew D. Benyo, LA 52, GR 56; 8/03

1950s

Richard W. Acton, LA 50; 9/03
Raymond J. DeMoor, EN 50; 3/03
Lee A. Edwards, LA 50; 12/02
Alan R. Johnson, BU 50; 5/03
Ralph E. McKibbon, LA 50, 2/03
Leslie E. Purdy, GR 50; 4/03
Edgar W. Swick, Jr., BU 50; 8/02
Tom R. Waters, DE 50; 6/03
James K. Connors, LA 51; 8/03
Patricia (Sacks) Fingert, SW 51; 10/03
Andrew D. Benyo, LA 52, GR 56; 8/03
Edward P. Burke, LW 52; 7/03
Carolee (Daniel) Day, NU 52; 9/03
Robert E. Downs, BU 52; 10/03
Charles E. Fisher, Jr., LA 52; 9/03
Ernest C. Giudici, UC 52; 10/03
Louis H. Landman, LA 52; 8/03
Esther Mirmow, GR 52; 8/03
Fernis N. Pitts, Jr., LA 52, MD 55; 7/03
Wilbur H. Stover, MD 52; 3/03
Leonard D. Davis, Jr., MD 53; 4/03
Margaret K. Haddick, SW 53; 9/03
Philip S. Crossen, MD 54; 7/03
Audrey Beryl (Reynolds) Schwartz, BU 54; 9/03
Robert A. Billing, EN 55; 8/03
Elizabeth Krauss, UC 55; 8/03
John W. Murphy, LA 55; 9/03
Joyce B. Vespa, LA 61; 10/03
Robert A. Billing, EN 55; 8/03
Shelly W. Mays, Jr., TI 62; 9/03
Carole L. Oftedahl, GR 60; 10/03
Charles E. Fisher, Jr., LA 63; 8/03
Ronald W. Enloe, LA 63; 5/03
Robert Kirkpatrick, UC 63; 5/03
Herman J. Ilges, EN 63; 10/03
Richard M. Holloman, UC 63; 10/03
Philip S. Crossen, MD 63; 8/03

In Remembrance

Frederick L. Deming
Emeritus trustee Frederick L. Deming, A.B. ’34, M.S. ’35, Ph.D. ’42, an undersecretary of the treasury in President Lyndon B. Johnson’s administration and a former president of the Federal Reserve Bank of Minneapolis, died August 21, 2003, in Fort Myers, Florida. He was 90.

A native of Des Moines, Iowa, Deming entered Grove Cleveland High School in St. Louis, and he earned a bachelor’s degree and a master’s degree in economics from Washington University. In 1941, he started his career at the Federal Reserve Bank of Minneapolis, where he began as assistant manager of the research department and rose to first vice president. He was named president of the Federal Reserve Bank of Minneapolis in 1957, and he spent eight years serving on the Federal Reserve’s Open Market Committee.

In 1965, he moved to Washington, D.C., where he worked as President Johnson appointed him undersecretary of the treasury for monetary affairs, serving as the administration’s point man on international finance. In 1969, he left to become a partner at Lazard Freres & Company investment bank in New York City, and in 1972, he returned to Minneapolis as president of the National City Bancorporation of Minneapolis, a holding company—a position he held until 1982.

Deming was elected to the University’s Board of Trustees in 1965, serving as a member of the Educational Policy Committee, and he was elected an emeritus trustee in 1977. Survivors include his wife of 68 years, Inez Wilson Deming; two sons, two grandchildren; and three great-grandchildren.

Raymond L. Hilgert
Raymond L. Hilgert, M.B.A. ’61, D.B.A. ’63, emeritus professor of management and industrial relations for the Olin School of Business, for which he taught for 40 years, died August 23, 2003, at St. Luke’s Hospital in Chesterfield, Missouri, of multiple myeloma. He was 73 and resided in Kirkwood, Missouri.

An award-winning teacher, author, labor arbitrator, and a nationally recognized media commentator and business ethicist, Hilgert taught at the University from 1961–2001. For 15 years during that time, in addition to teaching Olin students, he taught undergraduates in Arts & Sciences, director of the Office of Special Projects and of the Work-Study Career Scholarship Program for minority students, afirmative action officer, director of personnel, assistant vice chancellor for personnel and affirmative action, associate vice chancellor—and she retired in 1997 as vice chancellor.

Her public service was extensive. She served on the national board of governors of the American Red Cross, was chairman of the Sheldon Arts Foundation, and served on the boards of the St. Louis Repertory Theatre, KETC-TV (Channel 9), the Saint Louis Art Museum, the Saint Louis Symphony Orchestra, Opera Theatre of St. Louis, Girls Incorporated, and the Variety Club of St. Louis.

Among her many awards, White received the Variety Club Woman of the Year, the St. Louis Women of Achievement Award, and the Dr. Martin Luther King Distinguishe d Service Award. Upon her retirement, Washington University established an award in her name to be presented annually to an outstanding staff member.

Survivors include her husband, Bernard; three children; and eight grandchildren.

Gloria W. White
Gloria W. White, M.A. ’63, M.J.S. ’80, vice chancellor emerita for human resources and a community leader, died September 20, 2003, of cardiac arrest at her home in University City, Missouri. She was 69.

A native of St. Louis, White earned a Bachelor of Arts degree from Harris Teachers College (now Harris-Stowe State College) and received graduate degrees in counseling and law from Washington University. In 1999, she completed the Partners in Organizational Leadership Program at Harvard University’s John F. Kennedy School of Government.

White taught in St. Louis public schools from 1956 to 1967, when she became associate director of Washington University’s Upward Bound Program. During three decades, White served in various administrative positions at the University—academic adviser to undergraduate students in Arts and Sciences, director of the Office of Special Projects and of the Work-Study Career Scholarship Program for minority students, affirmative action officer, director of personnel, assistant vice chancellor for personnel and affirmative action, associate vice chancellor—and she retired in 1997 as vice chancellor.

Her public service was extensive. She served on the national board of governors of the American Red Cross, was chairman of the Sheldon Arts Foundation, and served on the boards of the St. Louis Repertory Theatre, KETC-TV (Channel 9), the Saint Louis Art Museum, the Saint Louis Symphony Orchestra, Opera Theatre of St. Louis, Girls Incorporated, and the Variety Club of St. Louis.

Among her many awards, White received the Variety Club Woman of the Year, the St. Louis Women of Achievement Award, and the Dr. Martin Luther King Distinguished Service Award. Upon her retirement, Washington University established an award in her name to be presented annually to an outstanding staff member.

Survivors include her husband, Bernard; three children; and eight grandchildren.
In human resources management, there is no escaping the bottom line: Benefits cost money. But Ann Prenatt, vice chancellor for human resources, liberally tempers this understanding with compassion and enthusiasm. Her concern for the University's faculty and staff goes beyond helping employees solve work-related problems—although that is, of course, a strong element of the job—to providing resources for tackling a variety of lifestyle issues. After all, personal matters such as child and elder care, financial and health issues, all impact the workplace.

Yet when Prenatt talks about these issues, she makes it clear that the workplace is not her primary concern. Her concern is for the people who make up the Washington University community.

“When we sit down to speak to an employee or a supervisor, there is rarely a single focus,” Prenatt says. “Decisions about how to manage performance-related situations may have important benefit implications for the employee. The Family and Medical Leave Act may need to be followed, or the issue may impact an individual’s ability to retire or to apply for long-term disability. So in the employee relations area, we look at situations from a broad-based perspective.”

Prenatt joined Washington University in 1995 as director of employee relations, then became executive director of human resources in 2000 before being named a vice chancellor, effective July 1, 2003. Her understanding of the complexities of the institution and her strong grasp of the legal and financial issues involved—including compliance with federal and state regulations—have made her very responsive to the needs of the University community.

“Our focus tends to be in four areas,” she says. “Those are service, the people, the quality of the programs that we have, and the cost-effectiveness of those programs. This coming year we are looking more at how we might expand wellness programs and initiatives—what we might be able to do through our benefits programs to encourage people to have healthier lifestyles. Working with our health insurance carriers, we will continue to investigate possibilities for structuring benefits, and perhaps premiums, in ways that encourage employees to take preventive health measures. In general we’re always looking to improve our benefits but do it in a cost-effective way, making sure they’re more efficient.

“And, of course, we are always looking for ways to effectively recognize the contributions of our faculty and staff members,” she adds.
That's not always easy in the University's decentralized environment. One way the University acknowledges service is through Staff Day honors such as the Gloria W. White Award for exceptional contributions to the University, named for the late vice chancellor.

"There are a number of local programs throughout the University designed to recognize the contributions of staff members. Staff Day is just one of the ways used to thank those at the Hilltop and West campuses, who work very hard in support of the University's mission," says Prentatt, who became involved in planning the annual event almost immediately after joining the University. "We generally have about 1,200 people for the lunch buffet in Bowles Plaza. It's a great day."

Prentatt also oversees the University's annual United Way fund-raising campaign. Human Resources has long been involved in data gathering, pledge card distribution, and other behind-the-scenes aspects of the campaign, but under Prentatt's leadership, the office has taken a more active role in managing the campaign, substantially increasing both the goal and the ability to meet—and exceed—that goal. The 2002 campaign, with a goal of $450,000, raised nearly $500,000.

During her tenure, the Office of Human Resources has implemented a variety of programs designed to help University employees with myriad concerns, both personal and work-related. In addition to offering resource and referral programs for needs such as child and elder care, the Human Resources Web site links employees to a comprehensive list of vendors who offer faculty and staff discounts on services ranging from travel to home improvement. An agreement with YouDecide.com provides employees with access to discounts on insurance and financial planning.

In keeping with the University's mission, tuition reimbursement for full-time faculty and staff has been increased to 100 percent for undergraduate courses, up from 50 percent, and the dependent-child undergraduate tuition plan has been extended to cover part-time faculty and staff. The University also recently launched a college tuition savings program.

But Prentatt is perhaps most proud of implementing the Employee Assistance Program (EAP), which seeks to help faculty and staff balance work and life issues, offering everything from financial and legal consulting to stress management services and marriage counseling.

"The primary focus is to provide intervention counseling for individuals who are in some form of crisis," Prentatt says. "The EAP has been very well received, offering a level of support resources beyond what can be offered in Human Resources. It has been gratifying to hear from those who have used this resource and received the professional, confidential assistance needed to deal with difficult issues."

Implementing a variety of work-life tools is an ongoing concern for Prentatt, who plans to continue building upon programs such as "Wellness Connection," an educational program designed to promote healthy lifestyle changes through seminars on such topics as nutrition, smoking cessation, and stressless workdays. "Wellness Connection" also connects employees with organizations offering exercise programs and other resources.

"Human Resources encompasses a lot," Prentatt says. "I think the more we can do to provide opportunities for people to learn and strengthen skills, to address work-life balance issues, and to proactively manage their health, the stronger the University will be."

—Michael Cannon, Executive Vice Chancellor and General Counsel

"Ann has focused strongly on how the University can better support its employees. She recognizes that benefits and services are critical not only for individuals, but also for the institution, and she is constantly seeking ways to meet critical needs in ways that are innovative, creative, and expansive."

—James E. McLeod, Vice Chancellor for Students and Dean, College of Arts & Sciences

"Ann is the consummate HR professional and a highly competent administrator. I've enjoyed working with her. She is knowledgeable, analytical, and compassionate—attributes that are essential to someone in her profession. I know that I can always call on her for guidance and direction when dealing with personnel issues."

—Virginia Toliver, Associate Dean, University Libraries

"Ann Prentatt is our newest University officer, serving as vice chancellor for human resources. She is a most trusted and valued colleague who inspires others to do their very best. Ann is a person in whom trust is properly placed and has the confidence of all who come to know her. Ann has emerged as a vital contributor to the University leadership team. As the leader in Human Resources, she develops and oversees policies and procedures of importance to all faculty and staff. An effective problem solver, Ann handles sensitive and delicate personnel matters with care and fairness. Ann is an enthusiastic, positive force in advancing the mission of Washington University."

—Mark S. Wrighton, Chancellor

Terri McClain is a free-lance writer based in St. Charles, Missouri.
The Sounds of Celebration  As part of the University's Sesquicentennial Birthday Party, the St. Louis Osuwa Taiko Drummers performed Japanese ceremonial drumming outside Graham Chapel. Taiko, which means "fat drum" in Japanese, has been a part of indigenous Japanese culture for more than 1,400 years. The group includes students and alumni from Washington University and other area universities.