WASHINGTON UNIVERSITY BEGINS A NEW ERA
Renewing a Tradition—for 1995 and Beyond

The presentation of the University Charter to Chancellor Mark S. Wrighton at his installation marked the revival of a WU tradition from the past century. Assistant professor Douglas Dowd and associate professor Sarah Spurr, both of the School of Art, collaborated on the creation of the handmade 13-by-18-inch copy, which includes the text of the original 1853 charter and two of the amendments the Missouri General Assembly passed in 1857. Pictured above are (l. to r.) Betsy Ruppa, who did the actual printing; Dowd; and Spurr.
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Architecture
Professor Guides St. Louis Urban Design
From MetroLink to the new Trans World Dome, St. Louis public architecture has been surging in the last few years, and much of the design activity has been coordinated by Washington University architecture professor Donald Royse.

From 1990 to 1993, Royse was on leave from the School of Architecture to serve as the first director of urban design for the City of St. Louis. He oversaw the design and construction of the new convention center, the new stadium, the MetroLink light-rail system, and the refurbishing of Kiel Center. He also was involved in design issues associated with new gambling boats on the Mississippi River.

Royse also studied other city issues such as multi-modal transportation and the future design direction of downtown St. Louis, including an investigation of the role of professional sports in the city's design.

Stephen Jay Gould
Lectures on Evolution and Human Equality
Hundreds of faculty, staff, and students packed Graham Chapel on August 30 for the Fall 1995 Assembly Series kickoff featuring scholar and award-winning author Stephen Jay Gould.

In his lecture, “Evolution and Human Equality,” Gould said evolutionary theory shows that the human races today are fully equal. He said he wasn't speaking of an equality based on ethics or morals, but rather a “historically based equality.” All human races, he said, are still too close in time to their common origin to have shown any biological or genetic variation significant enough to be measured as inferior or superior.

“Equality of human racial variation didn't have to happen,” said Gould. “That's just the way history worked. History can unfold down thousands of pathways; it can be explained after the fact, but it wasn't inevitable.”

Gould is the Alexander Agassiz Professor of Zoology and professor of geology at Harvard University and curator of invertebrate paleontology at Harvard's Museum of Comparative Zoology.

New Law Building Courtyard Named for Floyd Crowder
The central courtyard of the new School of Law building will be named the Crowder Courtyard in honor of Floyd Crowder, A.B. '55, J.D. '57. Crowder, a Columbia, Illinois, attorney, founded the Columbia law firm of Crowder and Scoggins Ltd., in 1963. He and his wife, Judith, are among the major contributors to the construction of the $40 million building, which is scheduled to be completed in 1996. The building will be named Anheuser-Busch Hall.

The stone-paved and landscaped area of the courtyard will not be covered, bringing light to the interior spaces of the three above-ground floors. “The new home for the School of Law—traditional in appearance and functional in design—will be a testament to the generosity of Floyd and Judith Crowder and the many other contributors to this exciting project,” said Dorsey D. Ellis Jr., dean of the School of Law. “Generations will be able to enjoy the Crowder Courtyard as a gathering place for conversation, relaxation, and a variety of informal functions.”

Gould also was the guest speaker at the December 1 grand opening of the newly constructed Eric P. Newman Education Center, which will house the Washington University Medical Center’s programs in continuing education.
Researcher Examines Airway Inflammation in Respiratory Diseases

Michael J. Holtzman, the Selma and Herman Seldin Professor of Medicine in Pulmonary Diseases in the School of Medicine, has received a five-year, $1.2 million grant from the National Heart, Lung, and Blood Institute to continue his study of the causes of airway inflammation in respiratory diseases such as asthma.

Researchers believe that much of the inflammation and tissue damage that occurs with asthma and other respiratory airway diseases stems from activated T cells, key elements of the immune system. Damage is thought to occur when T cells migrate from the bloodstream into airway tissues, where they stick to cells in the respiratory tract and send out chemical signals that lead to inflammation.

WU Scientists Part of New Project to Aid Egyptian Environment

Mohamed Sultan, Ph.D. '84 and senior research scientist in earth and planetary sciences, in Arts and Sciences, and Neil Sturchio, Ph.D. '83 and scientist with Argonne National Laboratory, are principal investigators for the United States in the newly created Center for Environmental Hazard Assessment at Egypt's Cairo University.

The Center is a comprehensive five-year, $3.3 million project that will initiate the use of state-of-the-art environmental technology and equipment aimed at monitoring and protecting Egypt's environment and developing its besieged natural resources.

Washington U. is the leading U.S. institution participating in the Center, which is being funded by the U.S. Department of Agriculture. The Center will focus on projects ranging from characterizing the extent of air, water, and soil pollution to protecting agricultural regions around the Nile and identifying ancient buried tombs and monuments.

The project will also use existing facilities and expertise at Washington U. and will involve a number of faculty members in earth and planetary sciences and in engineering.

Artist Joan Hall Designs Absolut Billboard

Joan Hall, associate professor in the School of Art, has joined the ranks of Andy Warhol and other prominent artists commissioned during the last decade to turn the Absolut vodka bottle into stunning works of art.

Hall, who teaches printmaking, was selected by Absolut's New York-based advertising agency, TBWA, to create an original design for a one-of-a-kind billboard for St. Louis. The billboard, on 20th Street near Union Station, was unveiled in July and is one of only a dozen original art billboards in the United States.

Absolut Art: Joan Hall and her much-larger-than-life-sized artwork.
A span of centuries:
Among the artifacts in the Olin Library Special Collections exhibit "Engineering at Washington University: 125 Years of Excellence" is a rare construction drawing of St. Louis' own Eads Bridge (background) and this beautifully handwritten 1875 master's thesis by George Brooks. The treatise is related to steam engine manufacture.

W Club Announces Sports Hall of Fame Inductees
The W Club has announced the 1995 inductees to the University's Sports Hall of Fame:
Jack Darnton, B.S.B.A. '43—led basketball Bears in scoring for three consecutive years.
Tom Draper, A.B. '36—first golf inductee; four-year letter winner and captain.
Arthur Jurema, A.B. '80, B.S. '80—helped lead soccer Bears to three consecutive NCAA national semifinal appearances.
Frank Noble—posthumous inductee; coached at WU from 1947 to 1972 in swimming, football, and track.

Sandy Pomerantz, A.B. '63, J.D. '65—one of the best basketball players in WU history, with single-season school scoring record of 580 points.
Steve Smith, B.S.B.A. '65—earned American Baseball Coaches Association first-team All-America honors in senior season.
Stu Watkins, A.B. '74—first football player in WU history to earn All-America mention for three years.
Jacquie Welkener, B.S.P.T. '89, M.S.P.T. '89—WU's first women's basketball player to score 1,000 career points.
Harold Wiese, B.S. '30—captained Bears' 1930 tennis team that won the Missouri Valley Conference championship.
William H. and Elizabeth Danforth—during William Danforth's tenure as chancellor, the Danforths helped revitalize the athletics program and played a key role in the creation of the University's athletic complex.

Students Place Eighth in Putnam Math Contest
A Washington U. team ranked eighth among U.S. and Canadian universities and colleges at the annual William Lowell Putnam Mathematical Competition, which featured 2,314 contestants from 409 universities and colleges.

Of the 14 WU students who took the six-hour math test, seven finished in the top 200. The average score of the top three team contestants determines the overall placement. Carl Bender, professor of physics, and Richard Rochberg, professor of mathematics, coached the team. A WU team has been in the top 10 virtually every year since 1976.

Washington People
Michael J. Holtzman has been named the Selma and Herman Seldin Professor of Medicine in Pulmonary Diseases in the School of Medicine.
James McGarrell, professor emeritus of art, has received the 1995 Jimmy Ernst Award in Art from the American Academy of Arts and Letters.
Angela Miller, associate professor of art history and archaeology, is the 1995 winner of the Charles C. Eldredge Prize for Distinguished Scholarship in American Art, awarded by the Smithsonian Institution's National Museum of American Art.

Alan L. Schwartz, Alumni Endowed Professor of Pediatrics, was appointed head of the Department of Pediatrics in the School of Medicine.
Washington U. to Establish Cancer Center

Efforts to establish a world-class cancer center at Washington University Medical Center just received a boost from the National Cancer Institute (NCI), which awarded the School of Medicine a three-year, $814,000 planning grant to guide the creation of the Washington University Cancer Center on the Medical Campus.

The grant is the first step toward being named an NCI-designated cancer center, a title that would formally recognize the School of Medicine as a national center of excellence in cancer research and patient care. Currently, basic and clinical cancer research is conducted in numerous departments. Similarly, services for cancer patients are provided at many locations at the School and at Barnes, Jewish, and St. Louis Children's hospitals.

Arlene Stiffman, associate professor in the George Warren Brown School of Social Work, and a team of researchers at the School's Center for Mental Health Services Research, surveyed 797 youths aged 14 to 17 from four St. Louis City arenas that provide youth services: high schools, public health clinics, child welfare agencies, and the juvenile justice system. The study, funded by the National Institute of Mental Health, reported among its findings that 75 percent had heard or seen a shooting and 50 percent had seen a killing or serious beating, and 50 percent reported that murders occur in their own neighborhood.

"Violent teens live in a war zone and behave that way," said Stiffman. "The more violence that the youths have been exposed to, the more likely they were to be violent themselves, to misuse drugs and alcohol, and to lose hope for the future."

wuarchive, Where in the World Wide Web Are You?

Many readers said they were pleased to read about Washington University's own wuarchive, the best-known data domain on the Internet, featured in "One Big Byte of the World," in the Fall 1995 issue of this magazine. What the article did not divulge, however, was how to access it!

The Internet address for wuarchive is either ftp:wuarchive@wustl.edu or http://wuarchive@wustl.edu

In addition, the "home page" addresses for Washington University currently are http://www.wustl.edu (Hilltop Campus) and: http://medinfo.wustl.edu/wums (Medical Campus).

Missing from another section was the name of the artist who painted the University's portrait of William H. Gass, the David May Distinguished University Professor in the Humanities. The painting in the John M. Olin Library is the work of artist Marion Miller.

Real-Life Violence Is Big Influence on Teens

While politicians argue whether make-believe violence in movies and television is harming children, a Washington University study has found that a bigger behavioral influence may be the real-life violence that many inner-city teens face daily in their homes, schools, and neighborhoods.

High school students Ada Sams, left, and Cerise Cohee participate in a confidence-building exercise during the Minority Youth Entrepreneurship Program offered each summer to about 40 high school juniors from the St. Louis area. The program, which encourages minority teens to think about operating their own business as a viable career alternative, is sponsored by the John M. Olin School of Business and the Urban League of Metropolitan St. Louis.
An owl on Washington University's Brookings Hall.

The WU-Saskatchewan Connection

Chancellor Mark S. Wrighton’s arrival at Washington U. in July prompted a kind note of congratulations from Alistair W. McCrone, president of Humboldt State University in Arcata, California.

President McCrone wrote: “By coincidence, Washington University figures in the history of my own alma mater, the University of Saskatchewan. Specifically, when the University of Saskatchewan was formed early in this century, it sent a delegation to visit a number of universities to view the architectural styles that were manifest in their various buildings. It is my understanding that a visit to your institution yielded a good deal of architectural inspiration, which can be said to account for a measure of the beauty of the University of Saskatchewan campus. (Incidentally, as an erstwhile professor of geology, I am naturally pleased when local fieldstone is used in campus buildings.)”

Chancellor Announces New Administrative Appointments

Chancellor Mark S. Wrighton has named a new executive vice chancellor and three new vice chancellors and has established a new administrative group called the University Council.

Provost and interim dean of the Faculty of Arts and Sciences Edward S. Macias was named executive vice chancellor and dean of Arts and Sciences, effective October 1.

In a letter sent September 1 to faculty and staff, Wrighton praised Macias for his “leadership experience and distinction,” noting that the new position of executive vice chancellor “represents the importance of arts and sciences to the future of Washington University.”

Wrighton appointed James E. McLeod vice chancellor for students, in addition to his current role as dean of the College of Arts and Sciences. Shirley K. Baker has been named vice chancellor for information technology, in addition to her continuing role as dean of University Libraries. Baker and McLeod will report to Macias and to Wrighton.

Lee G. Weeks becomes vice chancellor for financial operations, in addition to his current position as chief financial officer and controller.

The newly created University Council meets approximately every two weeks during the academic year. Composed of the eight school deans and all vice chancellors, the council will assist the chancellor in “formulating University policy and will be responsible for implementation of policy,” Wrighton noted. Also serving on the University Council will be the chair of the Faculty Senate Council, Gustav Schonfeld, the William B. Kountz Professor of Medicine.

Food Court Debut

From a char-grilled chicken sandwich that boasts only three grams of fat to a salad bar with some 40 wholesome toppings, the new 650-seat Mallinckrodt Center Food Court offers healthful choices from Asian, Mexican, and Italian cuisines. Chancellor Mark S. Wrighton presided over the August 29 grand opening, which included giveaways and drawings for prizes, such as a $250 gift certificate to the newly refurbished Campus Bookstore.
Macias’ previous position as provost will not be filled. The school deans all will report to Wrighton.

Related administrative changes include the appointment of Benjamin S. Sandler as treasurer of Washington University from his previous title of assistant vice chancellor for budget and institutional studies. He reports to Weeks.

Associate Provost Gerhild S. Williams becomes associate vice chancellor in addition to her position as professor of German and comparative literature. She will continue working with Macias.

Dennis J. Martin becomes associate vice chancellor and director of financial aid from assistant provost and director of student financial services. He reports to McLeod.

Wrighton, who became chancellor on July 1, noted in his letter that “these have been not only a stimulating two months for me, but also two very busy months learning about the people and their responsibilities. I am confident that the leadership team is one that will serve the University extremely well.”

Radiologist Probes How Heat Kills Cancer Cells

Joseph L. Roti Roti, professor of radiology at the Mallinckrodt Institute of Radiology, is studying how a cancer treatment called hyperthermia kills cancer cells.

The treatment uses heat to destroy the tumor cells, and WU researchers who have studied hyperthermia for 16 years have found it useful as a supplement to conventional cancer therapies for certain types of cancer.

In August, Roti Roti received a five-year, $1,052,000 grant from the National Cancer Institute to continue his research. He and other researchers have learned that hyperthermia affects proteins inside the cell nucleus. How heat induces the tumor cell death is still unclear. Roti Roti is an associate director of the Radiation Oncology Center and chief of the Department of Radiology’s Section of Cancer Biology.

School of Social Work Marks 70th Anniversary with Conference

The George Warren Brown School of SocialWork, which celebrates its 70th anniversary this year, hosted an anniversary conference built on the theme “Innovations in Social Work.”

Held October 13–15, the conference showcased the leadership of the School’s graduates and faculty in the areas of practice, policy, education, and research. The weekend also included 21 special-interest roundtables featuring more than 80 different speakers, as well as class reunions and awards presentations.

The keynote speaker was Robert Greenstein, executive director of the Center on Budget and Policy Priorities, which is an independent non-profit organization established in 1981 to analyze federal and state budget and policy issues affecting low- and moderate-income Americans.

WU Medical Center Dedicates, Names Library

The School of Medicine renamed its medical library on May 10, in honor of Bernard Becker, emeritus professor and head of the Department of Ophthalmology and Visual Sciences. Becker chaired the University committee that oversaw the building’s design and construction.

Completed in 1989, the Bernard Becker Medical Library is an eight-level, 113,000-square-foot facility that supports research, teaching, and patient care at the Washington U. Medical Center.
Washington University’s superb teachers have changed the lives of the many students who have learned from them. Here, three alumni describe faculty whose lessons will last a lifetime.

**A. Gwendolyn Drew**  
**Professor Emeritus of Physical Education**

“Professor Drew is truly a wonderful person. That’s one of the things that stands out most in my mind; another is what a true professional she was. She really taught me what that meant, whether one is an educator or a dentist. She was totally dedicated to her job, to serving the profession, and she was excellent. Everyone respected her.

“I had Professor Drew for several education courses, and on the first day of my first class she told me she remembered teaching my mother 30 years ago! I thought that was remarkable. She used different teaching methods in different classes, but in every one there was a lot of discussion. She always listened to every student very carefully, and she responded to us all. You could go to talk to her outside of class, and she wouldn’t moralize about what to do and not to do; she always listened.

“When I was on the football and wrestling teams, I saw Professor Drew at all the events. She encouraged me, and that really impressed me, a young college kid. She went to all the games in every sport.

“She was genuinely caring, really a gentle person. She was just a true professional.”


**Evarts A. Graham, 1883–1957**  
**Bixby Professor of Surgery and Head, Department of Surgery**

“He was a larger-than-life friend and mentor. He arranged, for example, my internship after medical school; a three-year Rockefeller Fellowship upon my return from the mid-Pacific after the war; and then a five-year plan that included research, a chief residency in surgery, and a three-year full-time appointment.

“We were never personally close. I never found it easy to make light conversation with him, so our discussions were generally concerned with my lab activities. He never confided his.

“He was meticulous in conversation and writing, and he demanded the same of others—even to the point of disrupting programs and meetings to argue over the meanings of words and how the phrases were put together. He was certain that the research lab was the future for the development of the specialty of surgery, and he gave money, appointments, and encouragement to anyone in the department who was willing to research new ideas or new thoughts.

“His first great accomplishment was the development with three colleagues of cholecystography [x-ray of the gall bladder], a chemical laboratory contribution. Then, his research with the Empyema Commission led him to the human chest. In 1933 he became the first surgeon to successfully remove a cancerous lung.

“The world came to worship at Barnes Hospital’s and Evarts Graham’s door. But despite his international accomplishments, it was his students who gave him the greatest pleasure. He was a role model for many of us; none of us ever achieved or surpassed his mark.”

C. Barber Mueller, M.D. ’42, is professor emeritus in the Department of Surgery at McMaster University, in Hamilton, Ontario. For 20 years, he was editor of the Canadian Journal of Surgery.

**Evelyn Perlstein**  
**Professor Emeritus of Social Work**

“I credit Evelyn with my interest and enthusiasm for marriage and family therapy. In her introductory course we did all the things that I did later in my postgraduate training. Evelyn didn’t just lecture; our classes were experiential. We divided into teams, one playing the family, the other the therapist, and she videotaped the interactions.

“She laid an excellent foundation of theory and practice not only in that area but also in my specialty, alcoholism and drug addiction. In a course she co-taught on the treatment of the alcoholic family, I learned that the family is part of the solution.

“The way Evelyn put people at ease in her classes was by looking for strengths—a popular idea in therapy today. She was way ahead of her time.

“She loved her work, and that love spread to her students. She was a joy to see around the campus: She was always cheerful and would stop to talk. It’s a pleasure to recall the goodness Evelyn has added to my life.”

Peggy Keilholz, M.S.W. ’84, is a clinical therapist at Provident Counseling, in St. Louis, a clinical member of the American Association for Marriage and Family Therapy, and an AAMFT-approved supervisor.
Recognizing the Importance of Planned Gifts = Washington University in St. Louis

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☐ Please send me information about becoming a Robert S. Brookings Partner utilizing the outstanding income benefits and tax savings from a Washington University Life Income Plan.

☐ Please send me a personalized, confidential calculation using the following birthdate(s) to illustrate the very attractive benefits that I will receive from a Washington University Life Income Plan. I would like a calculation based on a theoretical gift of:

$________________. ☐ Cash ☐ Securities ($____) ☐ Real Estate ($____)

☐ I prefer ☐ Variable income ☐ Fixed income

First Beneficiary __________________________ Second Beneficiary __________________________
Birthday __________________________ Birthday __________________________
Relationship __________________________ Relationship __________________________
Comments ____________________________

☐ Please send me information on:
☐ Making a bequest to Washington University ☐ Other planned gift options

☐ Please have Phyllis Momtazee, Paul Schoon, or Mike Touhey from the Washington University Planned Giving Office call me.

Name ____________________________

Address ____________________________________________

City/State/Zip ____________________________

Daytime Phone ____________________________
Here is one example showing the benefits of a Washington University Charitable Unitrust with a gift of appreciated securities:

<table>
<thead>
<tr>
<th>Stock Purchase Price</th>
<th>Dividend Yield</th>
<th>Holding Period</th>
<th>Donation to Unitrust</th>
<th>Capital Gain</th>
<th>Tax on Capital Gain</th>
<th>Amount for Unitrust to Invest</th>
<th>Effective Payout Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 50,000</td>
<td>2.5%</td>
<td>more than one year</td>
<td>$ 50,000</td>
<td>$ 25,000</td>
<td>$ 0</td>
<td>$ 50,000</td>
<td>8.1%</td>
</tr>
</tbody>
</table>

**Option A: Keep the stock.**

Your income from this stock: $ 1,250

**Option B: Sell the stock and buy bonds.**

<table>
<thead>
<tr>
<th>Selling Price</th>
<th>Capital Gain</th>
<th>Federal Capital Gains Tax (28%)</th>
<th>Amount Remaining to Invest</th>
<th>Your income from 6% bonds:</th>
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</thead>
<tbody>
<tr>
<td>$ 50,000</td>
<td>$ 25,000</td>
<td>$ 7,000</td>
<td>$ 43,000</td>
<td>$ 2,580</td>
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**Option C: Benefit four ways from a Washington University Charitable Unitrust.**

<table>
<thead>
<tr>
<th>Donation to Unitrust</th>
<th>Capital Gain</th>
<th>Tax on Capital Gain</th>
<th>Amount for Unitrust to Invest</th>
<th>Your income from Unitrust at 6%:</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 50,000</td>
<td>$ 25,000</td>
<td>$ 0</td>
<td>$ 50,000</td>
<td>$ 3,000</td>
</tr>
</tbody>
</table>

Federal Income Tax Deduction*: $ 19,016

**Federal Income Tax Savings**: $ 5,895

Total Tax Savings: $ 12,895

Effective Payout Rate: 8.1%

*Donors—husband and wife—both age 70 at the 31% bracket. This plan works well for people over age 60. For people at younger ages the Deferred Payment Gift Annuity or a Term Trust are available.

For further information about a Washington University Trust or other planned gift, or to learn more about the Robert S. Brookings Partners, complete the attached reply card or call 1-800-835-3503 or 314-935-5848.
Our work awaits us. Let us begin.

With these words Chancellor Mark S. Wrighton concluded his inaugural speech and opened a new era for Washington University.

At the warm and gently joyous inaugural dinner honoring Mark S. Wrighton on the eve of his installation as the University's 14th chancellor, Daniel B. Shea, English department chair in Arts and Sciences and Inaugural committee co-chair, spoke to delegates and friends about the significance of the October 6 event to Washington University. The Inauguration, he said, "springs from tradition and charges the synapse between old and new"; its ceremonies "suggest their affinities with the past," and its spectators have a "vivid sense of an invisible passage of the burden of duty and challenge from the once to the future leader."

Noting that all this would take place on the grassy plain that is the intersection of "ancient Oxbridge architecture and 1904 World's Fair optimism," Shea said the occasion would be "marked and measured, as we all are, by time, and in particular, by the Tower clock, which tells us that when the hours have fled, our works will remain."

With Mark Wrighton's installation in Brookings Quadrangle in view of the Tower clock, on a brisk autumn day swept by winds of the changing season, a new era began. For the first time in 24 years, a new chancellor leads Washington University.
Guided by William H. Danforth, chancellor from 1971 until June 30, 1995, Washington University has become one of the world's most respected teaching and research institutions. Now chair of the Board of Trustees, Danforth passed the symbols of leadership to Mark Wrighton at the installation ceremony, placing the golden Chancellor's Medallion around Wrighton's neck and a specially commissioned copy of the University's charter in his hands. Nearly 3,000 faculty members, students, staff, delegates from other colleges and universities, and members of Wrighton's family looked on.

The 90-minute ceremony was part of a series of commemorative inaugural events that began with the dinner on Thursday, October 5. Following a welcome from Danforth, warm and often witty tributes came from five speakers, including former colleague Ellen T. Harris, associate provost for the arts at Massachusetts Institute of Technology, where Wrighton was provost and chief academic officer until he was appointed WU's chancellor; and Harry B. Gray, Beckman Professor of Chemistry and director of the Beckman Institute at California Institute of Technology, where Wrighton earned his doctorate in chemistry.

Inauguration day began with the University's first-ever inaugural symposium, "Learning and Discovery: Gateways to the 21st Century," which featured 14 faculty from diverse disciplines (see page 48). Wrighton had specified the theme on his first visit to campus after his appointment. Afterward, WU students chatted with Wrighton as they hosted a festival in Bowles Plaza featuring frozen refreshments that bore his name.

At 12:30, delegates and invited guests including the chancellor's family joined Wrighton for an inaugural luncheon in a heated tent on the Women's Building lawn. Meanwhile, bagpipers serenaded students on the South 40 and later led them to Brookings Quadrangle.

Remarkable treat: Frozen custard king Ted Drewes, A.B. '50, created the "Mocha Mark" in honor of the day.

The honor conferred: Board of Trustees Chair William H. Danforth bestows on Chancellor Wrighton the symbol of office, the Chancellor's Medallion.
It was exciting to see Washington University accept our new leader so warmly."

David T. Blasingame, Chair, Inauguration Committee

Shortly before three, as crowds of students, staff, alumni, and friends streamed onto the lawn to take their seats in front of Beaumont Pavilion, the blustery, silver-gray afternoon came alive with color and conversation.

Majestic chords sounded, played by the Mighty Mississippi Concert Band of St. Louis, directed by Dan Presgrave, director of instrumental ensembles and lecturer in music, and the academic procession began. Robed like medieval scholars wearing the colors of stained glass, 460 faculty, Trustees, alumni, University presidents and chancellors, and administrators marched from Ridgley Hall across the Quadrangle toward the Tower and then turned toward Beaumont Pavilion. Walking side by side at the end of the pageant were Danforth and Wrighton. The audience applauded as the historic pair approached.

A few minutes later, Grand Marshal Burton M. Wheeler, professor of English and of religious studies, called Danforth to the podium to present the opening remarks, and the audience rose to its feet with another round of applause. It was a twofold tribute—a farewell and welcome. Suddenly the words of University of Miami president Edward T. Foote the evening before belonged to the moment.

Smiles and hearts all for thee: Chancellor Wrighton leads the recessional after the installation ceremony. Behind him are master of ceremonies Burton M. Wheeler, left, and Board of Trustees Chair William H. Danforth.

Foote, former vice chancellor, general counsel, and law school dean during his 10 years at Washington University, had talked about the University with feeling, saying that "with all of the . . . academic lustre, the intellectual distinction," it is "a place of caring and concern."

Elizabeth Appunn Peterson, M.M. '95, sang "America, the Beautiful"; then representatives of the University community welcomed Wrighton to the family. The praise was echoed by joyous song as the Chamber Choir of Washington University, directed by associate music professor John H. Stewart, sang Randall Thompson's "Alleluia.” With that, the time had arrived for Wrighton's investiture and the presentation of the symbols of office.

Taking his place at the podium, the new chancellor began his far-reaching inaugural address, "Learning and Discovery: Gateways to the 21st Century." (See page 14.) It culminated in a call to cooperative action, in order to fulfill "our quest for knowledge and creative contributions that bring benefits to society."

Once the long applause subsided and the chorus of "Alma Mater" gave way to the recessional, Mark Wrighton led his colleagues down the brick walkways, occasionally pausing to greet members of his now vastly extended family. Still to come were a reception on the lawn, a student-sponsored evening gala in the Field House, and the School of Medicine's Second Century dinner for the chancellor and guests.

"It was exciting to see Washington University accept our new leader so warmly," said David T. Blasingame, A.B. '69, M.B.A. '71, vice chancellor for alumni and development programs and chair of the Inauguration Committee. "All parts of the University family participated, and the entire campus community had an opportunity to hear directly from Chancellor Wrighton early in his tenure about the University's priorities for the future."

The high praise for the chancellor conveyed so warmly at the inaugural dinner and so emphatically on Inauguration Day took on a special cast in the words of students.

“He's simply awesome, very personable,” said Estelle-Marie Montgomery, a doctoral candidate in psychology. Lisa Jericho, B.S.B.A. '95, told Wrighton: "I know that the heart of Washington University really comes from every person who walks through the arches of Brokings Hall. Now you are not only part of that heart but charged with keeping it healthy."

---Judy H. Watts
From the University Community

GREETINGS TO CHANCELLOR WRIGHTON

On behalf of various Washington University constituencies, eight greeters welcomed Mark S. Wrighton. Excerpts from their remarks follow.

FOR THE FACULTY

Gustav Schonfeld, A.B. '56, M.D. '60, William B. Kountz Professor of Medicine and chair, Senate Council

As Mark Wrighton undertakes this daunting challenge, he will find the faculty supportive of his efforts. He has impressed all who have met him with his clear appreciation of the requirements of first-rank institutions. . . . He seems to know what is required, but he does not impose; rather, he seeks ideas and consults widely. . . .

FOR THE GRADUATE STUDENTS

Jennifer Rodi, John M. Olin School of Business; President, Graduate Professional Council

Chancellor Wrighton will set a stage that invites every professional and graduate student to maximize [his or her] time here. . . . Under his leadership, professional and graduate students and their programs will achieve and maintain greatness and success in their respective disciplines. . . .

FOR THE UNDERGRADUATE STUDENTS

Mark Klapow, Senior, Arts and Sciences; President, Student Union

Let us use this great day as an opportunity to look ahead toward our future. . . . Today is about reaffirming our University's commitment as a leading national research center and, more important, as an educator of young adults.

FOR THE STAFF

Gloria W. White, M.A. '63, M.J.S. '80, Vice Chancellor, Human Resources

Washington University would be nothing at all without the vision, good will, hard work, and intellect of students, faculty, staff, administrators, and you, Chancellor Wrighton. We welcome you, and we pledge our support to you and the continued growth and development of this great institution.

FOR THE PARENTS

David Habif, Chair, Parents Council

We send into your care that which is most precious—our children. . . . With you go all our hopes—

for our children and for Washington University: all that it is and all that you can guide it to be.

FOR THE ALUMNI

Barbara A. Feiner, M.B.A. '83, Chair, Alumni Board of Governors

Because of [Chancellor Wrighton's] intelligence, experience, and commitment to excellence in both teaching and research, we believe in the future of the University under his leadership. . . . Our degrees from here are integral components of our identities. As the University continues to grow in quality and distinction, the value of each of those degrees also is enhanced.

FOR COLLEGE AND UNIVERSITY PRESIDENTS AND INTERNATIONAL ALUMNI

Ja Song, M.B.A. '62, D.B.A. '67, President, Yonsei University, Seoul, Korea

Chancellor Wrighton, your sister universities at home and abroad look to you with great expectation, and your alumni, particularly those of us serving outside the United States, expect that you will lead our alma mater to a new place in this shrinking world, that Washington University will be one of the first in breaking down the walls that continue to exist in the global village and will be a leader in building a sense of community that embraces all people everywhere. . . .

FOR THE TRUSTEES

W.L. Hadley Griffin, L.L.B. '47, Life Trustee, past chair, Board of Trustees

Trustees have no higher responsibility, and certainly none with more lasting impact, than the selection of the chancellor. They do not do this very often, but they do have a record of doing it very well. . . . So to you as our new chancellor and to you as our newest St. Louisan, I bid you a warm welcome on behalf of the Board of Trustees. Exciting times lie ahead.
Learning and Discovery

By Mark S. Wrighton

Below is the complete text of Chancellor Mark S. Wrighton’s Inaugural Address, presented at his Installation Ceremony in Brookes Quadsprale on October 6.

Members of the Washington University community and distinguished guests, I accept appointment as Chancellor of Washington University in St. Louis. I do so with enthusiasm, mindful of the confidence and trust placed in me, the responsibilities before me, and the high expectations that accompany such an appointment.

My promises are to do my very best for Washington University and to work hard to sustain the trajectory of improvement that has characterized this great University under the leadership of Chancellor William H. Danforth and his life partner, Elizabeth. It is an honor to be selected to follow such a distinguished and accomplished university leader—one who has contributed so much to the St. Louis community and to higher education in America. We are all fortunate to benefit from the new leadership role that Dr. and Mrs. Danforth will play in our community in the years ahead.

In these remarks I will outline a few key themes that will guide me as Chancellor. These themes represent a synthesis of considerations drawn from conversations with the faculty, students, administrative leaders, and Trustees and from an assessment of the issues we face and the strengths we bring to our mission.

“Learning” and “discovery” are what take place at research universities, and this is an institution that values and encourages both. In my own career, inspiration has come from great professors, students, and colleagues who assisted me in developing the ability to learn and to discover new knowledge. Since coming to Washington University, I have been impressed with the rich and diverse undergraduate, graduate, and professional programs, which already have provided new and stimulating experiences for me.

Learning what others know is achievable by all who enter this University, though the learning process may take place at different rates and in different ways. But beyond learning what others know, we foster original scholarship, creative expression, and research. There is no greater reward than that associated with charting new territory for humankind. When this University was founded, St. Louis was the gateway to America’s West. Today, learning and discovery represent our contributions to providing gateways to a brighter 21st century.

Early Impressions

Washington University is among the top research universities in America. The high standing we enjoy in this country places us among the leading universities in the world. There are tangible measures of our stature that put us among the top universities, such as excellent faculty and students, a large amount of sponsored research, and a sizable endowment.

But there are also some very special qualities that bring strength to this University. I have had the opportunity to explore Washington University from a unique perspective, and each day has been one of revelation. At every turn I have encountered exciting, friendly, and enthusiastic faculty and students. The administration and staff members are superb, and I have become aware of exceptional achievements of our community. We also enjoy an extraordinary level of support from our graduates and friends, not only those in St. Louis but also in other parts of the nation and world.

Perhaps most important is the high degree of mutual respect, integrity, civility, and community I have found. Learning and discovery are activities which sometimes involve controversy and disagreement, but it is clear that my high expectations for an intellectual community capable of open discourse will be realized at Washington University. The diverse community that comprises Washington University is an important asset. Its people are drawn from many backgrounds, from many states and countries, and differ with respect to race, ethnicity, and intellectual interest. This stimulating mix is one we must work to sustain.

Commitment to a total educational experience for our students also is evident. A large number of activities give our students experiences outside the classroom. These range from leadership opportunities in our residence halls and orientation programs to participation in intercollegiate and club sports to performing arts programs. Many of our students are involved in public service during their time here. Our University provides settings for student growth, in addition to formal educational offerings.

Academic programs of Washington University are impressive, both in scope and in depth. Architecture, Arts and Sciences, Business, and Engineering and Applied Science are elements of our academic enterprise with which I have had experiences, and I am confident that we have the strengths that will sustain our progress as a university. Arts, Law, Medicine, and Social Work are new intellectual areas for me, ones for which I have not previously had responsibilities. One reward of serving as chancellor is the opportunity to learn more about these areas and to be a part of future achievements. Each of our schools has been, and will be, an important part of what makes our University a great place for learning and discovery.

Building on the Partnership with St. Louis

Our location in St. Louis, Missouri—the heart of America—is an advantage and one we can build upon. Friendly and supportive, St. Louis has a rich history, and Washington University will always be linked to this great community. We were founded in 1853 when St. Louis was the thriving economic center of an emerging nation, and our destiny was to become a great university for a great metropolitan region. In seeking to build on our location and origin, Washington University is developing an academic focus on the study of American culture. Outstanding programs in American history, literature, political science, economics, and busi-
ness are all elements of what will attract outstanding international students to come and learn in America, and, importantly, will attract Americans to learn about America.

Part of the regional impact from our mission is that nearly 32,000 graduates of Washington University live and work in the St. Louis area. Our growth as a national university brings new vitality to the region. About three decades ago, 85 percent of our undergraduate students came from within 25 miles of Brookings Hall. Today, more than 85 percent of the undergraduates are from outside the state of Missouri, representing all 50 states and more than 45 countries. Our graduate and professional students come from all regions of the nation and world. All make significant contributions to our community while they are here, and many of our outstanding students stay in St. Louis to pursue their careers. New businesses and professional practices have been started by our graduates, creating new employment opportunities for this region. We will sustain our efforts to reach out to the finest students and encourage their attendance at Washington University. Today, we have active interest in our undergraduate programs from more than 100,000 of the finest high school seniors in America, more than double the number at this time last year. We also will continue to draw outstanding students to our graduate and professional programs. Thus, we bring diverse and talented human resources to our region.

The partnership with St. Louis extends beyond our link with our graduates. We are fortunate to have many fine colleges and universities in the region with which we collaborate and share facilities. Collaborations also involve both large and small corporations, businesses, and professional practices. We find much that binds us together, providing opportunities to better fulfill our mission of education, research, and service.

Our relationships with St. Louis are symbiotic in many ways. University College provides formal educational offerings to a large segment of the St. Louis community, but our engagement goes well beyond such formal instructional programs. Our School of Medicine delivers state-of-the-art health care to many, while providing educational opportunities for our students. Our George Warren Brown School of Social Work engages its professional degree candidates in internships in the St. Louis area, delivering talented and caring people to address pressing social problems in our region and, at the same time, deepening the experiences of our students. The John M. Olin School of Business offers special programs for men and women employed in area corporations, programs ranging from seminars and short courses to Master of Business Administration degree programs, providing opportunities for students, faculty, and staff to interact with leaders of business and not-for-profit organizations.

Internships with the School of Engineering and Applied Science afford other important links involving our students and faculty with St. Louis-based companies. Our School of Law students are engaged in work in the St. Louis offices of the Missouri Public Defender. Our Schools of Art and of Architecture provide a lively addition to the visual arts community, through exhibits of their own work and participation in the activities of the St. Louis community. Arts and Sciences enriches this community through a wide range of intellectual and cultural events, including lectures, seminars, and musical and theatrical events. Such activities also create opportunities for our faculty and students to work with a broader community than will be found on the University campus.

Our Gallery of Art and Edison Theatre provide cultural enrichment for members of our entire community.

In short, the partnership of Washington University with St. Louis is multidimensional and synergistic, bringing benefits to all involved. Our partnership with St. Louis is part of our past, and our future success depends on this partnership. Founded at a time of westward expansion, we now have the vision of a St. Louis–based university where learning and discovery represent the gateways to enhancing the quality of life for St. Louis, America, and the world.

INTERNATIONALIZATION: LINKS WITH THE WORLD

While firmly and inextricably linked to St. Louis, Washington University will remain among the leading educational institutions only if we are preparing our students to live and work in an increasingly international world. Rapid communications and efficient transportation have made it possible for people of the world to work across great distances. Indeed, St. Louis people and organizations figured prominently in the development of modern commercial air transportation. The “Spirit of St. Louis” is still very much alive in work by our School of Engineering and Applied Science to develop an information infrastructure that assists in bringing our world closer together.

Much of the developing world is far from the United States, but the impact of development may have large local consequences. For example, Asia represents a major market for American business. In another vein, there is the potential for major environmental deterioration arising from the development process itself and the attendant growth in the use of energy. The use of synthetic chlorofluorocarbons and the resulting effects on the ozone layer of the atmosphere are a sign that international cooperation will be required in the future as the developed and built world is extended. The School of Architecture will have special significance in preparing our students for work on development projects in emerging countries, but there are many educational needs that will be met by Washington University in preparing students for an increasingly international world.

An important element of internationalization includes the opportunity to work with students and scholars from around the world. The quality of our programs is attractive to outstanding students from other countries, and Americans who study at Washington University will have the opportunity to learn from them. A good balance of American and international students enhances the educational experiences for all and broadens the network of friends and potential collaborators. Developing strategic
Developing strategic relationships with institutions in other countries will be vital to partnerships with the best students and scholars in those countries.

Through this process our National Councils will continue a critical role in developing consensus regarding future opportunities. The objective will be to contribute to the development of Washington University as one of the world's most respected centers of intellectual activity.

**Commitment to Excellence:**

**People, Programs, and Facilities**

A great university is characterized by an excellent student body and by an excellent faculty. These are enduring characteristics of all great universities. Attracting and retaining distinguished faculty and having the opportunity to work with the most outstanding students depends on having across-the-board excellence in other elements of the University, including its staff and facilities.

It has been my good fortune to find dedicated, hard-working, and distinguished people at Washington University. In this highly competitive world, it is essential that we work to properly recognize and reward all members of our community. We must sustain our efforts to recruit outstanding faculty and to retain them as their careers develop and flourish. Our special efforts to attract and retain women and members of underrepresented minority groups are ones which will be encouraged, and our continuing faculty will play a larger role in these efforts. The academic leaders—deans and department chairs—have a responsibility in this regard, but all faculty share the responsibility to enrich our faculty with greater diversity.

Our faculty are dedicated to the important mission of teaching. Assisting others in learning is a core responsibility we have to our entire constituency. Extraordinary commitment to teaching will be nurtured and rewarded.

The considerable investment placed in Washington University by our students and their families, by our corporate, government, and foundation sponsors, and by our graduates and friends will bring larger returns if we strive to improve all that we do. A world-class institution will only be world class if it is excellent in all aspects of its operations. Thus, there is an important role for every member of the Washington University faculty and staff. We who work in a university enjoy the privilege of contributing to the development of tomorrow's leaders by working with students, and it is gratifying to see our entire community contribute to an atmosphere that facilitates learning and discovery.

Facilities for education and research must be of the quality needed to attract and retain the best faculty and to engage our distinguished students. Much of the physical plant of Washington University is both beautiful and of the dimension and quality needed to meet today's needs. However, there are some buildings and spaces that were built for another era and do not meet today's education requirements. These deficiencies will be reviewed and improvements made.

Information resources for learning and discovery are also vital to our success. We have strong libraries, but the future promises a rich elaboration of the sources of information. We must become adept in accessing and contributing to the expanding information marketplace. As leaders in the development of computing and communications, we should also emerge as leaders in the application of these resources to our education, research, and service missions.

The guiding principle underlying our commitment to excellence will be that for Washington University to be great, every one of our schools must have an opportunity to excel in its area of intellectual activity. But excellence cannot be established by drawing down the resources of one school to directly assist another. Rather, the commitment to excellence demands the expansion of support for academic units which are not blessed with the most affluent alumni. Thus, securing new support for our Schools of Art, Architecture, and Social Work will be a priority. Uniformity of excellence will bring both distinction and distinguishability—both essential in being recognized as one of the best universities. For our students and graduates, we will work to sustain our path to excellence so that you will become even more proud to be linked to Washington University.

We will be successful when we draw...
Setting Priorities: Necessary Response to an Era of Constraint

The opportunities before us clearly outstrip our resources to achieve them. No great university would really want it any other way, because to have more resources than desired would signal a situation where ideas, not resources, limit what is accomplished.

We are grateful that this University is not one limited by ideas and opportunities. However, being limited by resources brings us to the inevitable conclusion that we must set priorities. Indeed, it is likely that care in setting priorities will be the most critical element in sustaining the growth in stature of Washington University. Both the priorities we set and the processes used to define them will be important to our success.

Efforts to set the key priorities will be ones engaging our faculty, students, graduates, and friends.

During the process leading to my election as chancellor and in the months that have followed, it became clear that the resolve of Washington University to move to the next level of achievement among universities will require that special attention be directed toward enhancing Arts and Sciences. It is in this area that we find nearly two thirds of our undergraduate majors, and it is this entity that coordinates all of the University's Ph.D. programs.

Moreover, all undergraduates enrolled in the professional schools of Art, Architecture, Business, and Engineering and Applied Science receive much of their undergraduate education from Arts and Sciences. Excellence in Arts and Sciences is essential to success for Washington University in the 21st century. Plans for further development of Arts and Sciences at Washington University are not fully formed, and students, faculty, other academic leaders, and Trustees must work to develop the specifics.

But an emphasis on Arts and Sciences does not diminish our need to enhance the stature of our other schools. Indeed, in order for Washington University to advance, we must achieve a greater degree of uniformity in our quality. An excellent set of professional, graduate, and undergraduate schools working cooperatively will lead to our collective advancement as an institution. By emphasizing Arts and Sciences we strive to enhance what is at the core of our University, and success will bring greater distinction to all of our schools—allowing us to attract and retain the best faculty and improving our opportunities to continue to attract an ever-stronger student body.

Facing Complexity: Addressing Real Problems

Washington University is destined to achieve some of the most challenging and worthy goals of humankind. Our excellent faculty will be preparing leaders solving tomorrow's problems, while students are here, we need to work with them to address today's problems. A 30-minute visit to our School of Medicine's Department of Pediatrics, which provides neonatal intensive care at St. Louis Children's Hospital, reveals the complexity of the problems we face. The premature infants receive the best care science and technology can provide, while hopeful parents anxiously watch. The total cost can exceed $40,000 for each infant. Learning that a significant fraction of the premature births could be avoided by better prenatal care for the expectant mother reminds us of the difficult social problems within just a few miles of our School of Social Work. These and others of the world's problems are ones that are not solved working alone over a long night at the library, in a studio, in a laboratory, or in a residence hall doing class assignments.

The vexing problems and challenges we face are ones that are multidisciplinary in character, requiring concerted, synergistic effort from many intellectual perspectives. Cooperation and collaboration will be needed, and there will be important outcomes in terms of the educational achievements of our students and the original contributions they, our faculty, and staff will make. Some areas of contribution will involve improving human health, sustaining the environment, developing economic strength, fostering world peace, and enhancing the quality of life.

These lofty areas of contribution are ones which fit the essential criteria for successful University initiatives: The problems are ones which spark intellectual interest and creativity; they are significant; there are excellent faculty who can take leadership roles; students find these areas to be meaningful ones in which to learn and contribute; and there is ample room for highly individual contribution within the framework of a well-structured interdisciplinary partnership. No important problem is too complex or too difficult to tackle, and we will apply our creative efforts to problems of practical and intellectual significance.

Learning and Discovery: Gateways to the 21st Century

Whatever progress is made in solving the problems confronting our global society, we can be assured that well-educated people will be key—people working individually and cooperatively and people working in many areas and with many backgrounds and perspectives. We need people who will encourage understanding of the problems we face; we need people to create approaches to solving problems; we need people to implement solutions; and we need people to help us better appreciate our world and our own creativity. The Brookings Hall arch as the entrance to the Quadrangle is a tangible gateway to an institution with an important mission. We have the responsibility to encourage learning and discovery—the figurative gateways to a 21st century better than the 20th.

I pledge to work to build a brighter future for those who follow us, and I ask your support in this effort. May the "Spirit of St. Louis" move among us in our quest for knowledge and creative contributions that bring benefits to society. Let us set this day of inauguration as our day of commencement toward achieving our mission. Our work awaits us. Let us begin.
Time of Tradition, Time of Joy

INAUGURATIONS BRIEFLY NOTED

Washington University's first inaugural ceremony commemorated its own inauguration. Founded in 1853, the institution became a university four years later. That event was held in Academic Hall, on the former downtown campus, and the Hall of the Mercantile Library Association.

Eight chancellors have had formal ceremonies at various locations:

Joseph Gibson Hoyt, Hall of the Mercantile Library Association in downtown St. Louis, October 4, 1859.

William Chauvenet, University Hall, downtown campus, June 17, 1863.

William Greenleaf Eliot, University Hall, February 29, 1872.

Winfield Scott Chaplin, Music Hall, downtown campus, January 11, 1892.

Herbert S. Hadley, Francis Gymnasium, Hilltop Campus, November 10, 1923.

Arthur Holly Compton, Field House, Hilltop Campus, February 22, 1946.

Thomas H. Eliot, Brookings Quadrangle (in front of Ridgley Hall; Beaumont Pavilion had not been built), October 12, 1962.


(Top) Musical bears: Chancellor Wrighton delighted guests at the Inaugural Gala when he agreed to join the dancing.

(Above left) That's a winner! Ted Drewes, A.B. '50, congratulates the student who won a prized ride in Chancellor Wrighton's sports car.

(Above right) "Makes me want to shout!" Student revelers cheer on their new chancellor to the tune of the hit song "Shout!"

(Left) 'Round the tables: Chancellor Wrighton thanks inaugural luncheon goers for attending.
An academic robing: Chancellor Wrighton prepares to don his gown and hood, with the help of staff member Kristi Meyers-Gallup.

The draw of the art: Students walking through the Forsyth Boulevard underpass stop to admire their peers' friendly caricature of Chancellor Wrighton and his famous '84 Corvette.

Addressing the next century: The newly installed chancellor begins to chart the University's future course in his inaugural speech.

THE CHANCELLORS OF WASHINGTON UNIVERSITY

Joseph G. Hoyt
1858–1862**

William Chauvenet
1862–1869

(Benjamin Tweed)*
1869–1870 (acting)

(Abram Litton)*
1870 (acting)

William Greenleaf Eliot
1870–1887

(Marshall S. Snow)*
1887–1891 (acting)

Winfield S. Chaplin
1891–1907

David F. Houston
1908–1917

Frederic A. Hall
1917–1923

Herbert S. Hadley
1923–1927

George R. Throop
1927–1944

(Harry Brookings Wallace)*
1944–1945 (acting)

Arthur Holly Compton
1945–1953

Ethan A.H. Shepley
1953–1961

Carl Tolman
1961–1962

Thomas H. Eliot
1962–1971

William H. Danforth
1971–1995

Mark S. Wrighton
1995–Present

* According to custom, acting chancellors are not included in counts of an institution's chancellors.

** Although the institution was founded in 1853, it did not become a university until 1857. The first chancellor was appointed the following year.
THE SPECTATOR'S GUIDE TO ACADEMIC DRESS

Academic robes are sartorial descendants of clerical robes students and teachers wore at medieval universities. A century ago, American institutions adopted a code governing cut and color that has since been updated. The gowns of those who hold doctoral degrees, for example, are faced on the front with velvet and worn either open or closed. Chancellor Mark S. Wrighton, who earned a doctorate in chemistry from the California Institute of Technology, wore Caltech's black cap and gown, and a hood lined with orange, white, and blue.

William H. Danforth, chair of the Washington University Board of Trustees, wore the crimson of Harvard, where he received his medical degree.

Washington University faculty marched in caps, gowns, and hoods of the schools that granted their highest earned degree. Other Board of Trustees members and visiting delegates wore academic regalia representing either their home institution or the university that granted their highest earned degree.

Student marshals' caps and gowns were in keeping with their highest earned degree. Undergraduates dressed in the basic black undergraduate robe.

(Top left) And the pipes played on: Pied bagpipers lead students from the South 40 to Brookings Quadrangle.

(Top right) Noontime student festival: Students packed the Bowles Plaza for their inaugural festival.

(Above center) Family pride: James Wrighton claps his father's hand after the formal installation. Other members of the chancellor's family pictured are, from left, Wrighton's brother, Glenn; his sister, Ellen Vickery; and his mother and father, Doris and Robert Wrighton.

(Left) Historic perspective: The inaugural throng gathers near Brookings Hall.
Philosophy, psychology, and neuroscience team up to study what human thought is all about.

by Robert Lowes

Neuro-philosophical junction: Philosophy professor Andy Clark, shown with a model of the human brain, directs a program that puts philosophy students on the Medical Campus.

Jennifer K. Mundale, a sixth-year doctoral student in philosophy at Washington University, has asked all the big questions that Plato, Descartes, and Hegel asked: What is the mind? What is its relationship with the body? How do we know something?

But unlike those esteemed gentlemen, Mundale also has dissected a human brain and looked at neurons under a microscope. "I remember the first brain I dissected," says Mundale. "I couldn't help but think, 'What sort of person had this brain?' All that person's experience, in some weird sense, was in that organ. I couldn't sleep for several nights after that."

Mundale made her foray into brain anatomy as part of the university's Philosophy-Neuroscience-Psychology program (PNP), a two-year-old interdisciplinary effort that allows doctoral students to explore the mind-body connection that has perplexed philosophers for centuries. Mundale's first encounter with gray matter typifies the students' discoveries in the program, one of a dozen or so
The PNP program is the only one of its kind that gives doctoral students in philosophy actual laboratory experience in neuroscience.

Brain mappers: At top right, neurology professor Steven Petersen (l.) shows philosophy students Jennifer Mundale and Rob Stufflebeam an electronic view of a biological computer. Pictured above is psychology professor David Balota, who explores how the brain processes information.

nationwide in the emerging field of cognitive neuroscience. Using technology such as positron emission tomography, or PET, WU researchers are “mapping” the regions of the brain that are most active—consuming increased amounts of glucose, for example—when a person talks, thinks, or feels blue. Other researchers are recreating mental processes with sophisticated computer models of brain cells called neural networks. Together, they are making discoveries that could lead to advances in artificial intelligence, education, and the treatment of neurological disorders such as Alzheimer’s disease.

At the same time, cognitive neuroscience raises profound and sometimes dizzying questions. Is it possible to create a computer with a sense of self? Or, as some assert, is human consciousness a fiction?

The PNP program, funded in large part by the James S. McDonnell Foundation, currently is open only to doctoral students in philosophy. However, PNP director Andy Clark, professor of philosophy, says he anticipates that doctoral students from other departments eventually will participate. The 11 students now enrolled are completing the usual coursework for a philosophy doctorate, but they also are taking 18 additional hours of classes in either cognitive neuroscience, psychology, or both.

Although PNP students must have strong academic backgrounds (in any discipline), dedication and enthusiasm are musts. “Even though they have a fifth year to squeeze in the psychology or neuroscience hours,” Clark says, “they have to work extra hard. They also have to learn a different culture at the medical school and put in long hours of lab work, which doesn’t count toward their additional 18 hours. All this comes on top of what they’re working on in philosophy. It’s an awful lot.”

Steering them along are more than two dozen professors in the departments of psychology and philosophy, in Arts and Sciences, and five others on the Hilltop Campus as well as numerous members of the neurology and radiology departments at the School of Medicine.

The result is academic cross-fertilization. When Mundale finishes her doctoral dissertation on the various scientific methodologies that underlie brain mapping, for example, she will face a four-member thesis committee that includes medical school faculty such as Marcus E. Raichle, professor of neurology and radiology, and Steven E. Petersen, associate professor of neurology and director of the division of neuropsychology. Both are leading lights in the field of PET investigation of the brain.

Philosophy Returns to Its Roots

“What happens is, philosophy students learn to speak the same language as the neuroscientists,” says Clark. The PNP program, he says, is the only one of its kind in the United States that gives doctoral students in philosophy actual lab experience in neuroscience. That distinction illustrates how philosophy, sometimes associated with abstract speculation, has come full circle to its roots in natural science. Aristotle, who classified animals and studied their reproduction, is called the father of biology, for example.

“Traditionally, philosophers haven’t gotten themselves dirty,” jokes Robert S. Stufflebeam, a fourth-year PNP student who has dissected brains and peered at brain-tissue slides. “For my part, I think that models of cognition should be constrained by how the brain actually works.”

Philosophy’s contribution to the program is helping create an intellectual framework for the scientific investigation
conducted by the neuroscientists and psychologists. "Philosophy tries to get the big picture and work out how findings in different fields relate to each other," says Clark. "I know a lot about neural networks, for example. If I come across a discovery in psychology or neuroscience, I can ask, 'What does that mean for neural networks?'" The branch of philosophy that analyzes science itself," he adds, "is a forte of the philosophy department." In this role, philosophers may question, for instance, whether a scientific theory that purports to explain subjective experiences such as sadness actually lives up to its claims.

**Charting the Electrochemical Brain**

Psychologists approach cognitive neuroscience from a behavioral point of view, says David A. Balota, professor of psychology in the PNP program. Balota, who studies scrambled information processing in Alzheimer's patients, says that for neuroscientists to locate brain centers for a particular cognitive behavior, that behavior must be described precisely.

"Our naive understanding of how cognition works is often incorrect," Balota says. "Let's say I give you four digits including the number nine and then ask you if nine is one of the digits. You might think your brain goes through the list of digits and stops as soon as it comes to the nine. But studies have shown that the brain scans each and every number, even though the nine might have been the second digit in the series. You have to understand the behavior before you can pinpoint it in the brain."

This dictum is evident in Steven Petersen's research on selective attention. In one experiment, a subject is asked to focus on a spot on a computer screen while paying attention to other objects within peripheral vision. "This way, we divorce attention from eye movement, which isn't the same thing," says Petersen, who collaborates with Balota on brain mapping. "PET scans show that a region in the superior parietal cortex is activated when a person is fixing his or her attention on something, but not moving his eyes."

Images of brain activity with their patches of psychedelic yellow and red on a computer screen show how far science has come since the days when Aristotle conceived of the brain as a kind of bodily radiator. "To him, the heart was the organ of soul that controlled behavior, and the brain was a secondary organ," says Stanley Finger, a professor of psychology in the PNP program. "The body's animating spirits would travel from the nerves to the heart and then to the brain, where they would be cooled off so the heart could act more rationally."

The idea of spirits coursing through the body gave way to the notion of electric current in the 18th century. The stage was then set for understanding the electrochemical basis of neuroscience—electrical impulses that travel from neuron to neuron via chemical transmitters such as serotonin and dopamine. It's only a hop, skip, and jump across a synapse to view neurological circuitry in terms of a computer.

"The question is not 'Is the brain a computer?' but 'What type of computer is it?''' says Andy Clark. Rick Grush, one of two postdoctoral fellows in the PNP program who are funded by a grant from the McDonnell Foundation, is trying to find the answer through research on computerized neural networks.

The capability of brain-mimicking software ranges from simulating the flocking of birds—the work of "multiple brains," says Clark—to generating grammatical sentences. "You give the computer a word like boy, and it replies with a word like runs that makes grammatical sense," says Clark. Artificial intelligence is now verging on artificial life. Digitized creatures that breed on computer screens have been
hailed as virtually alive. Researchers aren’t stopping at the level of software, either.

“I’ve seen robotic insects crawling on the floor that are sufficiently complex that I would see no difference between treading on them versus treading on an ant,” says Clark.

Could man ever fashion a robot like the character Data in the Star Trek television series—both computerized and humanoid? “It’s way beyond our current technology, but it will probably happen,” Clark says.

The Promise of Pure Inquiry

So much for machines. What does cognitive neuroscience make of man? While Descartes and earlier philosophers viewed the human mind as distinctly separate from the body, some brain mappers are apt to point to their PET images as proof that the mind is a mere collection of brain functions. Consciousness appears fragmented, even illusionary, now that modern mind readers have discovered that different parts of the brain receive and process information in parallel fashion—one center, say, for the color of a tennis ball, another for its shape, another for its speed. The thinking, acting, unified “I” of self, as one argument goes, is a myth.

“There’s a camp called ‘eliminative materialists’ who view our new knowledge of the brain as replacing—or eliminating—everything else we knew about human cognition from a psychological or philosophical point of view,” says P. William Bechtel, professor of philosophy in the PNP program. “They ask, ‘Does it make sense to talk about people having beliefs, desires, goals, and doubts?’ They reject those idioms because they don’t refer to anything observable in the world. I don’t agree with them. I think neuroscience will enrich our understanding of humanity, but not eliminate other theoretical frameworks.”

Students and professors in the University’s PNP program attempt to translate that richer understanding into practical applications for society. Petersen and Balota, for example, envision their research leading to new ways to rehabilitate people with Alzheimer’s disease, or those having suffered a stroke or a head injury. John T. Bruer, adjunct professor of philosophy and president of the James S. McDonnell Foundation, says that what we know about mental processes holds the key to how children best learn their ABCs. Bruer made this point in a recent book, Schools for Thought: A Science of Learning in the Classroom, which received the American Federation of Teachers QuEST Award in 1993 and the Grawemeyer Award in Education in 1994.

“Teaching methods based on cognitive research could be the educational equivalent of the polio vaccine and penicillin,” says Bruer, who cofounded the PNP program along with Roger F. Gibson, philosophy department chair.

The PNP program itself represents a new vision of interdisciplinary education at the University. Like neurons making new connections with each other, students and teachers from once-insular departments are bridging barriers to learning. “I can imagine that in the future, universities will be built on programs instead of departments,” says Finger. “Some of the best contributions come when people see things in a new perspective.”

Robert Lowes is a free-lance writer who lives in St. Louis.
Edwin G. Krebs was a student of biochemists Carl and Gerty Cori when they received the Nobel Prize in 1947. Forty-seven years later, Krebs learned how they felt.

By Jim Russell

Bedlam is the word he uses to describe that day. Edwin Krebs, M.D. '43, awoke in his two-story Seattle home on the morning of October 12, 1992, feeling refreshed. He had slept longer than usual; his wife was away with their two daughters on a once-in-a-lifetime trip to Europe. The 74-year-old biochemist, whose hearing is impaired, had removed his hearing aids the night before. When he put them back on again as he went downstairs, he suddenly heard bells—telephone and doorbell were battling for his attention.
The doorbell won. Krebs opened the front door and beheld both familiar and strange faces—reporters, photographers, students, and his secretary. A reporter in the crowd tried to explain why they were there, but Krebs was skeptical as he ushered them inside and answered the relentless phone. Only then did the fantastic scene fall into place. Krebs, with his biochemistry research partner, Edmond H. Fischer, had won the Nobel Prize in physiology or medicine.

"It was a moment I wish I could relive," says Krebs, whose work with Fischer on glycogen metabolism in the mid-1950s launched a whole field in biochemical research that still thrives today. Although his having worked in the laboratory of mentors Carl and Gerty Cori had given him an appreciation of the level of achievement associated with the Nobel Prize, he never thought of that as a goal. However, he is the first to admit that in the beginning, nothing about his life’s work seemed very certain.

"I was 15 when my father, a Presbyterian minister, died, and my mother moved the family from Greenville, Illinois, to Urbana," says Krebs. "She did that because it was a university town, and my two older brothers were in school there. I also went on through the [University of Illinois] there, but I was really undecided about a career. My older brothers were both chemists, so chemistry seemed one possibility. "But the alternative career that I'd thought about was being a physician. These two careers were not at all incompatible—many pre-med students majored in chemistry. I leaned toward going to medical school, but this hinged upon whether I could get financial help. I wrote to various medical schools across the country, but very, very few offered the possibility of any financial help for persons in their first year."

Krebs continued looking and found that Washington University did have some scholarships for entering students. Plus, he says, it didn’t hurt that at that time the dean of the School of Medicine was Philip Shaffer, a biochemist known to his teachers in chemistry at the University of Illinois. "I went to St. Louis from Urbana for an interview [with Shaffer], and I left feeling pretty good about the prospects," he says with a laugh. "Shaffer was very research-oriented, and he painted a picture of medical school as being open-ended insofar as the choice of a career is concerned."

Krebs started medical school in 1940 and graduated in 1943. He chose to stay in St. Louis for his internship at Barnes Hospital. In its own way, it was the choice of a lifetime. "I met a student nurse by the name of Virginia (Deedy) Frech (B.S.N. '47). We married in 1945," Krebs says of his wife of 50 years.

Nuptial bliss notwithstanding, Krebs was in the Naval Reserve and was called up 18 months into his residency. He served in the Pacific at the end of World War II, just after peace was declared. After a short stint, he was able to return to St. Louis, eager to complete his residency in internal medicine. "But I had gone on active duty late in the war, and other trainees who had gone into the war earlier had priority, so I would have had to wait my turn," says Krebs. "At that time I was thinking of an academic career in internal medicine, so one possibility was to study a basic medical science, such as biochemistry. Then after two years I could continue my residency."

In this connection, he was strongly advised to talk to Carl and Gerty Cori, whose laboratory was already renowned for its spirit of mentorship. "Carl Cori accepted me," Krebs says matter-of-factly, but that acceptance in itself was a mark of honor. From 1946 to 1948, Krebs was a postdoctoral fellow in the Cori laboratory, researching and learning during the labora-
tory's golden age: In 1947 the Coris shared the Nobel Prize with Bernardo Houssay for research on the catalytic conversion of glycogen (the main form of carbohydrate storage in animals). Krebs says that by the time he was ready to move on in his academic career, he felt fortunate to have worked in the Cori laboratory.

"When the two years in the Coris' laboratory were over, I had a difficult decision to make," says Krebs. "Should I now return to medicine, or should I perhaps continue as a biochemist? On the one hand, I would have to give up the laboratory, but on the other I would have to give up the idea of having patients. So, in 1948, with some trepidation, I accepted my first job in biochemistry [at the University of Washington, in Seattle], making sure that I kept my medical licensure in place. In the event that I didn't make the grade as a biochemist, I could fall back on my 'alternative career' [as a physician]—which I wouldn't have minded," Krebs says.

But Krebs the biochemist did make the grade. In fact, after about five years of diligent work, he seized the opportunity to collaborate with a newcomer to the University of Washington—Swiss biochemist Edmond H. Fischer, who had also worked in a field not too remote from that of the Coris.

"Ed Fischer had done his thesis work on the study of enzymes in plant starch metabolism, and my training with the Coris involved glycogen [animal starch] metabolism in animals," says Krebs. "Both areas are closely related, so we thought it would be interesting to collaborate on a little research problem that had occurred to us. We started working together on this problem in 1954 and 1955, and it went well."

The "little problem" that Krebs and Fischer solved turned out to be nothing less than the key to an almost universal regulatory mechanism that involves innumerable cellular processes. The process regulates enzymes and affects cell growth and differentiation. "We basically discovered a field called reversible protein phosphorylation," he says. "The problem itself was related to the work of the Coris, and I was hesitant to pick up something, even five years after leaving their laboratory, that was close to their area of interest."

But the Coris had temporarily dropped the line of inquiry that Krebs and Fischer chose to pick up, and the pursuit became theirs alone—at least for a time. After their initial discovery, intrigued biochemists worldwide paid homage to Krebs and Fischer by complementing their research and building on their crucial foundation for the next 40-plus years. Thus was the state of biochemistry when, early one October morning in 1992, the Nobel committee also recognized Krebs and Fischer's achievement in no uncertain terms.

Since that morning, Krebs has experienced an increase in travel and speaking engagements while trying to maintain a quieter existence as an emeritus professor and member of the pharmacology and biochemistry departments at the University of Washington. Faithful to his field, he is always on the lookout for others who might, like himself, be budding biochemists in need of a little encouragement.

"Your former chancellor [current Board of Trustees Chair William H. Danforth] was also a student in the Cori laboratory," Krebs says. "I was just kidding, but after I knew that he was retiring as chancellor, I recommended that he get back into biochemistry—as a biochemist, he did some really nice work in the 1960s!"

Jim Russell is assistant editor of Washington University Magazine and Alumni News.
Soon to be a major motion picture (really!), the sleuthing of U.S. Attorney Steven Miller has cracked some of the biggest murder cases around.

Law and high drama: only on television? Not for attorney Steven A. Miller, A.B.'75, J.D.'79. Miller has seen—and created—plenty of excitement and suspense for the past 10 years as chief of the special prosecutions section of the criminal division of the U.S. attorney's office, Northern District of Illinois. In cases packed with memorable characters, concealed identities, farce, tragedy, and serpentine plots, his trademark versatility and commanding courtroom performance have brought him near-legendary status.

Miller considers himself fortunate to have nabbed, early on, the highly sought-after position of assistant U.S. attorney. A 1978 summer internship in the Chicago U.S. attorney's office served as his entree after law school. His first years on the job included civil litigation of employment discrimination and wrongful death cases.

"The attorney's office is a great place for those who care deeply about the issues of justice," Miller says, "because they're given an opportunity to exercise discretion that few in society ever have."

Miller enjoys reflecting on the office for good reason: He is concluding his 17 years as assistant U.S. attorney in the white-hot light of success. Following a brief hiatus, Miller will become a partner in the law firm Sachoff and Weaver and will litigate complex civil and criminal cases.

Notable for Miller was his role in the Glen Ellyn Savings and Loan case, decided in October 1990. His investigation resulted in the RICO (Racketeering Influenced and Corrupt Organization Act) prosecution and conviction of eight defendants involved in a multi-state, $30 million loan fraud scheme. As lead counsel, Miller brought down the roof on three savings-and-loan CEOs and owners whose crimes collapsed their institutions. The case marked the most complex S & L collapse ever prosecuted in Illinois.

But the work that stretched his intellect and drew him in was a trio of what had been labeled "unsolved" homicides.
The Case of the Missing Candy Heiress

The year Miller entered law school—1977—news headlines announced the disappearance in Glenview, Illinois, an affluent Chicago suburb, of Helen Vorhees Brach, the wealthy widow of candy tycoon Frank Brach.

“The Chicago media has been obsessed with Helen Brach ever since,” says Miller. “It’s been the unsolved crime, the talk of the town for 18 years.”

In the absence of a body, a murder weapon, and sufficient evidence to indict a perpetrator, however, the case languished in a state police officer’s file for 12 years.

In 1990, the case suddenly surfaced during a luncheon conversation in Miller’s office. “It was my suggestion,” Miller says. “One of the agents I was working with on a former case mentioned that a man named Richard Bailey, whom I didn’t know at the time, had defrauded a woman of $50,000. He asked me if I wanted to work on the case. When I requested additional information, he said rumor had it that Bailey had been defrauding women over the years and that he had had some relations with Helen Brach.”

Miller’s imagination seized on the Bailey-Brach connection, and federal investigators turned the talk of the town into action. Miller says he too became obsessed with the case, and began to explore it from a new angle. “Most homicides are investigated by local police and detectives who are trained to look for certain kinds of evidence,” Miller explains. “It all boils down to eyewitnesses, forensics, and admissions by defendant.

“What they typically do not get a grip on,” Miller says, “is the financial picture swirling around the decedent’s life at the time of his demise. I look for a financial nexus to a murder.”

Miller has taken three such cases to the U.S. attorney’s office and reconstructed the financial context of the deaths, investigating them as traditional fraud cases. “I’ve learned that as you’re solving the fraud, the murder evidence inevitably falls into place,” he says.

At the School of Law, Miller developed a creative approach to crime solving that earned him the name Sherlock among his peers.

adding that although racketeering is a federal crime, murder is not. Murder can, however, be charged as part of a racketeering scheme.

Sure enough, the pieces of the Brach case began to snap into place. The eccentric, occult-worshipping Brach, said to be worth $20 million at the time of her disappearance, was one of a bevy of well-to-do women whom Bailey courted, posing as a country squire. He won their affection and then swindled them, selling them horses priced much higher than their worth. Upon realizing Bailey’s modus operandi, the women filed lawsuits. Helen Brach reportedly caught on too, and planned to inform authorities. Bailey found out and decided to have her silenced.

The dozens of claims launched a massive federal investigation led by Miller and his group that shed light on the Brach mystery and unmasked a scandal in the equestrian world.

The revelations amazed his team, Miller says. The five-year investigative journey led to the RICO prosecution of Bailey for fraud and arranging the murder of Helen Brach. Incredibly, it also led to the perpetrator of a 1954 unsolved triple homicide of three children. In addition, approximately 20 other people were charged with killing show horses for insurance proceeds.

To date, 22 of 23 defendants have been convicted in the horse scams. Bailey, convicted on 16 counts of racketeering and fraud, is serving a life sentence. Kenneth Hanson recently was sentenced to 200 years in prison for the triple homicide in 1954. On September 21, following a two-week jury trial, Miller convicted world-famous equestrian George Lindemann, Jr., heir to a $750 million fortune, for killing a horse in order to collect a $250,000 insurance policy. Miller’s opponent was famous New York trial lawyer Jay Goldberg, who counts among his clients Donald Trump and Carl Icahn.

The Case of the Man Who Bombed His Business Partner

Miller always preaches to those he supervises that “oak trees start with acorns. If you’re creative and can manipulate the perspective with which you look at things, it can assume a completely different shape by the time it leaves your office,” he says.

The attorney is serving up one of his favorite topics—creative
Miller's probe into Maher's autopsy report revealed serious mistakes by the medical examiner. Miller proved that York, an ex-policeman, had beaten Maher unconscious and then rigged the bomb to collect insurance money. "What made the trial increasingly interesting was that two sets of children got involved," adds Miller. "A tug-of-war ensued between allegiances to York by his two children and evolving testimony that pointed to York as his wife's killer. It turned into a horrible dilemma for these kids. Elements of the case triggered my highest emotions. It remains the singular professional experience of my life."

**The Case of the 14-Bullet Suicide**

In a different homicide case that occurred in 1982 and was brought to federal court in 1989, millionaire Werner Hartmann was shot several times as he stepped out of the shower in his Chicago home. Miller once again zeroed in on the financial context. Specifically, he found that Debra Hartmann, formerly a nightclub dancer with a penchant for cocaine, had forged insurance papers reinstating a lapsed life insurance policy on her husband. "He was shot up and down his body with 14 bullets," Miller says of the victim. "Hours later, Debra Hartmann tells the police department that her husband committed suicide."

Hartmann, her boyfriend, and an acquaintance were convicted of arranging the death in order to collect insurance money.

Clearly, the Brach case tops the publicity list. (Miller reminds all that it still is not closed: "We've never recovered a body . . . I'm not at liberty to say much more.") Newspapers worldwide have featured Brach and the horse-insurance scandals, and magazines have covered Miller's work as well. When *Vanity Fair* ran a story titled "The Heiress and the Horse Murders" in its January 1994 issue, the article caught the eyes of the Hollywood set. Director Oliver Stone has purchased the movie rights to the story and has attended courtroom proceedings. Various books about the case are also in the works.

As Stone and associates reportedly scout locations in the Chicago area, the movie's outlines are taking shape. Daily Variety reports that the protagonist in the movie will be a charismatic prosecutor patterned after Miller. The story line will resemble the Jack Nicholson–Faye Dunaway film, *Chinatown*, in the sense that a homicide investigation will take a wild turn to uncover an industry's widening rings of corruption.

If Miller can picture himself in the glow of theater lights, will he vie for a piece of the celluloid? Perhaps a walk-on as an F.B.I. agent or a stableman? He laughs at the prospect: "It will be interesting enough to buy my popcorn and see what they'll do to me."

Cynthia Georges is a St. Louis writer and former editor of this magazine.
THE FOOD TENT
Buranga Field Hospital, Rwanda, 1994

"The first baby I picked up to feed had shriveled skin from dehydration and was afflicted with . . . Shigella [bacillary dysentery]. Within minutes of trying to feed the infant water mixed with rehydration salts through a needleless syringe, my clothes were soiled. The doctors pulled me aside and briefed me on safety precautions and the importance of wearing surgical gloves."

Courteney Coolidge, B.F.A. ’91, wrote those words two summers ago after working in an orphanage-turned-hospital in Goma, Zaire, where she had been sent to photograph a medical team. A fine arts photographer when she is at home in Seattle, Coolidge had little time at the orphanage for pictures.
That experience in Goma was part of a larger unpaid effort Coolidge undertook in August 1994 for the relief organization AmeriCares. The agency needed a photographer in a field hospital for refugees in Buranga, Rwanda. In April 1994, four months before Coolidge’s arrival in Africa, the death of Rwanda’s president in a plane crash had unleashed massive genocidal killing that caused millions to flee. Coolidge, who had exhibited photographs of Kenya, India, China, and Pakistan in Seattle’s leading galleries, left on a cargo plane for Rwanda on a day’s notice.

When she arrived, she was sent on a brief side trip to Goma, the place journalists were calling Hell on Earth. The tiny orphanage/hospital that housed the staff she was to photograph once held 20; inside, Coolidge found 100 desperately ill children. “Five infants in the intensive care room needed someone to sit and feed them water every five minutes or they might die,” she wrote. “I volunteered.”

The time in Zaire and Rwanda, Coolidge says, is changing her work: She now has a humanitarian agenda. “I still use a fine arts point of view, but whatever I photograph will be a result of melding those two approaches,” she says.

An implicit regard for other people and other ways is at the heart of Coolidge’s work. “I’m a student when I go to other countries,” she says. “I think that’s the only way to understand the people in a respectful, cultural sense. I try to show the strengths in a culture, to draw viewers into a different world—and to some understanding.”

Coolidge first went abroad during her junior year at Washington U., when she completed a six-month academic program in Kenya. Now, she says, “above all, I want to do work that makes a difference.”

—Judy H. Watts
RELIGIOUS OFFERINGS
Karsha Monastery,
North Indian Himalaya,
1993

PATIENT AND DOCTOR
Buranga Field Hospital, Rwanda, 1994

FATHER AND CHILD
Kashgar, China, 1993
Alumni Board of Governors:

**New Chair Values Volunteer Service**

For Alumni Board of Governors chair Barbara A. Feiner, M.B.A. '83, it's all about giving back.

A casually compiled list of her volunteer activities at Washington University takes up two closely typewritten pages. Somebody else had to gather the items on the list—Feiner doesn't keep track of such things; she just does what's asked of her—and then some!

"I've done well by the [John M. Olin] School of Business," she explains. "I really liked it, and I've always felt I wanted to give back."

Right now Feiner, who is president of apparel ventures for St. Louis-based retailer Edison Brothers Stores Inc., is chair of the Alumni Board of Governors, a job that includes sitting on the University Board of Trustees. "It's given me a tremendous overview of just what an outstanding school Washington University is," she says.

Feiner's first volunteer job, taken on when the ink on her M.B.A. was hardly dry and she was starting out at Edison Brothers, was less lofty—member of the Business Alumni Association Executive Board in charge of phonathons. "The newest member is always the one who gets the phonathons," she says with a laugh.

"From there I had a variety of volunteer jobs. But, you know, the staff of the alumni office makes it so easy; they are absolutely wonderful!"

The unswerving professionalism of the alumni office staff notwithstanding, since 1983 Feiner has volunteered to do everything from giving talks during the business school's student orientation to helping judge the School's Olin Cup competition to serving on the selection committee for the School's distinguished alumni awards. She's headed the executive committee of the business school's alumni association, worked on reunion and reunion class gift committees, and been vice chair for programs and executive vice chair of the Alumni Board of Governors.

She's even emceed a lively debate on the state of the nation between former Senator Thomas F. Eagleton, University Professor of Public Affairs, and economist Murray L. Weidenbaum, Edward Mallinckrodt Distinguished University Professor and chair of the Center for the Study of American Business.

She's also a member of the William Greenleaf Eliot Society.

While rising in the ranks of alumni volunteers, Feiner was also rising through the ranks at Edison Brothers. She moved from corporate development associate—a job, she is proud to say, that she got through the School of Business placement office—through several high-level jobs, including president of 5-7-9 Shops, to her current position.

Contrary to conventional wisdom, "the alumni-University connection is not all fund raising and social events," though both are important to the relationship.

Barbara A. Feiner

In spite of her obvious success, Feiner didn't start out with a business career in mind, even though the family business—truck parts supplier—was often dinner table conversation at home. What she wanted to do was teach in elementary school.

After 10 years of teaching special ed, which she loved, Feiner knew it was time to obtain an advanced degree if she wanted to get ahead. She was also intrigued by what she continued to hear about the business world from her father and brothers but especially what she heard about Washington University's business school from her sister-in-law, Pamela Rice Boggeman, M.B.A. '77 (now a Boatmen's National Bank VP). The more Feiner thought about it, the more seriously she began to consider a career change.

She says, "I'd tested out of math in college, so, just to see if I could still do it, I took a couple of accounting courses at a community college." Her math skills turned out to be alive and well.

She took her GMATs in the summer of 1981 and was admitted to the School of Business just one week before the fall semester began. "From the beginning, I loved it," she says. "It was just where I wanted to be. We had a great class—all of people with different backgrounds."

Feiner's 1983 M.B.A. class and its sister B.S.B.A. class were the first in the University to organize graduating class gift programs. Feiner feels it's especially important to involve people while they are still in school—graduate and professional students as well as undergraduates—in the rewarding relationship that can exist between alumni and the University.

Of course, there's a very practical bottom line here, Feiner reminds alumni: "As the school increases in quality, reputation, and visibility, so does the value of your degree." She gives her own alma mater, the School of Business, as an example.

"Its national status has changed dramatically in the past decade," Feiner says. Now the name of the John M. Olin School of Business is instantly recognized.
But she says that contrary to conventional wisdom, “the alumni-University connection is not all fund raising and social events,” though both are important to the relationship.

“Take the Alumni and Parents Admission Program, for example,” she says. “Alumni put their talents for discernment to use in a truly remarkable and useful way for the University and, in the end, for themselves.”

In APAP, now entering its fourth year, Washington alumni—both here and abroad—interview prospective undergraduate students in their region and help them get a better feel for what the University is like while they alert the Office of Undergraduate Admission to particularly promising candidates. The program has met with enthusiastic volunteer response and currently has nearly 50 committees in the United States, Europe, and the Far East. “This is a program the top schools have had for years,” Feiner says, “and it is really terrific to see it succeeding so well at Washington.”

Not all volunteer jobs at Washington University come with a title. Several years ago, the business school’s then-dean, Robert L. Virgil, asked Feiner to speak one Saturday morning to a group of people who were considering coming to the John M. Olin School of Business. She says, “He said, ‘Just give them a little background on why you made the decision to come to Washington U., and what it’s done for you.’ I did; then, a year or two later, a woman came up to me at a business school function, and she said, ‘You’re the reason I’m here.’ She was one of the people in that Saturday morning group I’d spoken to.’”

Feiner adds, “That made me feel really good.”

Now, who says volunteers work for nothing?

—M.M. Costantin

Our apologies: The name of Harry T. “Buzzie” Schukar, B.S.B.A. ’55, was misspelled in a photo caption in the 1994–95 Eliot Society Honor Roll. We regret the error.

Alumni Board of Governors 1995–96 Executive Committee

The Alumni Board of Governors serves as a liaison between the University administration; the Board of Trustees; and the alumni constituency, which includes all graduates, former students, and holders of honorary degrees.

By virtue of their offices, the chair and executive vice chair of the Alumni Board of Governors serve on the Board of Trustees as the Alumni Board of Governors’ representatives.

**Mrs. Barbara A. Feiner**
M.B.A. ’83  Chair

**Mr. David L. Shores**
B.S.B.A. ’67  Executive Vice Chair

**Mr. Ned O. Lemkemeier**
J.D. ’62  Vice Chair, Alumni Annual Fund

**Mr. Jerome F. Brasch**
B.S.Ch.E. ’44, M.S.Ch.E. ’47  Vice Chair, Planned Giving

**Mr. Robert J. Messey**
A.B. ’68  Vice Chair, Alumni Programs

**Mr. Robert O. Lesley**
J.D. ’82  Vice Chair, Alumni Clubs

**Mrs. Sarah S. Wallace**
A.B. ’59  Vice Chair, Alumni Activities

**Ms. Melissa A. Murphy**
A.B. ’89  Vice Chair, Student Alumni Relations

**Mr. Jerome J. Sincoff**
B.Arch. ’56  Immediate Past Chair

Reunion ’96 Kick-Off: Nearly 200 volunteers met on the Hilltop September 15 and 16 to plan Reunion ’96. Among the 65th Reunion Class of 1931 strategists assembled before an Alumni House dinner hosted by Chancellor Mark S. Wrighton were (l. to r.) Frederick Roever, class gift chair; Florence Austin Bush, Reunion Committee member; and executive chairs Richard and Betty Sutter. Reunion ’96 takes place on campus on May 17 and 18 for members of the 5th through the 65th reunion classes. If you are interested in assisting your undergraduate reunion class, call the Office of Alumni Relations at 1-800-867-ALUM.
Jill and Martin Sneider: Dining with Edith Wharton

Last October, adjunct professor Martin Sneider, A.B. ’64, had a week off from the casebook course in retail management he’s taught at the John M. Olin School of Business each fall since 1992.

Late that week, he had a meeting at the Harvard Business School, where he is a member of the Alumni Board of Directors, but during his first few days off, he and his wife, Jill Frank Sneider, A.B. ’66, A.M. ’85, spent some time in the Berkshires of western Massachusetts visiting an old friend. Or, at least, visiting the beautiful house of an old “friend”—early 20th-century American writer Edith Wharton, whose shorter works constitute the dissertation topic Jill’s researching for her Ph.D. in American lit at Washington U.

The Wharton trip was one that Jill had wanted to make for some time, and, she says, “Martin went ahead, made reservations, and surprised me with it.”

The Sneiders foresee many such dual-purpose excursions in coming years. Martin recently retired, just about on schedule, as president of Edison Brothers Stores, Inc., the St. Louis–based shoe and clothing retailer.

His teammate at Edison Brothers, and now fellow retiree, was former University trustee Andrew Newman, Edison’s CEO, grandson of one of its founders, and a Harvard classmate of Martin’s. At the time the two men, each in his early 40s, took over Edison’s helm in 1987, they said in response to a reporter’s question that they didn’t see themselves staying in the jobs for as long as 10 years. Managers should change with some frequency, they said, and training a senior management team as their successors was an important part of their agenda.

(Last spring, Martin and Andy welcomed Alan Miller, M.B.A. ’77, who started at Edison Brothers after graduation from the School of Business, as Edison’s new chief.)

In 1993, Martin’s and Andy’s 25th MBA reunion proved to be a turning point in their lives. Its major theme encompassed second careers, life changes, and, perhaps most important, the choices one has in life. Martin says: “It confirmed our long-held belief that we both wanted to have another phase in our lives that didn’t match the career phase. But it didn’t match the retirement phase, either, and that’s where we are today.”

Which is just fine with Jill. She says, “My work on my Ph.D. dovetails well with what is going on in Martin’s life right now.” A consul-
The Sneiders’ academic enterprises and other campus activities make them frequent campus visitors.

tant as well as a teacher and the busy chair of the St. Louis Children’s Hospital Board of Trustees, Martin recently worked on a consulting project in Paris. Jill came along because, yes, Mrs. Wharton had also had a house in Paris.

Both Wharton trips with Jill represent what Martin calls a “kind of microcosm of how we’d like to see things work.”

The Sneider children, Mark, 25, and Julie, 21, are busy with their own lives these days. Mark, a recent Harvard grad, is in business in St. Louis, and Julie is a junior at Northwestern.

But they were still schoolchildren when Jill went back to Washington U. She’d earlier joined a book discussion club, but it wasn’t quite what she wanted. Martin encouraged her return to school, and she praises Washington University for its flexibility in dealing with nontraditional graduate students like her.

Martin says he found it invigorating to come home from a long day at the office to dinner table conversation about the writers Jill was studying, including EW, even when the talk was spiked with the children’s own, largely autobiographical, comments. Jill says that dining with Edith Wharton is a bit easier now that Mark and Julie are grown, but adds, “Being part of their lives is very important to us.”

Of her and Martin’s future, she says: “I think that it will be interesting to see what happens in the next 10 years. Certain things are more settled than others, and I think part of the fun is to see where the unsettled issues take us.”

It isn’t the first time Jill has been part of that kind of fun. She was a high school senior from Highland Park, Illinois, visiting St. Louis when, straight ahead on Lindell Boulevard, she saw Washington University’s Brokings Hall, its flags snapping in the spring breeze.

It was love at first sight. “But I never dreamed St. Louis would become my home,” she says.

That was before, as a Washington freshman, she met Martin, an interesting older man—a WU junior and fraternity brother of her date.

“He was the funniest, smartest person I had ever met,” Jill says. “I thought that was a good combination, and I still feel that way.”

Ask Martin, who has served the University in a variety of high-profile volunteer positions—including 1993–94 chair of the Alumni Board of Governors and member of the Arts and Sciences National Council, of the Board of Trustees, and of the recent search committee that brought Chancellor Mark S. Wrighton to campus—what’s the greatest benefit he’s gained from Washington University, and he answers without hesitation: “I met Jill.”

(Second most important? His European history major, which has served him well, he says, giving him useful insights into all manner of business situations.)

Martin and Jill were married shortly after Jill’s graduation from Washington U. and Martin’s from the University of Missouri School of Journalism with a master’s degree in advertising. Then they were off to Harvard for Martin’s M.B.A.

Jill thinks it has been a tremendous help to their long and happy marriage that very early she gained what one might call an intimate insight into her husband’s work—among other things, she typed his papers in the good old days of gritty erasers and carbon paper.

Nowadays the Sneiders—who are members of the Danforth Circle, the Eliot Society’s newest giving level, named for another pair of “retirees”—keep house within view of the dorm on the South 40 where Jill lived when Martin picked her up for their first date. This, of course, makes their home Reunion Central during certain years, but you’ll hear no complaints from them.

Their academic enterprises and other campus activities—Jill, for example, is a member of the Washington University Women’s Society executive board—make them frequent Hilltop visitors. An experienced college-level teacher herself, Jill says approvingly that Martin is meticulous in preparing for his classes, even when teaching cases he’s done before. “That’s a good teacher,” a visitor comments. “That’s a passion,” Martin says. Jill the scholar smiles with pleasure.

Little wonder that Mrs. Wharton continues to dine with the Sneiders as they embark on their new life.
1920s

Genevieve Sarilda McNelis Maxwell, LA 28, lives in Bronxville, N.Y., and reports that since 1993, the American Museum of Natural History in New York City has invited her to visit the island on which she was born, which since 1948 has been the exclusive nesting place for the common tern and other birds. At the time she wrote, she planned to visit the island and meet with the tern project director and other ornithologists. She says “the accommodations include sleeping bags and canned food, which I thrive on even at 88 years”! She encourages all of her classmates from the 1920s to send in their class notes about their recent activities and their memories of Washington University.

1940s

Doris Apple Graber, LA 41, GR 42, is professor of political science at the University of Illinois at Chicago and editor-in-chief of the Journal of Political Communication. Doris is married to T.M. Gruber, who is editor-in-chief of The American Journal of Orthodontics and Dentofacial Orthopedies and clinical professor of orthodontics at the University of Illinois at Chicago. They report that there are 16 college degrees among their five children, and that they both are “extremely active in their professions and have no intentions of retiring!”

Eva Carolyn Miller Kirkpatrick, LA 47, was elected to the Jefferson College Board of Trustees for a six-year term.

Walter Barker, FA 48, exhibited a retrospective of his work covering 44 years of painting, including a piece from the Washington University Gallery of Art collection.

1950s

Diana Dowell (Latham) Menos, LA 50, retired from teaching after 29 years in Illinois, 27 of them at Erie High School. Diuma says the 45th class reunion at Washington U. was great, and she hopes to renew even more friendships at the next reunion.

Virginia S. Brown, GR 52, was elected chair of the board of trustees of Logan College of Chiropractic in Chesterfield, Mo.

David Norton, EN 52, GR 63, is a philosophy professor at the University of Delaware. He was asked by the U.S. Department of the Interior to analyze its report of the 1993 Glenwood Springs fire in Colorado. David was chosen because of his experiences as a member of the U.S. Forest Service’s smoke jumpers, an elite group of firefighters who parachute to fires in remote areas.

James Utz, BU 54, and Rita Bourg Utz, LA 53, are residents of Lafayette, Calif. James is president of the Pleasant Hill Foundation, a private foundation in northern California, and the foundation just concluded a $3.5 million grant project to renovate a children’s playground. Rita is president of the local tennis club, of which they have been members for 15 years. Jim’s father, Irv Utz, was inducted into the Washington U. Sports Hall of Fame in 1993.

Kenneth J. Lach, EN 56, GB 62, GB 69, was awarded a Cole- man Foundation Entrepreneurship Education and Awareness grant for 1994-95. He is a professor of management and marketing at the University of New Orleans and the director of the entrepreneurship program.

Walter J. Holmes, AR 59, was elected president of the Construction Specifications Institute East Bay/Oakland Chapter. Wally is the founding principal of Architectural Arts Unlimited, a commercial and residential architectural and graphics firm. Wally was a student at the University of New Orleans and the director of the entrepreneurship program.

Walter Barker, FA 48, exhibited a retrospective of his work covering 44 years of painting, including a piece from the Washington University Gallery of Art collection.

1960s

Glen E. Stuckel, EN 60, a builder and remodeler based in Louisville, Ky., in competition with remodelers from seven southeastern states, won two prestigious Chrysalis Awards from Southern Home Builder and Remodeler magazine.

Stan Egbert, BU 61, was honored with a Golden Rule Award for volunteerism by J.C. Penney and Metro United Way’s Volunteer Connection. Recognizing his leadership in and contribution efforts for the Boy Scouts of America. He is a scoutmaster of Troop 30 in Louisville, Ky.

Chia-Wei Woo, GR 61, GR 66, received an honorary doctor of letters degree from Georgetown College in recognition of his service to science, education, and international understanding.

Arnold B. Zetcher, BU 62, was named an industry award winner in the retail apparel and accessories category of Financial World magazine’s “1995 CEO of the Year” competition. He is president and CEO of Talbots, a specialty retailer and catalogues’ classic apparel.

Joan L. Detillon, BU 63, LW 66, was selected by Washington University School of Law as an honorary initiate to the Order of the Coif (a national society) for her achievement since graduation from law school.

Marlene Jahss LeGates, LA 64, teaches women’s studies at the University of British Columbia and history and women’s studies at Capilano College. Her book Making Waves: A History of Feminism in Western Canada will be published in January 1996 by Copp Clark, Longman.

Norman Simms, GR 64, GR 69, has a book, My Cow Comes to Hannah My: European Explorers, Travellers and Novelist Constructing Testimonial Selves and Imagining the Unthinkable in Lands and Islands Beyond the Sea, from Christopher Columbus to Alexander von Humboldt, published by Pace University Press. He is a senior lecturer at the University of Waikato, New Zealand.

David I. Steinberg, EN 64, SI 66, SI 68, is associate dean of the college of arts and sciences at Southern Illinois University at Edwardsville.

Carl E. Lamp, FA 65, was named associate creative director in the St. Charles, Mo., office of McNabb, DeSoto, Satter and Co., an advertising and public relations firm.

Hazel M. Sprandel, GR 65, GR 69, has had a second edition of her book, The Psychosocial Use and Interpretation of the Wesler Adult Intelligence Scale—Revised, published by Charles C. Thomas. Before her retirement in 1984, Sprandel worked at Washington University in student services and taught courses in the education department.

Walter E. Massey, GR 66, GR 66, is the new president of Morehouse College.

Diana Troik, GR 66, executive vice president of Management Systems Consultants Corp., was among 54 selected Southern California delegates attending the White House Conference on Small Business in Washington, D.C.

Jan Degenstein, AR 67, principal of Jan Degenstein Architect-Planners, received the 1995 County Executive Supporters of the Arts Award from the Arts Council of Rockland County, N.Y. He and his family are residents of South Nyack, N.Y.

Richard Lischer, GR 67, is a professor of homiletics at Duke Divinity School and has co-authored the Homiletic Encyclopedia of Preaching, published by Westminster John Knox Press. He is also on the advisory boards of the journals Interpretation and World.

Maurice I. Mendel, GR 67, was named founding dean of the School of Audiology and Speech-Language Pathology at the University of Memphis in Tennessee.

Alumni Codes

AR Architecture
BU Business
DE Dentistry
EN Engineering
FA Fine Arts
GA Graduate Architecture
GB Graduate Business
GD Graduate Dentistry
GF Graduate Fine Arts
GL Graduate Law
GM Graduate Medical
GN Graduate Nursing
GR Graduate Arts & Sciences
HA Health Care Administration
HS House Staff
LA Arts & Sciences
LW Law
MD Medicine
MT Manual Training
NU Nursing
OT Occupational Therapy
PT Physical Therapy
SI Sever Institute
SU Sever Institute
TD Undergraduate
SW Social Work
TI Technology & Information Management
UC University College
Ernest Smith, GF 67, was awarded the Order of Australia for services to art administration and development; he lives in Beverford-Victoria, Australia.

Marie Lerner-Sexton, LA 68, conducted a European tour of the Northeast Kansas Choral in June. The high school singers performed as the guest choir at the Dutch National Choral Festival as well as in Belgium and London. Marie teaches at Olathe South High School.

1970s

Carol Windland, LA 70, UC 74, GB 88, represented Washington University at the April 29 inaugural ceremony of McKendree College's 32nd president, James M. Dennis.

David Glatstein, BU 71, GB 73, was named president and director of Southwest Securities Group and president of Southwest Securities Group Inc., the company's principal subsidiary.

Danny E. Lazares, BU 71, is a principal of the law firm of Felker, Lazares, and Johnson in Tacoma, Wash. Danny resides in Gig Harbor with his wife, Theresa, and his three children, Jamison, Alex, and Connor.

Jeffrey G. Fihn, BU 72, is a senior litigation claims adjuster with Amerisure Insurance Co. and lives in Fishers, Ind.

Jill Turner Schechter, LA 72, received a master's degree in social work from Loyola University and is providing residential case management and outpatient clinical therapy at Turning Point Behavioral Health Care Center in Skokie, Ill. She and her daughters Haley and Emily are residents of Deerfield, Ill.

Marie Lerner-Sexton, LA 68, GC 73, received a master of divinity degree at the School of Medicine. Debra says she is trying to survive with the boys after a relative vacation as director of the high-risk infant intervention services to attend and administrative and development; he lives in Beverford-Victoria, Australia.

Midwest Meets East

When Yolanda Gray, A.B. '85, M.A. '90, told her parents that she had decided to major in Japanese at Washington University in St. Louis, they were a little skeptical. "They asked me what I was going to do with a Japanese major," says Gray. "I said, 'I don't know, but I'll figure it out!'"

What Gray has devised is a highly innovative career path. In 1987 she became assistant to the president of Diamond Star Motors Company (now Mitsubishi Motor Manufacturing Company), in Bloomington, Illinois. The plant began seven years ago as a joint venture between the Japanese firm and Chrysler Corporation. Acting as a cultural and linguistic liaison, Gray helped the Japanese president, who had a limited command of English, deal with a management force that included Americans who didn't know any Japanese. Along the way she acquired a broad understanding of the automotive business.

"I did everything the president needed done," Gray says, "from translating directives for American managers to calculating manpower-per-unit reports."

It has been an exciting professional start for Gray, a native of St. Louis who had a strong background in Spanish and French when she came to Washington University. It was only when she looked over the University's list of language courses that she became intrigued by the possibility of studying Japanese.

The thousands of intricate characters as well as the thought patterns underlying the language took time to master. But her fluency improved quickly, along with her appreciation of Japanese literature, history, and culture. After spending her junior year at Waseda University, in Tokyo, Gray returned home to graduate with a double major in Japanese and international relations, followed by a master's degree in Japanese studies.

Just as her graduate course work was ending, Diamond Star invited Gray to interview for a job. She made the trip and found herself competing against an impressive group of Japanese candidates. Everyone was to provide a written English translation of Japanese; to Gray's surprise, she was the first to finish.

Her interviewers were the next to be astonished: Gray commented that someone over the age of 50 must have devised the test. How did she know? They asked, "Because you are using preoccupation characters," said Gray, whose course work had prepared her to read both older and modern Japanese.

In the years since she landed the job, Gray has developed an awareness of the differences that can cause friction in the workplace. Japanese employees, for example, follow orders without question and may expect American employees to do the same, Gray says, Americans, on the other hand, "resent being ordered to do something," she says. "They want to know, Why?"

Gray is beginning to see such differences from a new angle, as a second-year law student at the University of Illinois at Champaign-Urbana. She still spends evenings at the company, where she works on legal projects such as patent applications and contract reviews.

Once she has her law degree, she'll probably focus on international transactions, including copyright law and software licensing. Her background in Japanese will always figure in her plans.

"The U.S. and Japanese economies are so intertwined," she says, "I see lots of work in the legal field between the two countries."

—Candace O'Connor
program at Cooper Medical Center in Camden, N.J.

Richard A. Simon, LA 73, is principal of The Wheatley School in Old Westbury, N.Y. Richard helped plan and participated in the 1995 Educational Summit at Princeton sponsored by "Principals' Center for the Garden State.

Peter A. DiNardo, GR 74, was one of two recipients of the 1995 Chancellor's Award for Excellence in Teaching from SUNY College at Oneonta, N.Y.

Rob March Harper, GF 74, was invited to show paintings in the Sarratt Gallery at Vanderbilt University for the spring 1996 semester. Rob has had shows in various cities in California and is attempting to work with Oakland Museum to open up yearly shows featuring Oakland-area artists.

Branch Morgan III, LA 74, performed in the Baltimore Dance Theatre's 20th Anniversary Dance Concert, which was recorded for a future documentary. Branch is continuing studies in Spanish at the University of Madrid, Spain, and he studied Katherine Dunham technique in St. Louis at Dunham's eleventh seminar in August.

Debra Monaghan Nazar, LA 74, was appointed secretary to the chair of the Committee on Central and Eastern European Affairs of the Association of the Bar of the City of New York. In 1987 she received a J.D. from the College of Law at the University of Toledo. In 1990 she received an LL.M in international and comparative law at the University of Brussels. Debra married James Gerard Villa on Sept. 2, 1995; they live in Oaklyn, N.J., and are active in Washington U.'s Alumni and Parent Admission Program.

Ramaseswy Srinivasan, SI 74, was elected vice president of the Computer Society of India for 1995-96.

Richard Bruns, LA 75, won a 1995 Ohio Excellence in Journalism Award (first place in business writing) presented by the Press Club of Cleveland. Rick, his wife Kim, and son Christopher are residents of Akron, Ohio.

Paul C.L. Tang, GR 75, GR 82, is professor of philosophy and adjunct professor of Asian and American studies at California State University at Long Beach. He has had a harrier year for teaching/faculty awards. In 1994-95 he received a Distinguished Faculty Teaching Award, a Liberal Arts Most Valuable Professor Award, Faculty Advisor of the Year Award (for the fourth time), Outstanding Graduate Professor Award, and a Scholarly and Creative Activity Award, as well as mentions in several editions of Marquis Who's Who biographical reference books.

Wendell E. Wickerham, LA 75, is now senior associate at the Boston architectural firm of Shepley, Bulfinch, Richardson, and Abbott, where his focus is library and learning resource center planning and design.

Joni Maya Oye-Benintende, FA 76, is an assistant professor of art at East Stroudsburg University in Pennsylvania, where she teaches ceramic art and resides with husband Ed and daughters Miyi and Emma.

Allan Trautman, LA 76, appeared in a May 17 television episode of Unhappily Ever After: Barry M. Wyman, DE 76, is stationed at Langley Air Force Base, Va., where he is chief of general dentistry. He was promoted to major of General Counsel in October. He lives near historic Yorktown and Williamsburg, Va., with his wife Marie and six-year-old son Daniel. Any friends visiting the area are welcome to contact him.

Elizabeth Mulcahy Chehaly, LA 77, EN 77, has completed a year as chair of a major fundraising event at her son's school in Kansas City, Mo., in which the school raised $135,000.

Jill Heppenheimer, LA 77, lives in Santa Fe, N.M., and is co-owner of the Santa Fe Weaving Gallery with partner Barbara Lanning. Jill reports that along with operating one of the best wearable art galleries in the country, she is a management and Industry Planning consultant and instructor.

Alice Bocci Paterakis, LA 77, is chief conservator at the Agora Excavations of the American School of Classical Studies in Athens, Greece. She has been named a fellow of the American Institute for Conservation of Historic and Artistic Works in Washington, D.C., and is an associate of the International Institute in London.

John Barnes, GR 78, GR 81, is married to Kara Dalkey and lives in Gwinnett, Colo., where he is an assistant professor of theater and communication at Western State College. John has published six science fiction novels. His fifth, Mystery of a Woman, has already become his third novel, which is scheduled for publication in 1996.

Marjorie (Clay) Bluder, SW 78, is the executive director of Worldwide Children's Connection, an adoption agency that specializes in placing international children and special needs U.S. children and also in providing support to overseas adoption agencies.

Neil B. Caesar, LA 78, opened the Health Law Center in Green­ ville, S.C. His practice focuses on legal/consulting services helping physicians and other health care providers across the country to respond to the changes in the health care delivery system.

LaRue E. Cook, HA 78, has been named associate general counsel for Blue Cross/Blue Shield of the National Capital Area (Washington, D.C.). LaRue earned a law degree from the University of Baltimore School of Law in 1992.

Judith L. Gutglass, LA 78, LW 85, is former director of library services at the law firm Bryan Cave in Denver, Colo. She moved to Washington, D.C., and is director of library services at the law firm of Wiley, Rein, and Fielding.

Ray Lawson, FA 78, reports he is "making art and working as a wage slave in the screen printing industry while living in the vast cultural wasteland of Las Vegas, Nev."

Debbie Fishtkin Weiss, LA 78, and husband Raymond have a daughter, Emily Laura, born May 8, 1995; they joint three-year-old sister Rebecca Michelle and two-year-old brother Michael Aaron. They live in Chicago.

Patricia E. Wirth, SI 78, SI 80, was honored at the annual Tribute to Management and Industry Planning consultant dinner in recognition of her significant contributions to AT&T Bell Laboratories in Holmdel, N.J., where she is department head for teletraffic theory and system performance.

Mark Fink, LA 79, completed his surgical residency in Phoenix, Ariz., and is now in practice in Chesapeake, Va.

Dale Heysses, GR 79, is publishing his eighth paper this fall in Dallas at the Society of Petroleum Engineers Annual Technical Conference. He is studying for his MBA at the University of St. Thomas in Houston and living in Sugar Land, Texas, with his wife Catherine. He can be reached by Internet at dheyss@halnet.com.

Michael Ing, LA 79, worked as a dancer with, among others, choreographers Lucinda Child and Mark Morris and directors Robert Wilson and Peter Sellars. Michael retired from dancing to attend Columbia University's program in physical therapy. He lives in New York City with partner Mark Bren­nan and their two cats.

Karen Shaylor, GF 79, received a Summer Fellowship for Teachers of the Arts from the Ohio Arts Council. The fellowship is presented to teachers to encourage their professional development as artists. Karen will work on drawings and artists books, she teaches at St. Mary Central Catholic High School in Sandusky, Ohio.

Mary Zumsteg, LA 79, is a 1995 recipient of an Oncology Nursing Foundation Masters Scholarship. Mary is using the scholarship to pursue a master of science in nursing degree from St. Louis University.

Julian Goldstein, BU 80, and his brother Jeremy are partners with a Japanese corporation in a joint venture, PicturePhone Direct, which is a mail-order catalog for desktop video conferencing hardware and accessories. Julian and his brother live in Rochester, N.Y., and are also partners in Navitar, Inc., a company that manufactures video inspection optics for the semiconductor industry and audiovisual products used in corporate presentations.

Daniel Mittleman, LA 80, GB 81, received his Ph.D. in management information systems from the University of Arizona in Tucson, where he is currently employed and invites classmates to contact him by e-mail at danny@arizona.edu.

Eric Plutzer, LA 80, GR 83, GR 86, spent six months in Kuala Lumpur, Malaysia, as a Senior Fulbright Lecturer in European Politics at Universiti Kebangsaan. They have returned to positions in the political science department at Pennsylvania State University.

Betsy Ross Sandford, LA 80, and Scott Sandford, GR 81, GR 85, have a son, Nathan Ross Sandford, born March 28, 1995; they live in Santa Clara, Calif.

Susan Raddatz Trehka, PT 80, and husband Jim have a daughter, Katherine Anne, born Feb. 23, 1995; she joins three-year-old brother Blake. They live in ClAREN­ don Hills, Ill. Susan is a physical therapist, and Jim is an electrical engineer.

Steven C. Beer, LA 81, founded Rudolph and Beer, an entertainment
Maximize Your Retirement INCOME

with a Washington University Charitable Unitrust

See page 9

Robert S. Brookings
Your Advantage Is Clear

See page 9

BROOKINGS PARTNERS

Recognizing the Importance of Planned Gifts
Washington University in St. Louis
and media law firm, in 1993. His article “Rights of Publicity After Forest Gump” was published in the New York Law Journal. He was named chair of the lawyer’s advisory committee to New York Governor Pataki’s office for motion picture and television development.

Janet Dodrill, FA'81, is a graphic designer with Media II, Inc., providing marketing, communication, design, and sales promotion support for domestic and global companies.

John A. Goldstein, LA'81, is a partner at the Chicago law firm of Harris, Goldstein, and Thomson, specializing in the practice of commercial real estate and banking law.

Mark J. Brostoff, HA'82, was promoted to the rank of commander in the Medical Service Corps of the U.S. Naval Reserve.

Nathan Byers, EN'82, is partner in the engineering consulting firm of Sider and Byers in Seattle, Wash. He and his wife, Page Lewis, have a daughter, Hallie, born in March 1994. He and Page visited Washington U. in 1993 and were delighted to find it had “only changed for the better.”

Jeffrey E. Fine, LW'82, was named a shareholder in the St. Louis office of the law firm Polsinelli, White, Vardon and Shelton.

Charles G. Kim, BU'82, GB'92, was named executive vice president by the board of directors of Commerce Bancshares, Inc.

Stanley L. Librach, LA'82, graduated from the University of Missouri-Kansas City School of Dental Medicine and completed a craniofacial surgery fellowship at the University of Kansas. He is a resident in plastic surgery at Wright State University in Dayton, Ohio.

Virginia J. Mayes, LA'82, and John Pickett have a daughter, Lily Maru, born April 14, 1995; she joins three-year-old brother Eamonn Andrew. They live in Alexandria, Va.

Brian Shaffer, LA'83, assistant professor of English at Rhodes College in Memphis, Tenn., received the college’s top faculty award for scholarship. He is an expert on 20th-century modernist writers.

Dan Twillmann, DE'82, and Karen (Zirges) Twillmann, GB'88, UC'88, have a three-year-old daughter, Sara. Dan is a partner with Family Dental Services, and Karen is a cost analyst with MEMC Electronic Materials Inc., a manufacturer of silicon wafers. They live in St. Charles, Mo.

Michael Campeau

Thermo Dynamo

He hails the day at 4:30 a.m. and spends the next 14 to 18 hours on his one-man geothermal heating and cooling business. He runs the St. Louis-based company from home so he can save driving time, hold some of his messages to answer at night, and, if necessary, work while he eats. Before heading to early appointments, he sends five or six faxes by 6 a.m. so replies will be waiting when he returns. And when he’s off calculating energy loads or overseeing installations in the summer, he’ll work “until dark-thirty,” and then sit down at his computer, which “does the work of another person.”

That’s the kind of energy needed to build a business singlehandedly—that, and in the case of Michael P. Campeau, B.S.B.A. ’75, a love of challenge and a bent for engineering so pronounced that when he talks with mechanical engineers in the course of his work, they assume he’s one of their own.

“I keep up with the cutting edge of technology,” says Campeau, “and because of my education, I can also recognize a great business opportunity when I see one.”

The opportunity he named GeoTherm is heating up fast. Campeau’s company provides customized forced-air equipment that heats and cools homes and businesses within a 30-mile radius of St. Louis. Because the equipment uses the area’s constant ground temperature of 57 degrees F. as a thermal battery, moving heat into the ground in summer and out in winter, the systems are efficient, highly cost-effective, and ecologically kind. “In the winter you’re not consuming anything—you’re just paying to move the heat to where you need it,” Campeau says. “And I sell the best there is—my customers are 100 percent satisfied.”

Because he designs his own systems, Campeau constantly draws on his aptitude for engineering—and his zest for problem solving. (“I respond to challenges,” he says.) Among the factors he considers on every job are heat-transfer characteristics of the ground in relation to refrigerant flow; aspects of air transfer; and questions of sensible heat versus latent heat. “I deal with all the possibilities in every job,” Campeau says. “It’s engineering-intense, and different every day.”

To deal with the constant in his professional life—growing a successful company on limited capital—Campeau relies on his education: “I’m able to manage that because of my Washington U. training.” In fact, his fascination with finding answers was “one reason I went to the School of Business in the first place,” he says. At WU he was taught to find solutions for himself while he built a “good, solid base of knowledge and confidence.”

After graduation, Campeau’s paid practicums began. He worked in the family construction business, as project coordinator of million-dollar subdivision construction projects, and as manager of construction for Christian Hospital. Then he joined a St. Louis company in which he learned geothermal heating and cooling from algorithms to humidity bands. In 1992 he left to do things his way.

Being his own boss also allows him to find time for his personal life. Now divorced, Campeau, who is on the board of directors of the Webster Groves Hockey Association, rearranges his calendar as needed to drive his seven-year-old son, Nathan, to hockey practice and to coach an energetic team of seven-to-ten-year-olds. “When I spend two and a half hours on the ice, I’ll work until 1:30 instead of 11 that night,” he says.

On the ice and on the job, Mike Campeau is on the fast track—which only adds to the challenge.

—Judy H. Watts
James N. Valenti, HA '82, received the 1995 Senior Management Award of Excellence from the College of Osteopathic Healthcare Executives on April 29, 1995. He is the chief operating officer of Tulsa Regional Medical Center in Oklahoma.

Mary Beth (Wolf) Borst, EN '83, and husband Daniel have a daughter, Danielle Marie. born Aug. 8, 1994; they live in Ridgecrest, Calif. Mary Beth is head of the integration and electronics section at the Naval Air Warfare Center Weapons Division in China Lake, Calif.

Richard Lichtenstein, LA '83, married Lara Jane Greenberg April 29, 1995. Classmates Arthur Hardy, LA '84; Ann Wimsatt Hardy, LA '84; Dale Nieder, BU '84; Dona Hitchcock, LA '85; Richard Lichtenstein, LA '85; and Ruth Nadler Trojan, LA '85, attended the wedding in Sarasota, Fla., where Richard is a radiologist.

Sarah Whitman, LA '83, married Abraham Wintersky on May 28, 1995. They live in Philadelphia, Pa., where Sarah is assistant professor of psychiatry at the Medical College of Pennsylvania-Hahnemann University.

Philip Brick, LA '84, and wife Christine have four children: seven-year-old Samantha, five-year-old twins Daniel and Paul, and two-year-old Andrew. They live in St. Louis, where Philip is in private practice in internal medicine and pediatrics.

James R. Cannon, EN '84, and wife Christine have four children: Christopher, born April 1, 1995; he joins five-year-old brother Drew and three-year-old sister Maria. They live in Raleigh, N.C., where Jim is a patent attorney with the law firm of Bell, Setzer, Park, and Gibson. Christopher Chivetta, EN '84, GB '86, and wife Anne Marie (Eschbacher) Chivetta, EN '84, SI '84, have a son, Christopher Robert, born June 19, 1995; he joins five-year-old Amelia Marie and three-year-old Mary Patricia. Christopher reports that "everyone loves the new arrival, except for the crying in the middle of the night."

Gary Michael Gelfman, LA '84, is an associate in the Davis, Calif., law office of John E. Latsinot, practicing in the area of professional negligence, business, and civil litigation.

Roger Noel, GR '84, was appointed assistant vice president for international education at Georgia College in Milledgeville, Ga. Roger will remain chair of the department of modern foreign languages.

Sarah E. Shepherd, LA '84, GR '86, is working at the Nagano Olympic Organizing Committee. Sarah and her husband, Brian D. Hanke, live at the foot of Mt. Iizuna in Japan, where they enjoy several summer outdoor activities and, with over two meters of snow in the winter, she reports they "often ski out the front door!" They will remain in Japan through 1998.

L. Marika Steele, LA '84, married William O. Sukhun June 4, 1995; they live in Houston, Tex. Joining the festivities were Susan Abel, LA '84, and her husband Walter Thomoff; Andrew Flach, LA '86; Elizabeth (Maas) Vahlkamp, LA '85, GB '93; and Chris Vahlkamp, LA '85, Marika is an associate in the Houston, Tex., litigation firm of Meredith, Donnell, and Alternather.

Jane Hall Taylor, LA '84, married Richard Taylor on Oct. 15, 1994; they live in Redwood City, Calif.

Thomas C. Binzer, LA '85, GR '85, completed a five-year orthopedic surgery residency and now has a one-year fellowship in Dallas, Tex. He and his wife Tara plan to join a practice in Texas. They report that their two-year-old daughter, Larson Elizabeth, keeps them running!

David Blumberg, BU '85, and Sydna Dudley-Blumberg, EN '85, have a daughter, Hannah Louise, born Oct. 12, 1994; they live in New York City.

Douglas A. Freeman, LA '85, graduated with a J.D. and certificate in health law from Saint Louis University. After taking the Missouri Bar Exam, he will work for the Missouri Department of Insurance, Doug and his wife Rochelle live in Chesterfield, Mo.

Hilarie Cohen Perlin, LA '85, and husband Bruce have a son, Mark Jacob, born May 8, 1995; he joins sister Abby Jeanette, born March 8, 1993. They live in Glenview, Ill.

John Sachs, LA '85, is a lawyer with Orenstein and Brown in New York City, specializing in corporate litigation.

Steve Sadoff, EN '85, SI '87, SI '90, and Alyssa Sadoff, LA '86, moved to Tokyo, where Steve is managing fixed income systems for Mitsubishi Lynch Japan. They would love to hear from any classmates who are visiting or living in Asia; they can be reached by e-mail at sadoff@ml.com.

Pamela Jeanne Trochesset, LA '85, has a daughter, Phoebe Allegra, born May 15, 1995; big sisters Isobel and Yasmin welcome their new sibling.

Warren Agin, BU '86, married Luisa Zauli on July 1, 1995; they live in Boston, Mass. Friends and classmates can reach Warren by e-mail at bagin@tufts.edu.

Stephanie Barr, LA '86, is chief resident in pathology at the George Washington University Medical Center and will continue there in 1996 as a fellow in surgical pathology.

Lisa Boguslaw, LA '86, received a master of fine arts degree in dance from the University of North Carolina at Greensboro and is a visiting guest artist in dance at Murray State University in Kentucky.

Rick L. Butler, EN '80, GB '86, returned from Brazil and has been promoted to sales vice president at AT&T Network Wireless Systems based in Dallas, Tex.

Tom Dvundzila, EN '86, is the second son for Boy Scout Troop America Troop 680 in Alexandria, Va., where he lives with his wife Mya (Mitchell) Dvundzila, EN '87.

Emily Silverman, LA '86, a 1991 graduate of Booth Hall School of Law, received an LL.M. from the University of Freiburg in May 1995. Emily works at the Max Planck Institute of Foreign and International Criminal Law in Freiburg, Germany, but plans to return to the United States in the near future.

Joseph G. Brin, GA '87, is an architect and fine art painter and has a new solo architectural practice based in Philadelphia, Pa. He was awarded third prize in a national national architectural design competition for college housing.

Mark Broll, GR '87, a biology professor at Knox College, was awarded a three-year research grant from the U.S. Department of Agriculture to study how plants respond to heat stress.

Andrew Dickson, LA '87, GB '93, serves as a specialist in pricing, structuring, and marketing in his position of assistant vice president in the New York office of D'Accord Financial Services, Inc.

Jaime Friedenberg Echt, LA '87, and husband Ted have a son, Benjamin Matthew, born Jan. 15, 1995; they live in N. Tarrytown, N.Y. Jaime teaches Victorian crafts for adults at the Tarrytown Historical Society.

Linn. have a daughter, Brinn Marie, born April 27, 1995; they live in Bustrop, Tex. Dale has a master's degree in special education and is an educational diagnostician for the public school district. He would love to hear from classmates and friends via e-mail at dale@tenet.net.

Nelly Ann Marcano, LA '87, has begun a three-year fellowship in pediatric emergency medicine at the Children's Mercy Hospital in Kansas City, Mo.

Stephanie A. Marshall, LA '87, has worked for several years for a U.S. senator as a health policy advisor and is now the director of government relations for the National Health Council in Washington, D.C.

Gina Mustolino, PT '87, is an assistant professor in the physical therapy program at Nova Southeastern University in the Health Profession Division of its College of Allied Health.

John D. Ostrander, LW '87, established the law firm Bonaparte, Elliott, and Ostrander, P.C., in Portland, Ore. Firm members are licensed to practice before state and federal courts in Oregon, California, and Washington.

Doug Einstein, LA '88, and Bethany Einstein, LA '88, have a daughter, Brienne Lindsay, born June 27, 1992, and were expecting their second child in October 1995. Doug is finishing his M.D. and Ph.D. at Albert Einstein College of Medicine, and Bethany is an administrator at Montefiore Med-
A Favorable Prognosis for Health Care

Teamwork to serve the self-interests of all may sound like a management mantra—but according to Danielle Lombardo Trostorff, M.S.W. ’76, J.D. ’77, a cooperative approach is also the hope of health care in America. “The trend obviously is to move to managed care as an alternative to rising costs,” says Trostorff, a health-care attorney in New Orleans and adjunct professor of health-care law at Tulane University’s School of Public Health and Tropical Medicine. The problem, she says, is that the consumer hasn’t had the same incentives to cut costs as have other major players—physicians, hospitals, and other providers, and managed-care companies such as HMOs. Consumers need incentives, Trostorff says, “so everyone is on the same team. I don’t think anybody has really attacked that issue yet.”

In her practice at Locke Purnell Rain Harrell, she has represented every type of health-care provider, and was listed in The Best Lawyers in America, Health Care Law, and “Women to Watch,” in New Orleans City Business. Amid national debate about how managed care may affect the quality, availability, and accessibility of care, Trostorff’s prognosis is optimistic. “Really, our managed-care industry is in the embryonic stage,” she says, “We are evolving.” She adds that rigorous analyses are beginning, and says more and more major groups will get involved. “Providers as well as consumer advocates are interested in ensuring a high-quality system.”

Trostorff’s successes may account for some of her confidence. A recent coup involved the state of Louisiana, one of the few with a statewide charity-hospital system providing free care for the indigent as well as others. In the early ’90s, the state decided to strengthen the critical New Orleans system by transferring some of its services from an aged physical plant to a newer, private hospital, Hotel Dieu. Trostorff worked with a team of lawyers from several firms and state agencies to overcome regulatory hurdles; solve intricate real-estate, tax, and federal-regulatory problems; and draft manifold agreements. The project—unusual because it was the publicization of a private health-care provider instead of the reverse—demonstrated what intensive analysis, problem solving, and teamwork can accomplish.

Trostorff, who has a bachelor’s degree in child development and family studies from Cornell and the Master of Social Work and Juris Doctor degrees from Washington University, finds that the blend suits her sympathies and her analytical mind. “It is helpful to be a people person and analyze situations from a social-work perspective,” she says. At the same time, she enjoys “the legal trains of thought, which are very logical, very technical.”

After working on Wall Street and in Neighborhood Legal Services and Office of Corporation Counsel in the District of Columbia, Trostorff switched to health-care law in 1981. “The field was not well known,” she says. “It was really a niche for me.”

Trostorff’s involvement extends beyond the firm. The first lawyer president of the Women’s Health Care Executive Network, in New Orleans, and the first president of the Louisiana Society of Hospital Attorneys, she also serves on the statewide advisory board of Agenda for Children.

At home, odds are that Trostorff’s children, Alex, 7, and Lauren, 3, may someday pursue legal careers: Their father, Alex Trostorff, J.D. ’76, is a tax attorney and partner in Louisiana’s largest legal firm. “We’re both in very technical fields,” Danielle Trostorff says. In any case, her philosophy will benefit everyone: “I really enjoy my work,” she says, “I think you are successful not only by enjoying your work, but having a commitment to excellence in everything you do.”

—Judy H. Watts
Dawn Shesky Steirn, BU 89, and husband Howard Steirn, BU 90, have a son, Robert Pariss, born June 4, 1995; they live in Ft. Lauderdale, Fla.

Aaron Weinert, LA 89, received his master’s degree in architecture from Harvard University Graduate School of Design in 1995 and works as a designer at an architectural firm in Boston, Mass.

1990s

Kao Bin Chou, LA 90, graduated from James H. Quillen College of Medicine at East Tennessee State University and is doing his residency in family practice at the Eisenhower Army Medical Center in Ft. Gordon, Ga.

Rod A. Feiner, LA 90, married Laura Poncher May 21, 1995. They live in Plantation, Fla., where Rod is an attorney with Lewis, Longman, and Walker of West Palm Beach, Fla.


Allison Harris, LA 90, graduated from New York University School of Law and works at the New York firm of Haight, Gardner, Park, and Havers, which specializes in maritime and aviation law.

Cynthia Haywood, EN 90, married Roger Kerckemeyer May 21, 1994; they live in Ballard, Mo. Cynthia is employed by AT&T Network Systems.

Kenneth J. Kuehnel, FA 90, has been named senior art director at Falk Design Group in St. Louis, where he also teaches illustration and graphic design at Webster University.

Maurice Kurland, LW 90, is an assistant district attorney for the El Paso District Attorney’s Office and in April was promoted to trial team chief.

Scott J. Ladewig, EN 90, received master’s degrees in business administration and information management from Washington U. in spring 1995 and has accepted a position as manager of information systems at VisionAire Corp. in Chesterfield, Mo.

Allan Jay Parungao, LA 90, graduated from Southern Illinois University School of Medicine and has begun a six-year residency in combined general surgery/plastic surgery at SIU-affiliated hospitals in Springfield, Ill. Allan would love to hear from classmates and friends via e-mail at parungao@siumed.edu.

Ronald H. Pearson, HA 90, is a U.S. Air Force major and has joined the United States Air Force Academy Hospital as the chief financial officer.

David Caccamo, LA 91, MD 95, has begun family practice residency at St. Paul-Ramsey Medical Center in St. Paul, Minn.

Julia Denney, LA 91, placed fourth for women when she ran the Hyannis Marathon and also placed 328th out of 2,000 women in the Boston Marathon. She plans to pursue a master’s degree in environmental education through a traveling program co-sponsored by Lesley College and the Audubon Institute.

Murray F. Dweck, LA 91, received his doctor of medicine degree from Tulane Medical School in June 1995 and is doing his residency in obstetrics and gynecology at the University of South Florida in Tampa.

Stanton Fish, LA 91, married Elizabeth Kerr, LA 92, on July 2, 1995; they live in New York City, where Stanton is working on his master’s degree in business administration at New York University, and Elizabeth is completing her master’s degree in decorative arts at the Bard Graduate Center.

Staci Flaxman, LA 91, graduated from Hofstra Law School and moved to Raleigh, N.C. She invites classmates and friends in the area to contact her.

Lisa Ann Goldberg, LA 91, LW 95, was recognized as a member of the Order of the Barristers at the School of Law awards ceremony. She was selected on the basis of excellence in and service to lawyering skills competitions.

Aaron Weinert, LA 89, received a master’s degree in applied physics from Johns Hopkins and will be attending St. John’s College in Annapolis this fall. He says he enjoys biking, backpacking, fencing, and making homemade brew, and he reports that the past year’s highlight was a three-week trip across west Africa.

Laura Kahan, LA 91, completed her master’s degree in early childhood development at the Erikson Institute in June and married Ira Harth on Aug. 27. They plan to live in Israel for the next year.

Scott Kaplan, LA 91, received seven awards in 1994 from the Los Angeles Creative Club’s advertising student competition. He works as an art director on TV, print, and radio commercials for McCabe and Co. in New York City.

Daniel C. Lai, LA 91, received an M.D. from Baylor School of Medicine and has begun residency in general surgery at the University of California in San Francisco.

Ladina Landau, LA 91, married Tim Drury April 9, 1994; they live in Atlanta, Ga. Ladina received a master’s degree in counseling in March and is a counselor at a private school and a family therapist and addiction counselor with a non-profit counseling agency.

Patricia Leighton, LA 91, married Stefano R. Cugno, LA 91, on Aug. 5, 1995, in Buffalo, N.Y. Patricia is a kindergarten teacher in Glen Head, N.Y., and Stefano is a marketing manager for CompuServe, Inc., in New York City.

Michael Pfeifer, LA 91, published an analysis of Iowa’s last lynching in the fall 1994 issue of The Annals of Iowa. He received his degree from the University of Iowa, where he is a doctoral candidate. He is writing a dissertation on lynching and criminal justice in regional context in Iowa, Wyoming, and Louisiana.

Correction: Jonathan Primack, LA 91, MD 95, is a pediatric ophthalmology resident in Manhattan, N.Y.; he is engaged to Hanna Goldberg and living in New York City.

Andrew Lawrence Rosen, LA 91, graduated from James H. Quillen College of Medicine at East Tennessee State University and is doing his residency in surgery at Mount Sinai Hospital in New York City.

Anne Stepp, FA 91, married Tony Rotondo in April 1995; they live in Missouri City, Tex. Anne has worked for a Houston advertising agency for two years.
Seeking Fusion

Whoever said youth is wasted on the young obviously had never met anyone like Dinesh Singh Bhatia, B.S.E.E. ’90. Bhatia is only 25, but if the beginning of his life is any indication of what his later years will bring, anything is possible from this multitalented native Singaporean.

Bhatia enrolled at Washington University at the age of 16 and graduated at 20 with a degree in electrical engineering and computer science and a minor in music composition. He returned to Singapore after graduation to perform an obligatory two and a half years of National Service. Near the end of his military tour of duty he helped form a band called Kick! A year later, it was Singapore’s hottest band, and the group was named Local Artist of the Year. Their album, Freedom (in me), made Local Album of the Year, and one of the album’s singles, “Jane,” written by Bhatia, was a number-one radio hit and was voted Local Song of the Year. Kick! mania broke out in Singapore.

But the group never met its goal of taking its music out of the city and onto the British and American pop charts. That fact, along with Bhatia’s great interest in engineering and his growing disillusionment with the fact that the band’s sound wasn’t evolving enough to suit him, led him to a new stage—graduate school in biomedical engineering at Imperial College in London.

“I could have stayed with the band, and 40 years down the line I would have told you the same thing: ‘I’m with a band,’” says Bhatia from his modest basement flat in South Kensington, within walking distance of classes. “But I want to see things with an end or a purpose to them. I wanted to move on.”

Although Kick! still performs in Singapore, Bhatia, who plays the keyboard, has parted ways with the group and is using the time away from the limelight to focus on his studies and also to develop his own style of electronic music. “I’m really experimenting now,” he says. “I could make pop, but I want to make it with a twist. Maybe a bit of atonality in the middle of melodic harmony. I’ll just go with the flow and maybe something will happen with it. ”

“Right now a quarter of my time is devoted to music, a quarter to my studies, and half is devoted to thinking about the future,” Bhatia continues, laughing. “I really can’t figure that one out. I want to give biomedical engineering a shot, and somehow I hope to mix music in. I want to be first and foremost an engineer, but then I want to have my music come out periodically and be a well-known artist. I don’t want to tour; I just want my music to be heard.”

Bhatia’s 12-month-long course studying biomedical engineering, physical science, and medicine is equivalent to two years of study in the United States, he says. There are few breaks in the schedule, and classes run every day from 9 a.m. to 4 p.m. He may be spending 50 percent of his time thinking about the future, but he’s not without his plans now. He’s in the process of developing his own engineering inventions and sees himself going into the entrepreneurial end of medical engineering.

“I have something to work for now, and I really want to pursue those ideas to creation,” he says. “I want to see a prototype in front of me.”

Still . . . there’s his music. He has written modern string pieces for a quartet in Singapore, and he’s working with another keyboardist in London to develop new pop pieces. And although he seeks a harmonious union between his two callings, it’s also clear that sometimes he is torn.

“Sometimes I just wish it would be a clear-cut thing,” he says: “Okay, you’re set for music,” or “Okay, you’re set for the other.” But the fact is I really enjoy both.”

—Steve Givens
finished her third year of medical school.

Kristen K. Mitchell, LA 92, received a master’s degree in botany, specializing in plant ecology, from the University of Wyoming.

Scott C. Moon, GB 92, and Karen K. Moon, SW 92, expect their first child in December; they live in Westfield, N.J. Scott is assistant vice president with Citibank, and Karen is an EAP counselor with Merrill Lynch.

Timothy R. Walker, LA 92, LW 95, married Sonya L. Cordes, LA 92, on Dec. 30, 1994; they live in Eugene. Ore. Tim has taken the Oregon Bar Exam and Sonya is pursuing her master’s degree in business at the University of Oregon.

Joceline Wiewall, LA 92, and Robert Winkelman, BU 91, are married and live in Chicago, where Joceline is attending medical school at the University of Illinois. Robert is working at LaSalle Bank and on his master’s degree at Northwestern University.

Ashley Belcher, LA 93, was named to the dean’s list at Cumberland School of Law and is in her third and final year of law school. Ashley says she loves being home in Birmingham and clerking at the law firm of Watson, Tuscaloosa, Ala.

Richard A. Binzley, SI 93, was commissioned to the rank of ensign in the U.S. Navy after completing Officer Candidate School in Naval Aviation Schools Command at Naval Air Station in Pensacola, Fla.

Katherine (Ketti) Hoefel, FA 93, and Michael North, EN 92, live in New York City and are working at their dream jobs. Katherine is a fashion designer for the Robe-spirre label and has had dresses on such shows as Melrose Place and Friends. Michael is designing the World Wide Web site for the National Football League and can be reached atNFLhome.com.

Nuntiya Kakamantadiak, LA 93, received a D.M.D. degree from the University of Pennsylvania School of Dental Medicine and is doing a residency in pediatric dentistry at the Montefiore Medical Center in New York City. Nuntiya lives in Riverdale, N.Y.

Kevin Williams, EN 93, is an implementation specialist at MasterCard International in St. Louis. He won the company’s President’s Award, presented to outstanding employees selected for teamwork in accomplishing significant achievements on behalf of the company.


Cindy Crabtree, OT 94, completed a bachelor’s degree in sociology at the University of Missouri-St. Louis and works as an occupational therapist for Christian Health System in St. Louis County.

Jason Fox, BU 94, was named the creative director for Smith Advertising in Kansas City, Mo. Scott F. Hall, GB 94, is assistant professor of 3-D computer modeling and animation at Cogswell Polytechnical College in Sunnyvale, Calif. He reports he is thrilled to be in the Silicon Valley and was looking forward to seeing everyone at SIGGRAPH ’95 in Los Angeles.

Ingrid Maria Middleton, SW 94, is in her final year of her second master’s degree in media communications. A video she produced won a place in the Student Film and Video Festival at Webster University in St. Louis. Ingrid has a freelance photography business at the World Wide Web site for the National Football League and can be reached atNFLhome.com.

Terri A. Rovainen, LA 95, named to the dean’s list at Cum- berrland School of Law and is in her third year of law school. Ashley says she loves being home in Birmingham and clerking at the law firm of Watson, Harrison, and deGriffenfied in Tuscaloosa, Ala.

Herman Melfiff, LW 95; 8/93.

Philip S. Alexander, LW 95; 7/93.

Ernest A. Gotch, EN 95; 7/93.

Edna R. Heman, BU 95; 7/93.

Jack Langleben, LA 95; 7/93.

Marjorie (Klages) Rosebrough, LA 95; 7/93.

Alice Ruth (Eek) Burkard, BU 95; 7/93.

John J. McAtee, LW 95; 7/93.

Erika Clara (Basenach) Puetz, LA 95; 7/93.

Robert M. Aveyard, BU 95; 7/93.

Herman J. Jacobs, BU 95; 7/93.

Ellen M. (Shattuck) Loeffel, MD 95; 7/93.

Phillip A. Monypenny, LA 96; 7/93.

Lenore Horn, GR 96; 7/93.

Hanan D. Wedlan, BU 96; 7/93.

Margaret Wicke, BU 96; 7/93.

George W. Blankenship Sr., MD 96; 7/93.

William F. Gebhart, LA 96; 7/93.

Dorothy L. Greb, GR 96; 7/93.

Richard D. Schultz, GR 96; 7/93.

Meredith B. Turner, GR 96; 7/93.

Dudley A. Wolfe, LA 96; 7/93.

Rosemary (Daiz) Meacham, LA 96; 7/93.

In Memoriam

Pre-1920s

Nellie Robnett, LA 19, GR 27; 8/95.

1920s

Esther B. Rose, NU 22, NU 49; 8/95.

Lecil Benedict, LW 24; 10/94.

Marie M. Stedelin, LA 26; 4/95.

Catharine M. Lieneman, GR 27; 6/95.

Marion E. (Coakley) Duggan, LA 28; 6/95.

1930s

Herman Meggill, LW 30; 8/93.

Philip S. Alexander, LW 31; 7/95.

Ernest A. Gotch, EN 31; 7/95.

Edna R. Heman, BU 31; 7/95.

Jack Langleben, LA 31; 7/95.

Marjorie (Klages) Rosebrough, LA 31; 6/95.

Alice Ruth (Eek) Burkard, BU 32; 8/95.

John J. McAtee, LW 32; 7/95.

Erika Clara (Basenach) Puetz, LA 32; 3/95.

Robert M. Aveyard, BU 34; 8/95.

Herman J. Jacobs, BU 34; 6/95.

Ellen M. (Shattuck) Loeffel, MD 35; 8/95.

Phillip A. Monypenny, LA 36; GR 37; 6/95.

Lenore horn, GR 37; 11/94.

Hanan D. Wedlan, BU 37; 12/94.

Margaret Wicke, BU 37; 6/95.

George W. Blankenship Sr., MD 38; 7/95.

William F. Gebhart, LA 38; 7/95.

Dorothy L. Greb, GR 38; 7/95.

Richard D. Schultz, GR 38; 8/95.

Meredith B. Turner, LW 38; 8/93.

Dudley A. Wolfe, LA 38; 11/94.

Rosemary (Daiz) Meacham, LA 39; 7/95.

1940s

Thomas J. Hayes, BU 40; 3/95.

Russell N. Hirst, MD 40; 7/95.

Eugene W. Dependahl, LA 41, GR 43; 6/95.

Rosemary Derby, LA 41; 7/95.

Samuel D. Goldberg, LA 41; 7/95.

Edward G. Thoennes, EN 41; 6/95.

Raphael B. Braun, GR 42; 12/93.

Eve Amex (Davis) Keith, SW 42; 7/95.

Joseph F. Lallinger Jr., LA 42; 6/95.

Horace L. Schaefer, LA 42; 2/95.

H. Lawrence Alfred, MD 43; 4/95.

Anne Gentry Netherland Carter, LA 43; 6/95.

Charles F. Gidcumb Jr., LA 43; 11/94.

Stanley F. Kaisel, EN 43; 6/95.

Jane L. (Dierberger) Pitcher, LA 43; 9/95.

Sigmund C. Seelig, BU 43; 7/95.

Douglas E. Proctor Jr., EN 44; 6/95.

Rena Miriam (Felstein) Schechter, LA 44, GR 45; 7/95.

Marian Louise (Kohn) Kavanaugh, GR 45; 6/95.

Jeannne (Dunn) Caughlan, SW 46; 6/95.

Walter C. Blatt Jr., BU 47; 3/95.

Florenc.e (Reppert) Hauck, SW 47; 6/95.

William Carl Phelan, AR 47; 5/95.

Alice J. (Greve) Altepeter, BU 48; 8/95.

William M. Bohannon, EN 48, SI 49; 7/95.

Jean Claire (Knabe) Brown, LA 49; 9/95.

William P. Freeman, LA 49; 6/95.

Mary A. (Barnard) Hasler, UC 49; 7/95.

David G. Soergel, SI 49; 9/94.

Waldon B. Wacker, LA 49; 6/95.

1950s

Elwin E. Caldwell, SW 50; 3/95.

Robert P. Cosgriff, BU 50; 5/95.

Walter H. Sallwasser, EN 50; 7/95.

Harry L. Webster, BU 50; 7/95.

Chester A. Love, BU 51; LW 51; 8/95.

Jean Marie (Gilmour) Martin, AR 51; 8/95.

Charles M. Wesley, LW 51; 10/94.

Shirley Jean (Heyne) Wulfekeueker, LA 52; 7/95.

Dale (Humphrey) Graham, UC 54; 7/95.

Emil G. Kuechler, BU 55; 9/95.

Perry M. Sofian, LA 54; 7/95.

John L. Allen Jr., AR 56; 7/95.

M. Santa, NN 56; 6/95.
Carlos E. Harrison Jr., MD 56; 9/94.
Maude LeFler, UC 57; 8/95.
William E. Trippett, EN 57; 8/95.
Stephen R. Kimella Jr., FA 58; 7/95.
Margaret E. (Rogers) Montgomery, LA 59; 3/95.

1960s
Ben Ely, LW 60; 6/95.
Mary Lou (Fischer) Huggenberger, UC 60; 1/95.
Fred A. Orr, SI 60; 7/93.
Raymond S. Vogel, UC 61; 7/95.
H. Jane Spradling, NU 62; 7/95.
Nancy Craig, HA 63; 7/95.
Robert A. Schoentag, MD 63; 5/95.
Donna (Hellweg) Lima, OT 64; 8/95.
Gerard H. Landolt, UC 65; 7/95.
Frank Leavitt, GR 65; 2/95.
Romayne P. Cubitlo, LA 74; 5/95.
William Wescott Davis, LA 73; 6/95.
Kenneth V. Walter, LA 71; 3/95.
William Wescott Davis, LA 73; 6/95.
Howard Lee Stewart, LA 73; GA 78; 7/95.
G.H. Terando, LW 73; 6/95.
Pamela J. Cubitlo, LA 74; 5/95.
Thomas George Gradnauer, GR 74; 3/95.
Stuart William Maccorquodale, GB 74; 6/95.
Bernard Joseph Smith, LA 78; 12/94.

1970s
Kenneth V. Walter, LA 71; 3/95.
William Wescott Davis, LA 73; 6/95.
Howard Lee Stewart, LA 73; GA 78; 7/95.
G.H. Terando, LW 73; 6/95.
Pamela J. Cubitlo, LA 74; 5/95.
Thomas George Gradnauer, GR 74; 3/95.
Stuart William Maccorquodale, GB 74; 6/95.
Bernard Joseph Smith, LA 78; 12/94.

1980s
Darryl Marvin Ouda, TI 80; 5/94.
Suzanne Lindsay, GR 89; GR 90. 3/94.

1990s
Geraldine S. Kowalski, SW 91; 8/95.
Edgar John Telthorst, GR 91; 8/95.

In Remembrance

Marion E. Bunch, GR 26, professor emeritus of psychology, died of cardiac arrest at his home in St. Petersburg, Fla., on August 23. He was 92 years old.

Bunch specialized in the study of learning and memory, receiving his doctorate from the University of Chicago in 1934. Later in his career Bunch was instrumental in establishing the Program on Aging and Development in the Department of Psychology. He became a full professor in the psychology department in 1946 and served as chair of the department from 1949 to 1969, when he retired as professor. He also was acting dean of the College of Arts and Sciences from 1960 to 1962.

Raymond Fary, LA 47, GR 48, died of cancer July 28 at his home in Silver Spring. He was 77. Fary was a geologist and had worked for the U.S. Geological Survey from the early 1960s until retiring in 1984 as section chief. His work involved dispensing remote sensing data and training scientists from Asia, Africa, and Latin America in the use of geological data.

Andrea Goff, LA 95, her father David, and sisters Sherry and Alysse were found murdered in their home in Potomac, Md., on July 20, along with a hired house painter, Richard Aldridge. Aldridge’s painting assistant, Brumal Stavin Alvarez, has been charged with their murders. Andrea Goff’s mother Erma and brother Scott were at a family condominium in Ocean City, Md., at the time of the killings.

Andrea Goff, 22, had graduated from Washington U. with honors and was planning to attend law school. She was a philosophy and English literature major. While in college, she was a volunteer who helped disadvantaged children, and she played on the philosophy department’s football and softball teams, and she was involved in the Women’s Leadership Training Institute and Campus Y.

A Potomac memorial service for the Goffs was attended by almost 2,000 people.

Thomas C. Hoering, LA 48, GR 51, GR 52, died of brain cancer July 22 in Chevy Chase. He was 70. Hoering was an organic geochemist who worked for the Carnegie Institute of Washington’s Geophysical Laboratory, where as a staff scientist he pioneered techniques for studying fossil molecules in rocks and petroleum. He also devised a method to study the movement of carbon isotopes during biological processes. He spent six years as an associate professor of chemistry at the University of Arkansas before joining the Carnegie Institution. He was also past chairman of the Organic Geochemistry Division of the Geochemical Society and received the society’s Alfred Treibs Medal for his pioneering research.

Thomas E. Knox, DE 33, died of heart ailments July 28 in Clearwater, Fla. He was 85. Knox was a retired Veterans Administration dentist and specialized in the development of prosthetics. He was born in St. Louis and served in the Army Dental Corps during World War II. He worked for the VA until his retirement in 1970. He was married for 54 years to Ruth Pearcy Knox, who died in 1994.

Elizabeth Koppenaal, MD 24, died in August at her home in Chicago. She was 99. Her career as a physician spanned almost 50 years, starting when she graduated in 1924 among only three other women in a class of 75 students. From 1940 until she retired in 1971, Koppenaal worked at DuPage Memorial Hospital, now Elmhurst Memorial Hospital. In 1952, she became a founding fellow of the American College of Obstetricians and Gynecologists. She was named Woman of the Year by Elmhurst’s Business and Professional Women’s Club and was inducted into the Fifty Year Club of the Illinois State Medical Society in 1974. She also was a member of the Elmhurst Memorial Hospital Guild and the American Association of University Women.

Ellen Loeffel, MD 35, died August 15 of lymphoma at her home in St. Louis. She was 89.

Loeffel was one of the first female obstetricians-gynecologists in the St. Louis area. Born in Easthampton, Mass., she earned an undergraduate degree from Mount Holyoke College in South Hadley, Mass. She attended medical school at Columbia University in New York and did cancer research for two years at Rockefeller Institute in New York. She came to St. Louis in 1933 to earn her medical degree and subsequently spent 40 years in private practice in St. Louis. She was past president of the Women’s Physicians Association of St. Louis and of the Zonta Club. She served as an officer of the St. Louis Medical Society and as a former chairman and board member of the YWCA. She also was a former member of the St. Louis Health and Welfare Council and a volunteer with the United Way of Greater St. Louis.

Renata Rothkowicz, former director of public services and collection development for Washington University Libraries, died August 31 of cancer. She was 74.

She was born in Lodz, Poland, and earned a master’s degree in psychology at Warsaw University.

She immigrated to the United States in 1959 and earned a master’s degree in Russian area studies in New York. Rothkowicz started with Washington University Libraries in 1966 as a Slavic bibliographer and went on to serve as principal bibliographer, assistant librarian for reader services and collection development, and acting University librarian. She also taught classes in Russian and library services.

Garland Frederick Smith, MD 41, died July 28 after a long illness. He was 80 and a resident of Richmond Heights, Mo. Smith was a retired orthopaedic surgeon in private practice in St. Louis for 32 years. He was a former chief of orthopaedics at St. John’s Mercy Medical Center in Creve Coeur, Mo., and he was on the staffs of several other St. Louis-area hospitals. Smith was a life member, elder, and trustee of Central Presbyterian Church in Clayton. Born and raised in St. Louis, he graduated from Soldan High School and earned a bachelor’s degree from Westminster College in Fulton, Mo. He was a major in the Army Medical Corps in World War II. He was married for 40 years to Hazel Straube Smith, who died in 1982. He is survived by two daughters, three sons, and five grandchildren.

Charles A. Waldron, former assistant dean for biomedical sciences and director of student services at the School of Dental Medicine, died of a heart attack August 13 in Stone Mountain, Ga. He was 73. Waldron also was associate professor and chair of the dental school’s Department of Pathology. At the time of his death, he was professor emeritus at the Emory University School of Medicine.

Correction: Leonard Victor Becker, LA 52, listed as deceased in the last issue, is alive and well in Florida. Our apologies for the error.
Learning to Learn: The Technology of Discovery

No single piece of intellectual software has influenced economics over the last 40 years as has game theory, which allows us... to explore the strategic interaction between and among individuals, groups, and institutions. It was developed [by] an economist and a mathematician... [It] would not have happened unless they were together in something like a university... [This is a] perfect example of the way in which a community of scholars provides us with the means to learn...

James T. Little, Panel Moderator
Professor of Finance and Economics, John M. Olin School of Business

The University is a nucleus, it's a concentration of endeavor—it's a culture. But there are no sharp borders... Exploration, communication, and testing hypotheses are very much intertwined... The heart of what a University does is to promote those three modalities...

Dennis W. Choi
Andrew B. and Gretchen P. Jones Professor of Neurology and Head of Neurology, School of Medicine

Of course, there's something that won't be changed by technology—students will still learn the old-fashioned way—they'll study. And it will still be up to teachers to excite their interest, inspire them to work hard, and give them the individual guidance they need...

Jonathan S. Turner
Henry Edwin Sever Professor of Engineering; Chair of Computer Science, School of Engineering and Applied Science

We [at the University] are able to couple teaching and research very intimately. I think that's very important because a lot of the classroom knowledge is older knowledge and it's not terribly exciting. I think the students need to be excited about what they're learning...

Karen L. Wooley
Assistant Professor of Chemistry, in Arts and Sciences
"... What we bring to the table as a discipline is knowledge of human behaviors that you can't get at through social science—a sense of what it means to be a human being and to behave or misbehave in the way that we all seem to do.... Nonetheless, it's basically still engaging the world and trying to make sense of it on some level...."

Douglas B. Dowd
Assistant Professor of Art, School of Art

"At the DNA level, we're all similar to the nematode. You actually share about 50 percent of your genes with this little roundworm.... This is the information that will provide the basis for learning and discovery in the coming century.... If this [genetic research] were taking place in a commercial [instead of a university] setting, we would hold on to the information, and the whole human community would be poorer as a result."

Robert H. Waterston
James S. McDonnell Professor of Genetics; Head, Department of Genetics, School of Medicine

NEW CENTURY, OLD PLANET: DEVELOPMENT AND ITS IMPACT

"... There is a substantial and important difference between construction, which is simply putting up buildings that function, and architecture, which is creating buildings that for all of us lift our spirits and move us in ways we never quite expect..... Whether we like it or not, the development and consumption patterns that have developed in the Western industrialized world are becoming the desired and expected standard worldwide, and I think we have to reflect on what that might mean...."

Donald C. Royse, Panel Moderator
Professor of Architecture, School of Architecture

"... Much of my research agenda grows from a desire to discover mechanisms of change for the better.... A second area involves] the complications of change—often unanticipated and unwelcome consequences of development.... A third category is] a lack of change in areas such as... racial discord and family violence. [But] as we ponder the new century, I'm pretty optimistic at heart...."

Enola K. Proctor
Frank J. Bruno Professor of Social Work Research, George Warren Brown School of Social Work

"... Africa has the unfortunate distinction of being the only continent in the world where food production is not keeping pace with population growth. It is also home to many of the poorest nations in the world, and for these reasons, promotion of greater economic growth is the agenda for the social sciences. It is not a luxury but an imperative...."

Jean Ensminger
Associate Professor of Anthropology, in Arts and Sciences

"... Just as [law in Europe] learned from the American example, so must we in the United States learn from the European example as we face the challenges of the 21st Century.... [The international cooperation demonstrated by Europeans] sends us a message of hope that peace through law is not only desirable but may even be possible...."

Leila Sadat Wexler
Associate Professor of Law, School of Law

"... I've been concerned over my lifetime with just two questions: Where have we been and where are we going? Obviously the relationship between the two is very close. The only laboratory we as social scientists have is the past, is history.... Where we've been is a success story, overall. Where we're going raises a question that is much more disturbing—Why haven't we done a lot better?.... There's something fundamentally missing, and that is the problems of human organization and interaction.... The challenges are immense, and I hope we're going to get on to solving them...."

Douglas C. North
Henry R. Luce Professor of Law and Liberty and Professor of Economics and History, in Arts and Sciences

"... We have allowed technology to offer us intimacy without obligation, communication based on separation, illusion in place of reality. In callous isolation, we keep in friendly touch.... As certain spheres of our knowledge expand in apparent company with the universe, other realms remain closed as a clenched fist, resentful and reluctant.... [It is easy to imagine the 16th century at war with the 19th in the 21st. If the heedless hurrying forward is foolish, to remain in some nostalgic dream is insane...."

William H. Gass
David May Distinguished University Professor in the Humanities, in Arts and Sciences
The Chancellor's Medallion

On February 22, 1946, at the moment Arthur Holly Compton became the University's ninth chancellor, Harry Brookings Wallace, president of the University Corporation, placed around Compton's neck a finely wrought gold and silver medallion symbolizing the chancellor's office and authority. That symbol, donated by Wallace for chancellors to wear on state occasions, is part of Washington University's history and tradition. Mrs. W. F. Richter, faculty member in the School of Fine Arts (now the School of Art), produced the design; her colleagues Neomi M. Walsh and Mary L. Lischer executed it. The medallion is a three-inch metal disk embossed with symbols from the University seal on a chain of alternating gold and silver links, each a half inch long. Both parts were cast at the University's School of Dental Medicine, which closed in 1991.