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Record

April 29, 2005

Volume 29 No. 31



Washington University in St. Louis

Antibody cures West Nile virus in mice

By MICHAEL C. PURDY

A newly developed monoclonal antibody can cure mice infected with the West Nile virus, according to University scientists.

If further studies confirm the effectiveness and safety of the antibody, it could become one of the first monoclonal antibodies used as a treatment for an infectious disease.

In a strain of mice that normally has only about a 10 percent

survival rate after West Nile infection, scientists found that single doses of the antibodies given soon after infection could boost survival rates to 90 percent or higher.

"To our knowledge, these experiments are the first successful demonstration of the use of a humanized antibody as a post-exposure therapy against a viral disease," said senior investigator Michael S. Diamond, M.D., Ph.D., assistant professor of molecular microbiology, of pathology and immunology and of medicine.

"They also suggest antibody-based therapeutics may have a broader utility against other infectious diseases."

He pointed out that MacroGenics Inc. of Rockville, Md., a company that contributed to the study and licensed the antibody from the University, must complete other preliminary studies before the antibody can be tested in humans. But Diamond and his colleagues are excited both by the apparent potency of the antibody and its potential to help them



Diamond

explore new possibilities for treating related viruses that are more prolific causes of human disease and death.

"We could give a single dose of this antibody to mice as long as five days after infection, when West Nile virus had entered the brain, and it could still cure them,"

Diamond said. "It also completely protected against death from the disease."

Researchers will report their results in the May issue of *Nature Medicine*.

In 2004, West Nile virus reportedly caused 2,470 infections and 88 deaths in the United States. Most infections with the virus are mild or symptom-free, but infections in people with weakened immune systems and those over 50 sometimes lead to serious com-

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It's a beautiful day University community members (from left) Yang Gao, Huiyun Shan and Zihan Huang perform *Qing Feng Xian Qing*, or *Wild Wind and Happiness*, a Han folk dance that portrays a picture of a Chinese town on a sunny spring day. The performance was part of the George Warren Brown School of Social Work's 11th annual International Festival April 22 in Brown Hall. The theme of this year's event was "Crossroads: Celebrating One World."

Student Worker Alliance sit-in comes to an end

By ANDY CLENDENNEN

After nearly three weeks of protesting, approximately 14 members of the Student Worker Alliance (SWA) agreed to call off their sit-in in South Brookings Hall and Brookings Quadrangle when presented with a letter from Chancellor Mark S. Wrighton April 22.

In the letter, Wrighton again outlined what the University has committed to do and set forth some additional steps to be addressed at the end of the sit-in.

The University agreed to do the following:

- Beginning in the 2005-06 fiscal year, the University will commit \$500,000 toward improving the wages and benefits of lower-paid service workers. Also, beginning in the 2006-07 fiscal year, the University will commit an additional \$500,000 annually toward the same purpose, bringing the annual total to \$1 million.

- The University will appoint a team to review University priorities with the intent of identifying what additional resources might be available to address the ongoing needs of lower-paid service workers.

- The University will soon meet with the compa-

nies that provide basic services to the University on a contractual basis to assure conformity with the commitments made in the "Principles and Guidelines for Basic Service Contracts," which became University policy last fall. In addition, the University is opening expanded discussions to determine if improvements can be made, especially on worker health-care issues.

- The University will join the Workers Rights Consortium, in addition to its present membership in the Fair Labor Association, to maintain its policy of supporting international and national efforts promoting respect for labor rights around the world.

- The University respects the rights and decisions of employees to choose to be represented by a union and to collectively bargain with their employer. The University is committed to remaining neutral in the labor-relations decisions of its independent service contractors and their employees.

- The University will strive to do business with service contractors who recognize, support and respect fair labor practices. In selecting service contractors, adherence to fair labor practices will be a criterion for selection, in addition to those criteria already included in the "Principles and Guidelines for Basic

See **Sit-in**, Page 6

Syverud is named School of Law dean

By JESSICA MARTIN

Kent D. Syverud, J.D., dean of the Vanderbilt Law School, has been named dean of the WUSTL School of Law effective Jan. 1, according to Chancellor Mark S. Wrighton.

Syverud will also become the Ethan A.H. Shepley University Professor.

Joel Seligman, J.D., who came to WUSTL in 1999 to serve as law dean, will become president of the University of Rochester July 1.

Prior to Syverud's arrival, Daniel L. Keating, J.D., WUSTL's associate dean for academic affairs and the Tyrrell Williams Professor of Law, will serve as dean.

"I am delighted that Kent Syverud has agreed to serve as dean of the School of Law," Wrighton said. "Kent has been an impressive force at Vanderbilt. His outstanding leadership and scholarship will be an integral part of Washington University School of Law's continued development as one of the nation's premier law schools."

"Kent is a very experienced academic leader, and I welcome his taking on special projects and interdisciplinary initiatives for the University, in addition to his responsibilities as law dean. I especially look forward to working with him as a member of the University Council."

Syverud is looking forward to his new post.

"Washington University has a great law school within a great university, and I am honored to be coming to St. Louis to join its faculty," Syverud said. "I love Vanderbilt and have benefited so much from my colleagues here. I hope to be a worthy steward at Washington University as well."

Syverud announced in 2003

that he was stepping down as Vanderbilt's law dean effective June 30, 2005.

"I think we succeeded in hiring the most talented law school dean candidate in the country," Keating said. "Kent Syverud has a national reputation for excellence and integrity in everything that he does."

"While he was dean at Vanderbilt Law School, Kent was particularly effective in reaching out to alumni, in recruiting and retaining the best faculty, and in strengthening Vanderbilt's career

services operation. Joel Seligman is a very tough act to follow, but I am confident that Kent will oversee another great era at the School of Law."

Keating chaired the search committee that recommended Syverud.

Among his accomplishments at Vanderbilt are the complete design, construction and fundraising for a \$24 million law school facility; and the creation of a law and business program, an L.L.M. program for foreign lawyers, and clinical programs on domestic violence and community economic development.

He also recruited 30 new faculty members and launched a \$40 million capital campaign that will conclude in June 2008.

About Kent Syverud

Syverud has established an extraordinary reputation as a scholar in legal education, complex litigation, insurance and civil procedure. He is the author of numer-

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Syverud

"I think we succeeded in hiring the most talented law school dean candidate in the country. ... Joel Seligman is a very tough act to follow, but I am confident that Kent will oversee another great era at the School of Law."

DANIEL L. KEATING

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Service award changes name to honor Virgils

BY BARBARA REA

Seven recipients of the 2005 Gerry and Bob Virgil Ethic of Service Award were honored at an April 21 ceremony for their dedication to improving the St. Louis region.

The Ethic of Service Award annually recognizes a select group of University community members who exemplify a character of service and giving to the St. Louis region.

Created last year as part of the University's commemoration of its 150th anniversary, the award was initially named the Sesquicentennial Ethic of Service Award. This year, the award was renamed to acknowledge the generous support of Geraldine J. and Robert L. Virgil and to recognize the couple's service to others.

Stephanie Kurtzman, director of community service and administrator of the award, sees the Virgil name as a perfect fit.

"The Ethic of Service Award is an inspiring testimony to the good work being done in St. Louis by members of our University community," Kurtzman said. "It is so fitting that the award be attached to the Virgils' name and their years of dedicated service to St. Louis and to Washington University."

Bob and Gerry Virgil have been outstanding citizens of both the University and St. Louis communities for decades.

Bob Virgil has held a variety of leadership positions during his long career at the University.

He led the Olin School of Business through its biggest period of growth and development when he served as dean from 1977-1993. In 1992, he was named executive vice chancellor for university relations.

The Virgils continued their joint involvement with the University after his retirement in 1993 to join Edward Jones as a general partner. Several years later, he volunteered to steer a committee to celebrate the University's 150th anniversary.

The Virgils support a number of organizations that advance the region. Gerry Virgil is a member of the Philanthropic Educational Organization and is an active supporter of Kirkwood's Meals on Wheels program and the Glendale Presbyterian Church.

Bob Virgil has been involved in a number of St. Louis organizations, including the Donald Danforth Plant Science Center, The Magic House, City Academy, Harris-Stowe State College, Mary Institute and Saint Louis Country Day School, and a citizens' task force on the Metropolitan Sewer District.

Nominations for next year's awards will be accepted until Feb. 10.

Any member of the University community who resides in and serves the St. Louis region is eligible to be nominated.

For more information on the award and to submit a nomination, go online to ethicofservice.wustl.edu or call Kurtzman at 935-9659.



Robert L. Virgil presents a 2005 Gerry and Bob Virgil Ethic of Service Award to Elinor Nelson, who works in the University's financial services department. Nelson is the founder of 2000 Feet Inc., which provides shoes for children in the St. Louis area. The award was initially named the Sesquicentennial Ethic of Service Award, but it has been renamed to acknowledge the generous support of Geraldine J. and Robert Virgil and to recognize the couple's service to others.

KEVIN LOWDER

2005 Gerry and Bob Virgil Ethic of Service Award recipients

BY NEIL SCHOENHERR

The following members of the University community were honored April 21 as recipients of the University's 2005 Gerry and Bob Virgil Ethic of Service Award.

Stacy Brock, a senior majoring in psychology and in educational studies, both in Arts & Sciences, established and manages a tutoring program at the Jackie Joyner-Kersey Boys and Girls Club in East St. Louis.

Brock not only runs the program, but she also works to educate University students on social issues in an attempt to create an understanding of her program's mission.

Jami Crespo is a senior majoring in Spanish and social thought and analysis, both in Arts & Sciences.

She has served as an executive board member for Dance Marathon and as a program leader for Campus Y's WUSTL HOPE (HIV Outreach, Prevention and Education). Crespo's involvement in WUSTL HOPE has led her to coordinate and teach HIV-education programs for her peers and St. Louis community members.

This year, Crespo also directed the *A.I.D.S. Show* (Artistic Interpretation Designed to Stimulate), a variety show that raised campus and community awareness.

Maria Esser, a 1984 alumna of the School of Engineering & Applied Science, was selected for her work organizing and mentoring students to run the Washington University Marrow Registry.

In 2001, she helped launch the Million Marrow Donor Program, which added 2,500 donors with its first drive. She has assisted with marrow drives at the University and helped to found B Positive, an organization the hosts drives and educates the public on bone marrow diseases.

In 1993, **Bob Hansman**, associate professor of

architecture, started a small program for children who were living in poverty in St. Louis to teach them how to draw and paint. In 1999, he began the Hewlett Program in Architecture, which introduces undergraduate students — particularly incoming freshmen — to cultural and social aspects of St. Louis.

Hansman received a World of Difference Award in 1996, and a Missouri Arts Award and an award from Colin Powell's "America's Promise" campaign in 1999.

Sara Lawlyes, a School of Law student, serves as a regional alumni coordinator for Teach For America and is considering working for the Teach For America organization after graduation.

Through her position as chair of the community service committee of the Student Bar Association, she has coordinated many projects, including the law school's blood drives, Public Service Fair, holiday giving tree and a team for Relay For Life.

For more than 25 years, **Elinor Nelson** has worked in the University's financial services department as a grant analyst.

In addition to her work at the University, Nelson is active in the community and in her church. In 2000, she founded 2000 Feet Inc., which provides shoes for children in the St. Louis area. After nearly five years, 2000 Feet has provided 652 children with shoes.

As the associate dean for diversity, director of the Office of Diversity Programs, and assistant professor of medicine in the Renal Division in the School of Medicine, **Will Ross**, M.D., promotes cultural diversity throughout the Medical Campus. A longtime advocate of public health and health care for the medically underserved, he has produced educational videos, public service announcements and monographs on eliminating health-care disparities.

Ross was awarded the "Humanism in Medicine Award" by the medical school in 2001.

"The Ethic of Service Award is an inspiring testimony to the good work being done in St. Louis by members of our University community. It is so fitting that the award be attached to the Virgils' name and their years of dedicated service to St. Louis and to Washington University."

STEPHANIE KURTZMAN

Chancellor's Concert to be staged by chamber choir & symphony orchestra

BY LIAM OTTEN

The Washington University Symphony Orchestra and the Washington University Chamber Choir will present the 2005 Chancellor's Concert at 3 p.m. May 1 in Graham Chapel.

The program, which will include works by Hector Berlioz, Felix Mendelssohn and Ottorino Respighi, will highlight two recently acquired instruments — a harp and grand piano — as well as Graham Chapel's newly restored Roland Quest organ.

Dan Presgrave, instrumental music coordinator in the Department of Music in Arts & Sciences, conducts the 75-member symphony orchestra. John Stewart, director of vocal activities, conducts the 65-member Chamber Choir.

The program will open with Berlioz's *Roman Carnival Overture* (1844), which contains music from his opera *Benvenuto Cellini* (1838), about the Italian goldsmith and sculptor. Renowned Berlioz scholar Hugh Macdonald, Ph.D., the Avis H. Blewett Professor of Music, noted that "of all Berlioz's overtures, *Roman Carnival* is the one that best reveals his brilliant, in fact breathtaking, orchestral gifts."

The program will continue with Mendelssohn's *Cantata Die Erste Walpurgisnacht*, op. 60, with texts based on an early study of the Faust story by Johann Wolf-

gang von Goethe.

Stewart selected the piece, which includes a frenetic witches' dance, to coincide with the date of the concert: According to German legend, "Walpurgisnacht" is a nocturnal gathering of witches that takes place on the eve of May Day.

The program will conclude with Respighi's *The Pines of Rome* (1923-24), which musically depicts four stands of pine trees located throughout that city. Notably, the piece employs the University's three new instruments, as well as eight trumpets with full orchestra.

Its famous finale, "The Pines of the Appian Way," dramatically reproduces the pounding footsteps of the Roman Army.

The new harp — a gift from alumna Audrey Senturia — was selected by Sue Taylor, Ph.D., instructor in applied music, at Lyon & Healy in Chicago, the nation's most renowned maker of harps. The instrument, known as the "orchestral model," was chosen for both its brilliant tone and its suitability for harp students.

The chapel's organ made its debut in January. The 9-foot Steinway grand piano was recently acquired thanks to a gift from Priscilla McDonnell, former president of WUSTL's Friends of Music.

The Chancellor's Concert is free and open to the public. For more information, call 935-4841.

Work-study seminars offered for employers

BY ANDY CLENDENNEN

Each year, the Office of Student Financial Services holds a meeting for federal work-study employers, of which the University is one.

The University receives money from the U.S. Department of Education to operate a work-study program on campus.

The benefit to the University is the ability to use both departmental funds and government funds to pay eligible student workers.

This year's meeting schedule is:

- Medical Campus: 9:30-11 a.m. May 4, Human Resource Building (4480 Clayton Ave.), Room 1140A.
- Hilltop Campus: 9:30-11 a.m. May 12 and 9:30-11 a.m. June 2, both in Anheuser-Busch Hall, Room 305.

A reservation is required and should be e-mailed to greg_keller@aismail.wustl.edu.

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Washington University in St. Louis

School of Medicine Update

Cicero to step down after decade as vice chancellor for research

BY JIM DRYDEN

Theodore J. Cicero, Ph.D., vice chancellor for research, will step down in June 2006 after a decade of leading the University's research enterprise.

Before his appointment as the head of research for the University, Cicero served as vice chairman for research in the Department of Psychiatry, and he will return to that position next summer.

Cicero will spend the next year making the transition from heading the office that coordinates the research efforts of the entire University to focusing on his own research.

Chancellor Mark S. Wrighton said he plans to appoint an advisory committee this summer to identify candidates who might succeed Cicero.

"Ted Cicero has served Washington University extraordinarily well as vice chancellor for research," Wrighton said. "During his tenure in the position, he has significantly strengthened our research infrastructure, launched the Office of Technology Management and contributed to the development and implementation of policies governing all aspects of our research program."

"He has also been a national leader, and this community owes Ted a great debt for his remarkable service to strengthen the quality and impact of our research enterprise. I wish him all the best as he continues his distinguished career here."

Since Cicero became vice chancellor for research in 1996, the University's research enterprise has greatly expanded.

In fiscal year 1996, total University research funding was just more than \$244 million. Since then, funding has more than doubled, with research support reaching almost \$535 million in fiscal year 2004.

"I believe that growth has more to do with talented faculty than with any work on my part," Cicero said. "But I hope our efforts have made it somewhat easier for faculty to do their research."

He also led the successful effort to gain voluntary full accreditation from the federal government for University research with human subjects.

In the mid-1990s, Cicero managed the revamping of a decentralized and inadequate animal-care program that was impeding animal research at the University. Streamlining and improving that program culminated in full accreditation in 1996 of what many now believe is the country's best animal-care and use program.

Another area of focus has involved technology transfer.

Cicero's office has worked to improve the capacity to identify research with commercial potential. He built a staff better able to assist faculty in



Cicero

applying for patents, identifying avenues of seed capital, approaching industry about licensing discoveries and launching start-up businesses.

Since Cicero became vice chancellor for research, patent applications have tripled to a total of 117 in 2004.

In addition, the number of licensing agreements negotiated between the University and private industry has tripled, and the University's income from those agreements has grown six-fold.

Known for his consensus building, Cicero has often drawn on the faculty's intellectual creativity. When he was developing the University's technology transfer policy, for example, he appointed a 26-member committee of faculty from every school at the University so the policy would address as many of the faculty's key concerns as possible.

"When something needs to be accomplished, it is imperative to get the faculty on board," Cicero said. "My job has been to preserve the integrity of the University's entire research program and to insist on the highest ethical standards, while also easing the

administrative burden on our investigators. Making sure everyone is on the same page has been essential to any successes we've enjoyed."

Cicero came from Purdue University to Washington University in 1968 as a postdoctoral fellow in neurochemistry in the Department of Psychiatry.

In 1970, he became an assistant professor of psychiatry, eventually becoming a full professor in 1978 and a professor of neurobiology in the Department of Anatomy and Neurobiology in 1982.

Since 1991, Cicero has also served as the associate vice chancellor for animal affairs and associate dean at the medical school.

Cicero's research investigates the effects of drugs in the brain and has done a great deal of work testing various drugs for abuse potential.

He's also used animal models to study drug effects on sex hormones and the role of sex steroids in brain development, opioid analgesic tolerance and physical dependence.

Those studies have led to numerous findings suggesting different drugs affect males and females differently and that sex steroids modulate these differences.

Although he's made some exciting discoveries, Cicero said he's ready to return to his own research.

"As we saw recently with Vioxx, when drugs are approved, sometimes it's a few years before we know about their adverse event profile including their abuse potential," he said.

"I plan to devote a great deal of my future research to those public health aspects of drug approval and monitoring for abuse in an effort to develop risk-management strategies."

He also added that his prior experience as chairman of a Food and Drug Administration advisory committee, along with his consultation with drug companies, provide him with both perspectives, allowing him to better develop appropriate risk-benefit ratios.



ROBERT BOSTON

Sharing knowledge Faculty, staff and students enjoy the "Managing Knowledge in the Digital Domain" symposium sponsored by the Bernard Becker Medical Library. The April 19 event highlighted issues impacting the sharing of knowledge and the many roles the Becker library plays in facilitating access to information. Speakers discussed technology, scholarly publishing and copyright law in the Kenton King Center, while demonstrations in the library atrium showcased the library's impact on research, education, patient care, scholarly publishing and Web connections.

Loeb fellows program seeks nominations

The School of Medicine is seeking nominations for the Loeb Teaching Fellows Program.

The program was recently established by a gift from Mr. and Mrs. Jerome Loeb to honor local physicians committed to clinical excellence, and to encourage teaching that excellence to residents and medical students.

Two Loeb fellows will be selected from the clinical or investigator-track faculty at the medical school. In addition, two other fellows will be chosen from the voluntary clinical faculty,

thanks to support from the BJH Foundation.

The first Loeb teaching fellows will be appointed Sept. 1. Appointments will be for two-year terms, with annual review and renewal, and successful fellows may reapply for an additional two-year term.

Fellows will receive \$50,000 annually to allow for significant time to be dedicated toward teaching clinical medicine.

Nominees must have a record of excellence in patient care and clinical teaching. The following criteria will also be considered:

- Loeb fellows will meet new or unmet clinical teaching needs for residents and medical students. They should invest time in both teaching and curriculum development, with direct teaching allotting for a substantial portion of the fellowship.

- Faculty members who already have substantial teaching commitments should describe plans to improve or expand current educational activities.

- Innovation in teaching methodologies or programmatic development is desirable, and selected fellows will participate in seminars, retreats and faculty development programs.

Fellowship applications must include a written description (no more than two pages) of the applicant's teaching and curriculum development plan that addresses the above requirements, including the number of learners expected to benefit as well as a description of expected outcomes.

Applicants should also include a CV, documentation of excellence in clinical care and teaching and a nomination letter from their department head, which includes a delineation of time dedicated toward the fellowship.

Applications are due May 27 to the Office of Medical Student Education, Campus Box 8073.

For details, call 362-7800 or e-mail witzelc@msnotes.wustl.edu.

Kelly named alumni professor of cardiovascular diseases

BY GILA Z. RECKESS

Daniel P. Kelly, M.D., director of the Center for Cardiovascular Research and co-director of the Cardiovascular Division, was recently named the Alumni Endowed Professor of Cardiovascular Diseases.

Kelly is internationally known for his research on the molecular basis of the heart's metabolism, or how the heart obtains energy to function.

As director of the Center for Cardiovascular Research, he has helped establish an interdisciplinary effort in which University researchers from a wide range of disciplines combine their expertise to investigate the biologic processes underlying heart disease.

"Dr. Kelly's distinguished research accomplishments and his superb efforts to foster collaborations within the medical school and with the Hilltop Campus have helped establish our institution's respected reputation in cardiology," said Larry J. Shapiro, M.D., executive vice chancellor for medical affairs and dean of the medical school.

"The medical school is extremely grateful for the generosity of its alumni and friends in



Larry J. Shapiro, M.D. (left), executive vice chancellor for medical affairs and dean of the medical school, and Chancellor Mark S. Wrighton install Daniel P. Kelly, M.D., as the Alumni Endowed Professor of Cardiovascular Diseases.

helping us attract and retain renowned physician-scientists like Dan Kelly."

Most recently, Kelly, also a professor of medicine, of molecular biology and pharmacology and of pediatrics, launched an initiative to plan a center for researching the cardiovascular effects of metabolic disorders such as diabetes.

Funded by the National Insti-

tutes of Health's Roadmap for Medical Research, the project brings together 13 departments at the University, as well as other experts in Missouri.

It reflects the medical school's strategic BioMed 21 initiative, which is dedicated to rapidly bringing advances in basic science to the patient's bedside.

"Dr. Kelly is an extraordinary

physician-scientist who is nationally and internationally recognized as a genuine authority in the field of molecular genetics of cardiac metabolism and who epitomizes the power of bench-to-bedside research," said Michael E. Cain, M.D., the Tobias and Hortense Lewin Professor of Cardiovascular Diseases and director of the Cardiovascular Division.

"He has exhibited outstanding leadership, recruited talented faculty and created a unique multidisciplinary research environment that integrates faculty from diverse divisions and departments."

Kelly joined the School of Medicine in 1989, after completing his postgraduate research and clinical training at the University and Barnes Hospital.

His numerous awards and honors include the Midwest American Federation of Medical Research Outstanding Investigator Award and the American Heart Association's Established Investigator Award.

Kelly has also been elected to several prestigious organizations, including the American Society for Clinical Investigation, the Association of American Physicians and the Association of University Cardiologists.

University Events

76th Fashion Design Show at Galleria

BY LIAM OTTEN

The Sam Fox School of Design and Visual Arts will present The 76th Annual Fashion Design Show May 1 at Saint Louis Galleria.

The fully choreographed, Paris-style extravaganza will feature dozens of professional and volunteer models wearing more than 100 outfits created by 13 seniors and five juniors from the school's fashion design program.

Festivities will begin with a reception at 7:30 p.m. in the Galleria's Garden Court, near the entrance to Lord & Taylor.

The hour-long show will start at 8 p.m., followed by a dessert reception for the designers and audience, during which many of the featured couture creations will be available for purchase.

Emphasis on design

Jeigh Singleton, head of the fashion design program, compared the show to a Broadway-style revue, filled with lights, music, drama and, of course, glamorous costumes.

Clothing — selected by a jury of University faculty and professional designers — will range from suits and sportswear to dress groups inspired by fashionable cities, and opera coats on the theme of "Blues in the Night."

The show will also highlight the seniors' signature collections, each a fully coordinated clothing line tailored to a specific audience and based on a specific theme.

"This is a fashion design show, emphasis on 'design,'" Singleton said. "There's a definite learning experience associated with each project. What is a collar? What is a sleeve? How do you make a waistband or underline a garment? How do you create shapes and how do they affect a garment's structure?"

For example, "the juniors did brown suits, but it wasn't about the color brown and it wasn't

about suits. It was about learning to cut fabric, to make patterns, to structure silhouettes.

"The end result may look fabulous, but the point is to master a particular set of skills and a particular way of thinking."

As in past years, the show will conclude with a single student-designed wedding dress, chosen by competition. This year's juror was fashion alumna Kristin McDonough, who has worked for Anne Taylor and Calvin Klein. The winning dress, by senior Barbara Moran, features an ambitious seam scheme inspired by Pablo Picasso's cubist painting *Three Women* (1907-08).

Last year, approximately 500 people attended the event, raising about \$50,000.

Organizers, co-sponsors

The event is chaired by 1976 alumna Susan Block.

"Susan is the real force behind the show," Singleton said. "She knows how to get things done. She took what had been a small, traditional event and transformed it into the big, glamorous production it is today."

This year marks the show's 11th appearance at the Galleria. For the 13th year, the models' hair will be done by Dominic Bertani of the Dominic Michael Salon.

Other organizers include Michael O'Keefe of Technical Productions and Gretchen Hafferkamp of Premiere Rentals. The models' makeup will be done by MAC.

Outfits are modeled by professionals and — in a new twist this year — by an exclusive group of male supporters of the fashion program. Show coordinator Jane Kairuz explained that what began as kidding among colleagues became a unique way to raise funds.

"Over the years, several of my doctor friends have asked why they're not in the show," Kairuz

said. "So this year I invited them."

The volunteers, each of whom donated \$1,000 to the fashion program, will wear their own tuxedos and accessories, and will receive a photograph and a video of their modeling debut to share with family and friends.

Outstanding student designers receive a variety of scholarships, cash prizes and awards, including the Dominic Michael Silver Scissors Designer of the Year Award, presented to one outstanding senior at the end of the evening, and the Silver Ripper Award, sponsored by Block. This year, Kairuz will present a new award: the Coordinator's Choice for Most Inspiring Designer.

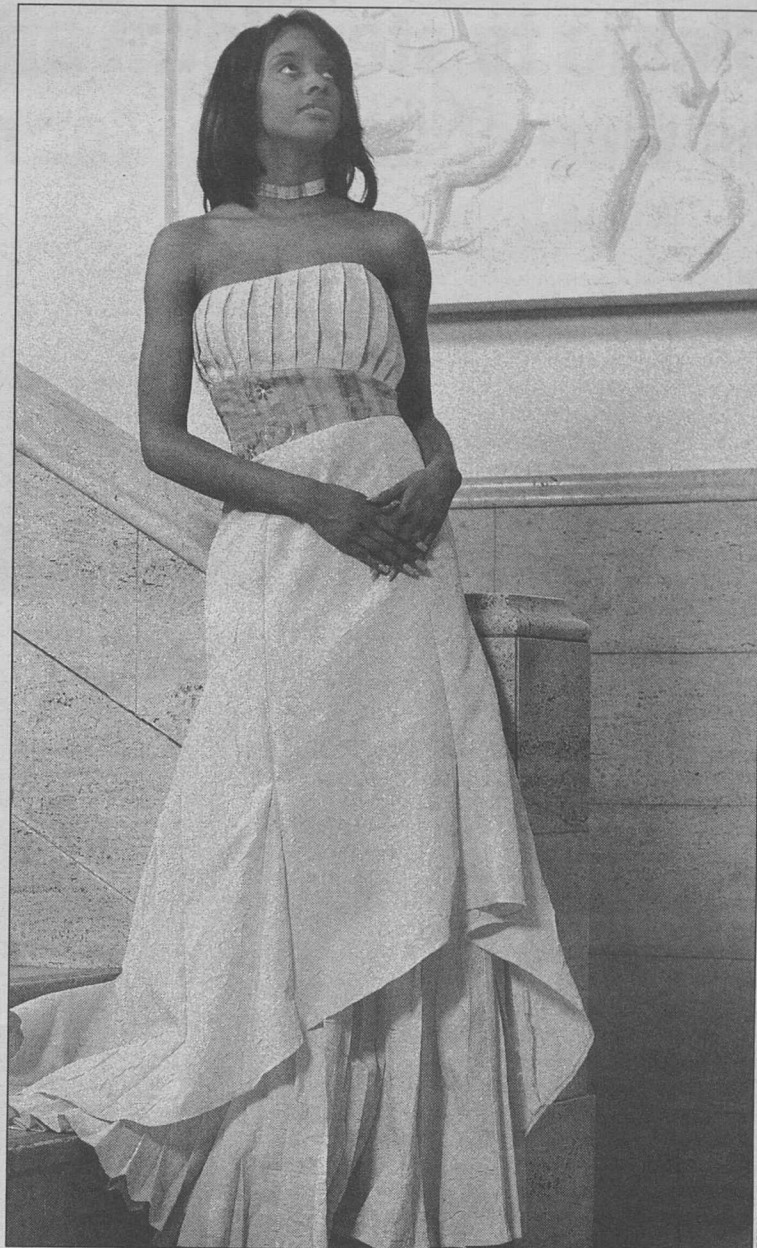
"Every year, there is one designer who inspires me in producing the show," Kairuz said. "Sometimes it's their attitude, sometimes it's a particular outfit or collection, sometimes it's just their skill at sewing or construction. I wanted to recognize that person."

Fashion design at WUSTL

The Fashion Design Show dates back to 1929, when Irving L. Sorger — the merchandise manager for Kline's, a tony St. Louis department store — organized a show of student work for local garment manufacturers. Eight dresses were selected for production, sales surpassed all expectations, and juniors' fashions became a staple of the city's burgeoning garment industry.

In 1941, WUSTL became home to what is believed to be the nation's first four-year, degree-granting fashion program. Alumni include major designers such as Paula Varsalona and Carolyn Roehm.

Recent graduates work for major fashion houses and clothing retailers, including Ralph Lauren, Tommy Hilfiger, Calvin Klein, Christian Dior, Nanette



This ball gown, designed by senior Ashton Vines, will be among the couture creations on display at The 76th Annual Fashion Design Show May 1 at Saint Louis Galleria. The fully choreographed, Paris-style extravaganza will feature dozens of professional and volunteer models wearing more than 100 outfits created by 13 seniors and five juniors from the school's fashion design program.

Lepore, Lilly Pulitzer, Nike, Lands' End, Fittigues, Lane Bryant, The May Co. and Federated Department Stores.

General admission to the show is \$50, \$25 for students. Tickets are available through the Edison

Theatre Box Office, 935-6543, and at the Galleria concierge service center. A limited number of tickets will be available at the door.

For more information, call the 24-hour hotline at 935-9090.

Health Disparities in Diabetes • On Love and Money • The Secret Life of Slicer

"University Events" lists a portion of the activities taking place April 29-May 12 at Washington University. Visit the Web for expanded calendars for the Hilltop Campus (calendar.wustl.edu) and the School of Medicine (medschool.wustl.edu/calendars.html).

Exhibits

Wednesday, May 11

Bachelor of Fine Arts Student Show. Through May 20. Kemper Art Museum. 935-4523.

Film

Saturday, April 30

Noon. Film & Media Studies Children's Film Symposium Presentation. *Piglet's Big Movie* and *The Powerpuff Girls' Mo Linguish*. (2:15-4 p.m. panel discussion.) Co-sponsored by the Center for the Humanities and the Program in Children's Studies. Brown Hall, Rm. 100. 935-5576.

Lectures

Friday, April 29

9:15 a.m. Pediatric Grand Rounds. Annual J. Neal & Lois Middlekamp Lecture. "Trying to Understand Persistent Bacterial Infection." Stanley Falkow, Robert W. & Vivian K. Cahill Professor of Microbiology & Immunology, and of medicine, Stanford U. Clopton Aud., 4950 Children's Place. 454-6006.

Noon. Cardiothoracic Surgery Lecture. Annual Ferguson Lecture. "New Developments in the Surgical Management of Mitral Valve Regurgitation." Hartzell

Schaff, chairman, div. of cardiovascular surgery, Mayo Clinic, Rochester, Minn. Barnes-Jewish Hosp. Bldg., East Pavilion Aud. 362-7327.

Noon. Cell Biology & Physiology Seminar. "Argonaught: The Secret Life of Slicer." Gregory Hannon, Watson School of Biological Sciences, Cold Spring Harbor Lab. McDonnell Medical Sciences Bldg., Rm. 426. 362-4690.

12:30-4 p.m. St. Louis STD/HIV Prevention Training Center CME Course. "STD Update." (Continues April 29 & May 6.) Cost: \$75. U. of Mo.-St. Louis, South Computer Bldg., Rm. 200A. To register: 747-1522.

2-4 p.m. Academic Publishing Services Workshop. "Strategies for Manuscript Publishing: Going Beyond the Abstract — How to Write a Winning Paper." Cost: \$50 for faculty & staff, \$35 for fellows, residents, postdocs & students. Cori Aud., 4565 McKinley Ave. To register: 747-4656.

3 p.m. Film & Media Studies Children's Film Symposium Keynote Address. Betsy Hearne, prof. of library & information science, U. of Ill. Co-sponsored by the Center for the Humanities and the Program in Children's Studies. Women's Bldg. Formal Lounge. 935-5576.

Monday, May 2

Noon. Molecular Biology & Pharmacology Seminar. "The Language of Diplomacy: The Establishment of the Squid-Vibrio Symbiosis." Margaret McFall-Ngai, prof. of medical microbiology and immunology, U. of Wisc. South Bldg., Rm. 3907. Philip Needleman Library. 362-0183.

Noon. Neurology Monday Noon Seminar Series. "Anti-AB Antibody Attenuates Cognitive Impairment in a Model of Experimental Traumatic Brain Injury." David L. Brody, instructor in neurology. Maternity Bldg., Schwarz Aud. 747-3243.

Tuesday, May 3

11 a.m. Center for the Study of Ethics and Human Values Lecture. "A Conversation with Huston Smith." Huston Smith, author. (Dedication ceremony follows) Women's Bldg. Formal Lounge. 935-9358.

Noon. Program in Physical Therapy Research Seminar. 4444 Forest Park Blvd., Lower Lvl., Rm. B108/B109. 286-1404.

Wednesday, May 4

Noon. George Warren Brown School of Social Work Spring Lecture Series. "On Love and Money; The Health Economics of Aging Parents." Kenneth Langa, asst. prof. of internal medicine, U. of Mich. Brown Hall, Rm. 124. 935-6661.

4 p.m. Biochemistry & Molecular Biophysics Seminar. "Role of Protein Dynamics in Enzymatic Catalysis: Lessons From Human Detoxification Enzymes." Gordon S. Rule, prof. of biological sciences, Carnegie Mellon U. Cori Aud., 4565 McKinley Ave. 362-0261.

Thursday, May 5

Noon. Center for Health Policy Ethnic and Racial Disparities in Health Care Seminar Series. "Health Disparities in Diabetes." Wendy Auslander, prof. of social work. Simon Hall, Rm. 241. 935-9108.

Friday, May 6

2-4 p.m. Academic Publishing Services Workshop. "Strategies for Manuscript Publishing: Creating Figures, Tables, and References, and Considering Copyright and Ethics." Cost: \$50 for faculty & staff, \$35 for fellows, residents, postdocs & students. Cori Aud., 4565 McKinley Ave. To register: 747-4656.

3 p.m. Physics & Center for Materials Innovation Seminar. "Mechanisms and Effects of Microbial Metal Reduction." Tyrone L. Daulton, dir., marine geo-

sciences — electron microscopy facility, Stennis Space Center, Miss. (2:45 p.m. coffee.) Compton Hall, Rm. 241. 935-9305.

Saturday, May 7

7 a.m.-noon. Allergy & Immunology CME Course. "Asthma in the Inner City and Suburbia." Cost: \$95 for physicians, \$75 for allied health professionals. Eric P. Newman Education Center. To register: 362-6891.

Monday, May 9

Noon. Neurology Monday Noon Seminar Series. Hope Center Prize Presentations. "Novel Insights Into the Mechanism of Neurodegeneration in Menkes Disease: Copper-dependent Excitotoxic Neuroprotection." Michelle Schlieff, graduate student in pediatrics, in genetics & genomics and in medicine; "Activation of C-Jun N-terminal Kinase Decreases Proteasome Activity." Shengzhou Wu, postdoctoral research scholar in neurology. Maternity Bldg., Schwarz Aud. 747-3243.

Wednesday, May 11

4 p.m. Biochemistry & Molecular Biophysics Seminar. "Control of Sugar Kinase/hsp70/actin Superfamily Catalysis: Does Coupling of a Distal Allosteric Binding Site to the Conserved ATPase Core Involve Tuning of a Backbone Motion?" Donald W. Pettigrew, prof. of biochemistry & biophysics, Texas A&M U. Cori Aud., 4565 McKinley Ave. 362-0261.

Music

Sunday, May 1

3 p.m. Chancellor's Concert. Washington University Chamber Choir and Symphony Orchestra. Graham Chapel. 935-4841.

On Stage

Friday, April 29

8 p.m. OVATIONS! Series. *Mystical Arts of Tibet: Sacred Music, Sacred Dance*. (Also 8 p.m. April 30.) Cost: \$28, \$24 for senior, WUSTL faculty & staff, \$18 for students and children. Edison Theatre. 935-6543.

8 p.m. Performing Arts Department Presentation. *Six Seconds in Charlack* by Brian Golden, winner of the A.E. Hotchner Student Playwriting Competition. Jeffrey Matthews, dir. (Also 8 p.m. April 30, 2 p.m. April 30 & May 1.) Cost: \$12, \$8 for seniors and WUSTL faculty, staff and students. Mallinckrodt Student Center, A.E. Hotchner Studio Theatre. 935-6543.

Saturday, April 30

11 a.m. ovations! for young people Series. *Mystical Arts of Tibet*. Cost: \$7. Edison Theatre. 935-6543.

Friday, May 6

8 p.m. OVATIONS! Series. *The Passing Zone*. (Also 8 p.m. May 7.) Cost: \$28, \$24 for seniors & WUSTL faculty & staff, \$18 for students and children. Edison Theatre. 935-6543.

Sports

Saturday, May 7

Noon. Softball vs. McKendree College. WUSTL Field. 935-4705.

And more...

Friday, April 29

3 p.m. Film & Media Studies Children's

Flying chainsaws!

'The Passing Zone' extreme jugglers at Edison May 6-7

BY LIAM OTTEN

From clubs and machetes to bowling balls and members of the audience, Owen Morse and Jon Wee — collectively known as "The Passing Zone" — boldly juggle what few jugglers have juggled before.

Morse and Wee will bring their trademark mix of sidesplitting comedy and gut-wrenching suspense to the Edison Theatre OVATIONS! Series with performances at 8 p.m. May 6-7.

Morse and Wee began juggling as teenagers and were introduced by a mutual friend in 1986, while Wee was attending Luther College and Morse was at University of California, Irvine. The duo met again the following year at the International Jugglers' Association (IJA) convention in Akron, Ohio.

They began performing professionally in 1988, making their debut at the IJA Team Championships in Denver.

Over the years, Morse and Wee have earned a reputation as the world's funniest, and most ambitious, juggling duo. They've collected five world records and 18 gold medals from the IJA — more than any other team.

At the same time, their heart-stoppingly hilarious repertoire

ranges from "The Chainsaw Ballet" — a graceful marriage of silk tights and power tools — to "People-Juggling," in which three members of the audience, dressed as astronauts, fly about the stage to the theme from *2001: A Space Odyssey*.

The Passing Zone has been featured at comedy clubs across the nation and on dozens of television programs, including *The Tonight Show*, *The Today Show*, *Live With Regis & Kathie Lee* and *The Miss America Pageant*.

Morse and Wee have performed with Bob Hope, Tony Bennett, Bob Newhart, Penn & Teller and "Weird Al" Yankovic, among many others.

A performance for England's Prince Charles prompted him to remark, "Very clever, although I'm glad I wasn't sitting in the front row!"

Edison Theatre programs are supported by the Missouri Arts Council, a state agency, and the Regional Arts Commission, St. Louis.

Tickets are \$28; \$24 seniors and WUSTL faculty and staff; and \$18 for students and children. Tickets are available at the Edison Theatre Box Office and through all MetroTix outlets.

For more information, call 935-6543.

Physics' Bender to give related lecture

In conjunction with the performance, Carl M. Bender, Ph.D., professor of physics in Arts & Sciences, will present a seminar on "Juggling and the Mechanics of Instability," which will examine "the underlying principles that account

for the strange behavior of objects in motion."

The talk will be at 10 a.m. May 7 in Crow Hall, Room 204, and is free and open to the public.

For more information, call 935-6543.



Chainsaw jugglers Owen Morse and Jon Wee, collectively known as "The Passing Zone," will bring their trademark mix of sidesplitting comedy and gut-wrenching suspense to Edison Theatre with performances at 8 p.m. May 6-7.



At an April 20 ceremony in Francis Gymnasium, Chancellor Emeritus William H. Danforth (left) presents the full-tuition Elizabeth Gray Danforth Scholarship to Shahrouz Yousefi, a graduate of Forest Park Community College, who spoke no English when he emigrated from Iran just three years ago. He now plans to study electrical engineering. "This is the most wonderful day of my life," he said. "... I will never forget your kindness and generosity to me."

Women's Society hands out annual awards

BY ANDY CLENDENNEN

At The Women's Society of Washington University's annual meeting, student awards are presented recognizing leadership and academic achievement. A highlight of the program is the announcement of the Elizabeth Gray Danforth Scholarship recipient.

This year was not an ordinary year. On April 20, the Women's Society celebrated its 40th anniversary with a special luncheon in Francis Gymnasium. Past society presidents and honorees joined current members and society board members for the awarding of the 30th Danforth Scholarship and the eighth set of leadership awards.

President JoAnn Sanditz said this year's scholarship presentation "is filled with deep emotion as we join Bill Danforth and his family in mourning the loss of dear 'Ibby' and pay tribute to her."

"She always experienced such joy in meeting her scholar each year," Sanditz said of Elizabeth Danforth, who died March 30. "She has left the Women's Society a legacy of genuine concern for others, commitment to service, enthusiasm for lifelong learning, and an inspirational dedication to the people she loved and the causes in which she believed."

"Our tribute to Ibby is our commitment to move into the future with her values and qualities at the forefront of the Women's Society."

Chancellor Emeritus William H. Danforth joined Sanditz in presenting the full-tuition Danforth Scholarship, which is awarded to an outstanding community-college transfer student and is named in honor of his wife for her decades of contributions to the University.

This year's recipient is **Shahrouz Yousefi**, a graduate of Forest Park Community College who emigrated from Iran just three years ago, speaking no English and knowing no one here.

In Iran, he was not allowed to attend college and was fired from his job because he was not Muslim. He now plans to study electrical engineering.

"This is the most wonderful day of my life," he said in receiving the award. "... I will never forget your kindness and generosity to me."

Women's Society Leadership Awards were presented to Laura M. Seger and Teresa A. Sullivan.

The award recognizes one or more graduating senior women who have contributed significantly to the University community. Nominees must have demonstrated effectiveness in service to others and exceptional potential for future leadership.

Awardees receive a cash award of \$500 and a silver clock inscribed with a quote from Virginia

Woolf: "I should remind you how much depends upon you and what an influence you can exert upon the future."

Seger will graduate with a double major in biomedical engineering in the School of Engineering & Applied Science and philosophy in Arts & Sciences; a master's degree in mechanical engineering; and a graduate certificate in biomedical engineering, all in five years.

Seger has also distinguished herself by reaching across academic and social barriers to create an extraordinary legacy of achievements.

She organized and found funding for what became the Washington University Marrow Registry. More than 1,000 people have entered the registry, with at least 15 lives saved as a direct result.

Seger has also served as a member of the Institutional Review Board for approval of human studies at the School of Medicine, and she has been on a team developing a pain inventory for cancer patients.

She has been a leader in the development of the Center for the Study of Ethics and Human Values, helping to organize a national forum on medical malpractice reform, among other activities.

Seger also plays the flute in the University orchestra and the St. Louis Wind Symphony.

Sullivan will graduate with bachelor's degrees in international studies and in Spanish, both in Arts & Sciences. She has been a dynamic force in seeking opportunities to enhance her experience at the University.

She has served as a community service adviser, assisting students with their community service options; taught English as a second language; been a tutor coordinator for the Cambios tutoring program, an organization serving Latino adolescents in the St. Louis area; and founded the St. Louis Project Democracy, which coordinates voter mobilization efforts on campus and builds coalitions.

In 2004, Sullivan was selected to be the University's lead intern for Project Democracy at the national level.

Although there were specific guidelines to follow, through her creativity and willingness to experiment, Sullivan demonstrated impressive skills in motivating people to participate in the process. Under her leadership, Project Democracy at WUSTL has become the most successful chapter in the country.

Sullivan is a residential adviser and serves as one of two undergraduate representatives to the University's Board of Trustees and to several of the board's standing committees.

Religion scholar Huston Smith to speak May 3

BY LIAM OTTEN

The Center for the Study of Ethics and Human Values will present "A Conversation With Huston Smith" at 11 a.m. May 3 in the Women's Building Formal Lounge.

Smith, who taught philosophy in Arts & Sciences at WUSTL from 1947-1958, is a renowned scholar of world religions.

The author of 14 books, he is perhaps best-known for *The*

World's Religions (published in 1958 as *The Religions of Man*), a still-widely used textbook that has sold more than 2 million copies and has been translated into 12 languages.

The forum will be moderated by Beata Grant, Ph.D., professor and director of Religious Studies and professor of Chinese, both in Arts & Sciences. Dedication of the Huston Smith Meditation Garden, located on the north side of Graham Chapel, will immediately follow.

atly follow.

In 2001, Smith's *Why Religion Matters* won the Wilbur Award for the best book on religion. In 1996, Bill Moyers devoted a five-part PBS special, *The Wisdom of Faith With Huston Smith*, to his life and work.

Smith's own film documentaries on Hinduism, Tibetan Buddhism and Sufism have all won international awards, while *The Journal of Ethnomusicology* lauded his discovery of Tibetan multi-

phonic chanting as "an important landmark in the study of music."

Smith is the emeritus Thomas J. Watson Professor of Religion and Distinguished Adjunct Professor of Philosophy at Syracuse University. He previously served as professor of philosophy at Massachusetts Institute of Technology for 15 years.

Most recently, he served as a visiting professor of religious studies at the University of California, Berkeley.

The forum and dedication are free and open to the public. For more information, call 935-9358.

Film Symposium. Storytelling with Betsy Hearne, prof. of library & information science, U. of Ill. Co-sponsored by the Center for the Humanities and the Program in Children's Studies. Women's Bldg. Formal Lounge. 935-5576.

Sunday, May 1

8 p.m. Sam Fox School of Design & Visual Arts Fashion Design Show. (7:30 p.m. reception.) Cost: \$50, \$25 for students. St. Louis Galleria Garden Court. 935-9090.

Friday, May 6

5-7 p.m. Kranzberg Illustrated Book Studio Annual Open House. West Campus, Kranzberg Illustrated Book Studio. 935-5495.

Sit-in

Advisory committee to be established

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Services Contracts.”

• In addition to the existing University requirement that service contractors have fair and consistent internal grievance procedures, the University will ensure that service contractors provide their employees with the opportunity to present grievances to a neutral and independent person, such as an ombudsperson.

• The University will establish an advisory committee composed of students, faculty and administrators that will meet periodically to review how service contractor selections and renewals are made.

In addition, once the sit-in ended, the University planned to address these issues:

• The participation SWA may have in the above-mentioned efforts to identify what additional resources might be available to address the ongoing needs of lower-paid service workers, and on the advisory committee that will meet periodically to review how service contractor selections and renewals were made.

• James E. McLeod, vice chancellor for students and dean of the College of Arts & Sciences, will work with individual students and administrators to resolve issues related to violations of the University's Judicial Code in connection with the sit-in and hunger strike.

• McLeod will also work with individual students and faculty members to address issues related to missed classes and exams and make-up work. Final decisions will remain with the faculty.



Livin' the magic More than 100,000 people attended the annual Thurtene Carnival April 16-17 in the Athletic Complex parking lot. This year's carnival was themed "Dream Big: Live the Magic!" Thurtene is the oldest and largest student-run carnival in the nation. Proceeds from the event, which featured games, rides, food and student productions, will benefit Lift for Life, a nonprofit organization that provides St. Louis city at-risk children the tools they need to develop their character, intellect and ambition through educational and recreational programs. More than 50 student organizations participated in the carnival, presented by members of the Thurtene Honorary, 13 juniors who bear sole responsibility for continuation of the tradition.

Antibody

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plications or death.

Antibodies typically work by attaching to a piece of a foreign cell or substance, which causes immune-system cells known as macrophages to pick up the substance and clear it from the body.

Binding to the invader is just the beginning of the battle, though. Some antibodies bind to invaders in ways that fail to slow down the invader or trigger a response from macrophages.

From the panel of West Nile virus antibodies they initially produced from mouse cells, researchers identified 46 that could bind to the West Nile virus' envelope protein. Further testing showed that 12 could bind to the virus in a way that consistently neutralized it, shutting down infections in cell cultures and in mice.

The human immune system would clear out these foreign anti-

bodies quickly, so scientists at MacroGenics clipped out the genetic material that controls the targeting of one of the potent antibodies and cloned it into a human antibody. The "humanized" antibody should be less likely to induce an adverse human immune system response.

A second round of tests in mice confirmed that the new antibodies retained their ability to stop West Nile virus.

Other monoclonal antibodies are in development or are used as anti-cancer and anti-inflammatory treatments. An antibody against respiratory syncytial virus is approved for use as a prophylactic treatment in children at risk of the disease in hospitals. Unlike the West Nile virus antibody, though, this antibody has to be given prior to infection.

West Nile virus belongs to a family of viruses known as flaviviruses, several of which are spread by mosquito bites.

Other flaviviruses include the virus that causes dengue fever, a potentially life-threatening infec-

tion prevalent in tropical cities. Epidemiologists at the Centers for Disease Control and Prevention estimate there are annually 100 million cases of dengue worldwide.

"A lot of what we're learning from the West Nile virus antibody will be of consequence for the development of a pediatric dengue vaccine," said co-author David H. Fremont, Ph.D., associate professor of biochemistry and molecular biophysics and of pathology and immunology. "Currently there are no safe vaccines for dengue infections."

In follow-up studies, Fremont and others are detailing the precise mechanisms that allow the new West Nile antibody to block viral infection.

Diamond and Fremont are looking for other areas of the West Nile virus E protein that antibodies can bind to and neutralize the virus.

Researchers at MacroGenics were co-authors on this paper, and Diamond now serves as a consultant for the company.

Sports

Track & field teams are UAA champions

The men's and women's track and field teams swept the UAA Outdoor Championships at Francis Field April 23-24.

With the two league championships, the University broke the UAA record for most overall conference titles during a single athletic year with 11; WUSTL also held the old record, nine, which had been set on three occasions.

The women tallied 13 titles and were led by senior Maggie Grabow and freshman Danielle Wadlington. Grabow won the 1,500-meter run in 4:41.74, and she followed that with a first-place finish in the 5,000 by clocking a 17:36.09.

Wadlington displayed her versatility throughout the weekend, winning the triple jump and the 200-meter dash Sunday. Additionally, Wadlington led off the Bears' winning 4x100 relay squad that set a UAA record by clocking a 48.79 to provisionally qualify for the NCAA Outdoors.

She was joined on the winning team by senior Hallie Hutchens, junior Leah Sabin, Brookfield and junior Julie McDermitt. Junior Laura Ehret, sophomore Natalie Badowski, Wadlington and junior Michelle McCully combined to win the 4x400 relay in 4:00.37.

Ehret also picked up the 800-meter conference title by posting a time of 2:19.39, and McCully won the 400 in 58.18. Hutchens made more UAA history in the 100-meter hurdles, becoming the only student-athlete to win the event four consecutive years in the league's 18-year history.

Sophomore Delaina Martin added another title by winning the discus. In the prelims she recorded a team season-best throw of 39.34 meters and held on for the win in the final (34.44 meters). Freshman Tiffany Barbour took home the javelin championship with a throw of 32.18 meters.

Junior David Skiba paced the men's squad, winning both hurdles events. He won the 110 hurdles in 14.81, good for an NCAA "B" cut. Skiba recorded another provisional qualifying time in the 400-meter event, clocking a time of 54.36 for the win. Junior Drew Martin added the men's title in the discus, registering a throw of 42.84 meters.

The men, 10-time UAA outdoor champions, won seven individual titles on the weekend. The women have totaled nine UAA outdoor titles and have won six straight since 2000.

Baseball splits two; closer to wins mark

The baseball team split its two games last week to move to 28-7 overall, just two wins away from

matching the single-season record for victories.

WUSTL fell, 7-3, on April 19 at Illinois Wesleyan University.

But on April 21, the Red and Green exploded for 21 hits and 16 runs to end its three-game slide. Dan Rieck went 2 for 3 with another round-tripper, his team-leading 10th of the season. His 10 home runs also tie the WUSTL single-season record. Sophomore Brent Buffa went the distance on the mound and improved to a team-best 9-1, as he allowed just four hits and struck out 11.

Softball team ekes out two narrow road wins

The top-ranked softball team improved to 41-1 with two one-run victories against Wartburg College April 24 in Waverly, Iowa. With the two wins, WUSTL extended its school-record winning streak to 24 games.

In Game 1, senior Jackie Burgdorf hit a two-out, two-run home run in the top of the seventh to lead the Bears to a 3-2 come-from-behind win. The home run for Burgdorf was the first of her career. Sophomore Laurel Sagartz picked up the win, improving to 20-1.

In the nightcap, the Bears pounded out 13 hits and held off a late rally from the Knights to post a 7-6 victory.

Women's tennis team sweeps Principia, 9-0

The women's tennis team wrapped up regular-season play April 19 with a 9-0 sweep at home against Principia College.

At No. 1 singles, senior Kacie Cook rolled past Principia's Kat Pomeroy, 6-0, 6-0. With the win, Cook improved to 13-11 overall. Senior Sara Kabakoff moved up to No. 2 singles for the day and won, 6-0, 6-3, to up her record to a team-best 19-6.

Men's tennis team takes two of three

The No. 17 men's tennis team posted a 2-1 record last week to end its regular season with a 13-5 record.

The Bears opened the week with a 7-0 win over Maryville University on April 19 at the Tao Tennis Center. On April 23, WUSTL split matches with 10th-ranked Kalamazoo College and Coe College.

Freshman Charlie Howard posted WUSTL's only victory in a 5-1 loss to No. 10 Kalamazoo College with a 6-0, 6-3 win. Howard capped the week off with two victories in the Bears 5-1 win over Coe College. He leads the team with a 24-4 singles mark and is 20-9 in doubles for a 44-13 overall mark.

Employment

Go online to hr.wustl.edu (Hilltop Campus) or medicine.wustl.edu/wumshr (Medical Campus) to obtain complete job descriptions.

Hilltop Campus

For the most current listing of Hilltop Campus position openings and the Hilltop Campus application process, go online to hr.wustl.edu. For more information, call 935-5906 to reach the Human Resources Employment Office at West Campus.

Research Statistician 040221
Programmer in A&S Computing 050012
Clinical Study Coord. 050048
Dir. of Development, School of Law 050085
Asst. Dir. for Disability Resources 050099

Software Developer 050104
Project Manager 050115
Staff Psychologist/Counselor/Clin. Soc. Worker 050174
Dir. of Communications 050177
Coord., Student Involvement/Multicultural Spec 050178
Asst. Dean 050181
Coord. of Experimental Computing 050186
Managing Editor 050188
Instructional Technology Specialist 050193
Asst. Swimming Coach 050195
Deputized Police Officer 050196

Administrative Asst. 050197
Administrative Asst. 050198
Data Systems Asst. 050199
Academic & Administrative Manager 050200
Radiation Safety Specialist I 050201
Contract Coord. 050202
Academic Coord. 050203
Material Transfer Agreement (MTA) Coord. 050205
Lab Technician IV 050206
Administrative Asst. 050207
Asst. Athletic Trainer 050211
Admin. Asst. (Half Time) 050212

Associate Registrar 050213
Student Resource Asst. 050214
Graduate Business Registrar 050125

Medical Campus

This is a partial list of positions in the School of Medicine. Employees: Contact the medical school's Office of Human Resources at 362-7196. External candidates: Submit resumes to the Office of Human Resources, 4480 Clayton Ave., Campus Box 8002, St. Louis, MO 63110, or call 362-7196.
Contract Coord. 050202
Material Transfer Agreement (MTA)

Coord. 050205
RN Staff Nurse 051095
Medical Asst. III 051106
Medical Secretary I 051155
Senior Scientist 051160
Special Procedures Technician 051180
Data Control Coord. 051182
Administrative Coord. 051186
Research Technician I 051187
Accounting Purchasing Asst. 051189
Staff Radiologic Technologist - Part-time 051190
Research Technician I 051191

Professional Rater I 051192
Professional Rater II 051193
Research Technician I 051195
Secretary III 051197
Programmer I 051198
Secretary I 051200
Patient Billing Service Rep. II 051202
Professional Rater I 051203
HR Records Specialist 051205
Medical Secretary III 051206
Patient Billing Service Rep. II 051209
Animal Care Technician II 051210

Syverud

Earned law degree from Univ. of Michigan

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ous articles on the subjects and is a former editor of the *Journal of Legal Education*.

Syverud joined Vanderbilt's Law School in 1997 as dean and the Garner Anthony Professor of Law. He has taught at least two classes a year while dean and is a recipient of the Paul Hartman Award for outstanding teaching there.

Outside Vanderbilt, Syverud is the chair-elect of the Law School Admissions Council's Board of Trustees. He recently completed a term as president

of the American Law Deans Association.

Prior to becoming dean at Vanderbilt, he was on the faculty at the University of Michigan School of Law, an associate with the Washington, D.C., law firm of Wilmer, Cutler & Pickering, and a clerk for Supreme Court Justice Sandra Day O'Connor.

Syverud earned a bachelor's degree magna cum laude from Georgetown University School of Foreign Service in 1977, a law degree magna cum laude from the University of Michigan in 1981, and a master's degree in economics from Michigan in 1983.

He and his wife, Ruth Chifen Chen, have three children: Steven, 19; Brian, 17; and David, 16.

Notables

Tulving wins Gairdner International Award

By GERRY EVERDING

Endel Tulving, Ph.D., the Clark Way Harrison Distinguished Visiting Professor of Psychology and Cognitive Neuroscience in Arts & Sciences, is one of six individuals to be awarded the 2005 Gairdner International Award for groundbreaking work in medical research.

Tulving, professor emeritus at the University of Toronto, has been a visiting scholar at Washington University since 1996.

Among the most prestigious awards in all of science, "The Gairdners" recognize outstanding contributions by medical scientists worldwide whose work will significantly improve quality of life.

Of the 274 Gairdner winners, 64 have gone on to win a Nobel Prize.

Now in their 46th year, the awards were founded by Toronto businessman James Gairdner.

"The 2005 awards honor outstanding achievements in three very different but important areas of inquiry and discovery: obesity, human memory and gene splicing," said John Dirks, president of the Gairdner Foundation. "Each of the awardees has done groundbreaking work that is transforming our understanding of how the body functions and how its mal-

functions can be overcome."

Although the Gairdners are usually awarded to medical scientists, Tulving is one of two cognitive psychologists selected to receive the honor in 2005. The awards committee cited his "pioneering research in the understanding of human memory, and providing the necessary framework within which findings in neuroanatomy, neurophysiology and neuropharmacology can be integrated."

Tulving is perhaps best known for his research on episodic memory, largely summarized in his 1983 book, *Elements of Episodic Memory*.

During the 1960s, while most research focused on how memories are acquired and stored, Tulving was the first to argue that researchers should be paying more attention to the equally important but often-neglected memory retrieval processes, or how stored information is accessed.

Tulving argued that the key problem in human memory is retrieval of information, and he spent much of his career in studying factors affecting this.

The Gairdner awards, which include a cash prize of \$30,000 (Canadian), will be presented at a dinner held in October in Toronto.



Outstanding student mentors Senior Benjamin Allen (right) accepts his academic mentoring award from Alexis Bruce-Staudt, coordinator of the Academic Mentoring Program, while Harvey Fields, assistant director of student mentor recruitment and training, presides. More than 30 seniors were honored April 26 in Holmes Lounge for their involvement and contributions to the Academic Mentoring Program. Cornerstone: The Center for Advanced Learning, located in Gregg Hall on the South 40, is home to the program, through which student volunteers provide academic help to other students. There are more than 300 academic mentors, 95 of which are scheduled to graduate in May. For more information, go online to cornerstone.wustl.edu/acadmentoring.htm.

Obituaries

Brandhorst, School of Dental Medicine; 87

By KIM LEYDIG

William S. Brandhorst, D.D.S., longtime orthodontist and a professor at the former School of Dental Medicine, died Tuesday, March 15, 2005, of complications from Parkinson's disease. He was 87.

He was born in Nashville, Ill., and grew up in Webster Groves, Mo.

After earning a bachelor's degree in geology from Harvard University in 1939, Brandhorst went on to earn a dental degree from Washington University School of Dental Medicine in 1943.

He served three years in the Army Dental Corps before earning a master's degree in orthodontics from the University of Michigan in 1948.

Brandhorst came home to St. Louis that year to practice with his father, Otto Brandhorst, D.D.S. — who was also the former dean of the School of Dental Medicine — and to teach at Washington

University, where he became a full professor.

A past president of the dental school's alumni association, Brandhorst was honored as a distinguished alumnus in 1989.

Brandhorst was an active member of the St. Louis Cleft Palate Team and served as vice president of the American Cleft Palate Association.

He was also a past president of the Greater St. Louis Dental Society, the Missouri Dental Association and the Midwest Society of Orthodontics as well as a fellow of the American College of Dentists.

He opened his own practice in St. Louis County and developed a strong, removable orthodontic appliance and wrote a book titled *The Removable Appliance*, which was published in both English and Spanish.

Brandhorst also offered his dental expertise to research on

jawbones and teeth unearthed at the Center for American Archaeology in Kampsville, Ill., where he served on the board of directors.

Throughout his life, Brandhorst held a deep passion for nature, especially birds, butterflies and moths.

Brandhorst served on the board of the St. Louis Audubon Society for eight years.

He led butterfly walks and donated a large collection of mounted butterflies to the Sophia M. Sachs Butterfly House.

He is survived by his wife of 62 years, Emilie; sons, Bruce, Robert and Mark; a sister, Helen Krumboltz; and two grandsons.

Memorial contributions may be made to Grace Episcopal Church, 514 E. Argonne Drive, Kirkwood, MO 63122; St. Louis Audubon Society, P.O. Box 22027, St. Louis, MO 63122; or the Dental Health Theater, 727 First St., St. Louis, MO 63102.

Turetzky wins biology's Spector Award

By TONY FITZPATRICK

Jay Turetzky has won the 2005 Spector Award.

The Department of Biology in Arts & Sciences awards this prize every year in memory of Marion Smith Spector, a 1938 graduate of the University who studied zoology under Professor Viktor Hamburger.

Hamburger was a prominent developmental biologist who made many important contributions while a faculty member here.

The Spector Prize was first awarded in 1974 to recognize academic excellence and outstanding undergraduate achievement in research. Students are nominated by their mentors.

Being nominated means they have done outstanding work in research that their mentors judge to be beyond what is typical for undergraduate students.

Turetzky's thesis and research was judged to be the most outstanding among a group of six students and their research projects that were nominated this year.

He worked with Karen O'Malley, Ph.D., professor of neurobiology in the Department of Neurobiology and Anatomy at the School of Medicine.

He is a co-author on two papers, and his thesis work, which he presented at the Society for Neuroscience meeting in fall 2004, is titled "A Temporal Ordering of Events in 6-OHAD-induced Dopaminergic Cell Death."

Turetzky will enter a doctoral program in neurobiology in the fall.

As part of the departmental recognition of his work, he will present a research talk May 2 at a special biology department seminar, which will be followed by a reception.

Campus Watch

The following incidents were reported to University Police April 20-26. Readers with information that could assist in investigating these incidents are urged to call 935-5555. This information is provided as a public service to promote safety awareness and is available on the University Police Web site at police.wustl.edu.

April 22

8:53 a.m. — A student reported that someone accessed her bank account and stole \$1,800. The loss was noticed on April 19 and has been reported to the bank. An investigation is continuing.

11:58 a.m. — A student reported that his bicycle, a rental from Bear Bikes, was stolen from outside of Rubelman Residence Hall sometime between April 18-22. An investigation is continuing.

5:15 p.m. — A person reported that he parked his 2004 Dodge Ram pickup truck on the northeast quadrant of parking lot No. 4 at about 6:45 a.m. and at that time he locked and

secured the vehicle. The victim stated that he returned to the parking lot at about 4:15 p.m. and found that his vehicle had apparently been stolen by some unknown person or persons. The vehicle was recovered, and an investigation is continuing.

April 26

12:54 p.m. — A member of the transportation office reported a fraudulent daily permit on a vehicle in the Millbrook Parking Garage. The driver was contacted and the fraudulent permit was seized.

Additionally, University Police responded to two larcenies and one report each of found property, trespassing and parking violation.

Kobayashi, world-class mycologist; 78

By KIM LEYDIG

World-class mycologist George S. Kobayashi, Ph.D., professor emeritus of medicine, died Tuesday, April 19, 2005, from a terminal illness at St. Luke's Hospital. He was 78.

Kobayashi was born in San Francisco, where his family owned and operated a store specializing in imported Japanese items.

After the attack on Pearl Harbor, Kobayashi's family was imprisoned in several U.S. concentration camps created for Japanese-Americans during World War II.

After graduation from high school in a Utah relocation camp, Kobayashi earned a bachelor's degree in food chemistry from the University of California, Berkeley, in 1952 and went on to earn a doctorate in 1963 from Tulane University, where he became fascinated by the importance of pathogenic fungi in infections.

"George took enormous and justifiable pride in his depth of knowledge and expertise in mycology, including their use as food delicacies, food poisons as

well as their industrial and medical significance," said Russell Little Jr., M.D., WUSTL professor emeritus of medicine and of molecular microbiology. "He was indeed a world-class mycologist."

In 1963, Kobayashi joined the School of Medicine faculty, where he was a professor of medicine and of molecular microbiology until he stepped down in 1999.

From 1973-1999, Kobayashi served as the associate director of the Clinical Microbiology Laboratory. He spent many years researching the control of cellular differentiation of the pathogenic fungus *Histoplasma capsulatum*.

"George was an eminent scientist, but he also was a wonderful storyteller," said Gerald Medoff, M.D., professor emeritus of medicine and clinical director of the National Institute on Aging. "His humor and good will touched a huge number of people, and everyone around him recognized he was a special person."

Until the time he was hospitalized, he continued to provide consultation services to the departments of Pathology and Internal

Medicine, served on the School of Medicine Admissions Committee and worked daily in the Division of Infectious Disease.

In addition to publishing more than 175 research publications, he received more than 50 invitations for international visiting professorships and lectureships.

He served in various official capacities in the American Society for Microbiology and the Medical Mycology Society of Americas. He was a member of peer-review committees for the National Institutes of Health, the Food and Drug Administration and the American Type Culture Collection.

Among his many honors and achievements, Kobayashi repeatedly won the School of Medicine's Distinguished Service and Teaching Award.

He is survived by his wife, Mariko; daughters, Patricia and Kimi; sons, Dale and Scott; and his brother, Eizo.

Memorial contributions may be made to the Department of Infectious Disease, c/o Dan Korte, 660 S. Euclid Ave., St. Louis, MO 63117.

Washington People

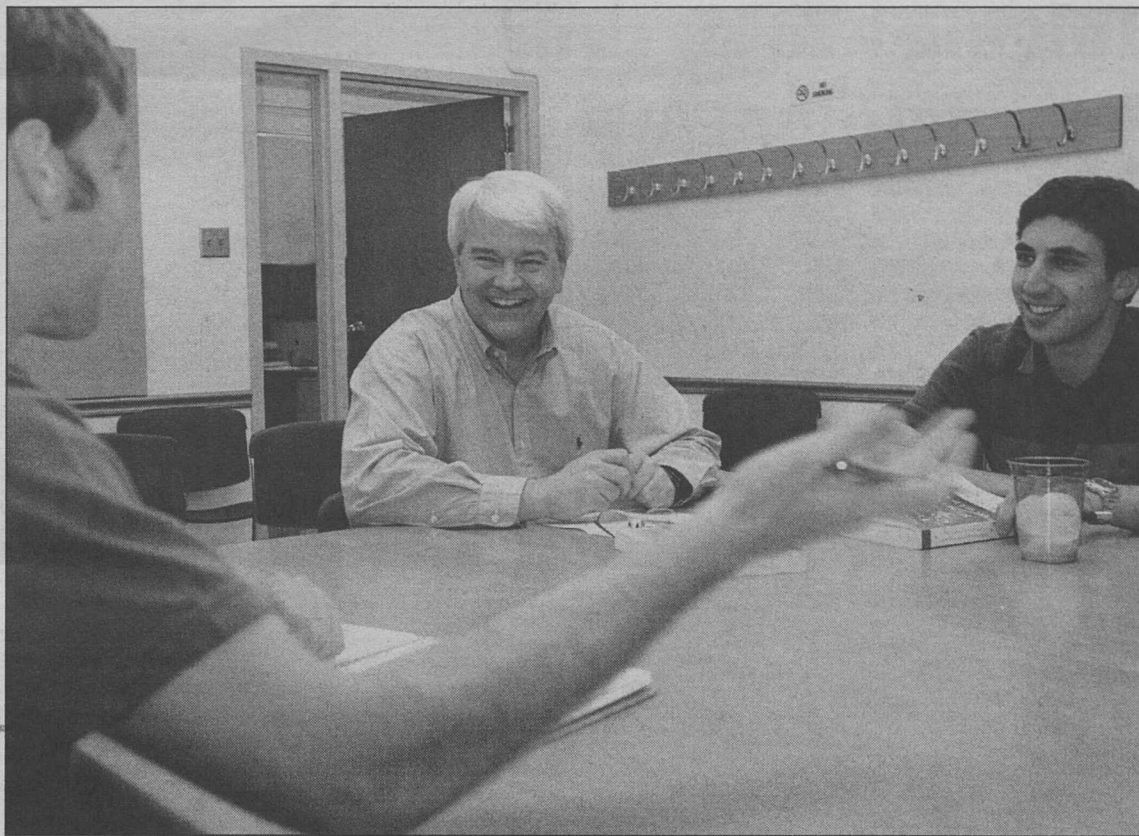
Steven S. Smith, Ph.D., one of the nation's premier congressional scholars, got his foot in the door of the U.S. Senate by holding it open — literally.

Smith, the Kate M. Gregg Professor of Social Sciences in Arts & Sciences, got his first taste of the Senate in the early 1970s while working as a doorman for the Senate chambers, a job that came his way as part of a college internship with Sen. Walter Mondale, D-Minn.

"Senators were given a couple patronage positions to hand out and Mondale always gave the jobs to his interns," Smith recalls. "That was the spring of the D.C. Watergate hearings and I spent most of my free time at the hearings, usually sitting somewhere just behind Daniel Ellsberg."

Ellsberg's leak of the Pentagon Papers — and the resulting scandals — would touch off sweeping governmental reforms and instigate landmark institutional changes in the rules, regulations and protocols that control how Congress conducts business.

Smith, the awe-struck college kid looking over Ellsberg's shoulder, would go on to become a pio-



Steven S. Smith, Ph.D., conducts one of his classes on the U.S. Senate. "He's definitely 'Mr. Senate,'" says Gary Miller, Ph.D., professor of political science in Arts & Sciences, who also studies Congress. "He really knows everything there is to know about the U.S. Senate, and he's made a point of familiarizing himself with all of its rules and protocols."

A political mind

Congressional scholar Steven S. Smith is 'Mr. Senate'

By GERRY EVERDING

neer in a branch of political science focusing on the role congressional institutions play in the political process. He would be among the first to trace the development of highly restrictive House rules, to uncover their political motivations and to show that even subtle rule changes could have substantial long-term implications. Once largely overlooked by scholars, these "special rules" are now an especially hot topic in congressional research.

In the Senate, the current battle over the use of filibusters to block judicial nominations has resulted in widely differing interpretations of Senate rules and regulations.

"We're hearing a lot of self-righteous speeches about the filibuster and tradition and constitutional principles, when in fact, it's just partisan or narrow self-interest that's driving the positions on these procedural matters," Smith says.

"Hardly anybody is consistent over time in real-life politics when it comes to procedural matters. It's all about the underlying issues. It's the group's that are pushing them and their interests that are driving the process, and their attitudes about procedure are all a byproduct of those underlying interests."

"This has been the history of the Senate. It's been the history of most political institutions, and my job in all this has been to point this out, to rise above the partisan rhetoric and show that many current arguments — on all sides — tend to be arguments of convenience."

Described as one of the most important and influential students of legislative politics of his generation, his research explores the causes and consequences of institutional change.

"He's definitely 'Mr. Senate,'" says Gary Miller, Ph.D., professor of political science in Arts & Sciences, who also studies Congress. "He really knows everything there is to know about the U.S. Senate, and he's made a point of familiarizing himself with all of its rules and protocols."

Since joining the political science faculty in 2001, Smith also has served as director of the Murray Weidenbaum Center on the Economy, Government, and Public Policy, formerly known as the Center for the Study of American

Business. His arrival marks a transition in which the center has refocused its mission on supporting social science research around campus.

"The center is making lots of small grants available to support research at the University," Miller says. "When you're an assistant professor or a doctoral student, a little bit of money can go a long way toward helping establish a research agenda. I consider this some of the best-spent money at the University."

Smith's own research has been widely published. He is the author of seven books on congressional politics, and currently has three more in the works, including books on the development of party organization and leadership in the U.S. Senate and on the influence of institutional arrangements on policy choices in the U.S. Congress. He's a co-editor of *Legislative Studies Quarterly* and has served on the editorial boards of *American Journal of Political Science* and *Journal of Politics*.

When it comes to his own politics, Smith draws a sharp line.

"I no longer engage in partisan politics because it's critical for me to have access to both sides of the spectrum. I need both sides to appreciate that I value my professional principles very highly and that these principles lead me to be very skeptical of claims made by either side."

While his early research focused primarily on the modern U.S. Congress, it has evolved over the years to include more historical studies of Congress and parliaments around the world, including the emerging Russian democracy. He became interested in Russia as post-Soviet democratic institutions began to emerge, providing the perfect laboratory for Smith's research.

"The Russian parliament offers research opportunities that can no longer be found in the United States and most other Western parliaments," he explains. "The reason is that many of these key institutional choices being made by the Russians are being made right now while we can observe them and actually speak to people making the choices. Since I specialize in the development of legislative institutions, it's a natural match."

His latest book, *The Politics of Institutional Choice: The Development of the Russian State Duma*, explores whether competing theories of parliamentary evolution adequately explain Russia's recent choice of systems for political committees, parties, elections and agenda-setting mechanisms.

Smith's interest in politics began much closer to home. Growing up in Long Prairie, Minn., Smith had what he describes as a "more than an average" interest in politics.

When he was in sixth grade, his family moved to the "big city" of St. Cloud, where his political interests blossomed amid the unsettled days of the early 1960s.

He followed the assassination of John F. Kennedy, the 1964 Goldwater-Johnson presidential race, Martin Luther King speeches and the Watts race riots. By high school, he was working as a volunteer in local election campaigns.

As a sophomore at St. Cloud State University, Smith worked as an intern with a newly elected, first-term Democratic state legislator, a mass media professor with whom Smith had studied at St. Cloud State.

"Working side-by-side with a legislator gave me an appreciation for the challenges elected officials face," Smith says. "I saw the unavoidable cross pressures that come with public office, the issues that test your principles against realities of the political world. I didn't care for the lifestyle, for the lack of privacy. I realized that elected office was not for me."

Smith no longer dreamed of becoming a politician, but his interest in studying them remained strong. He earned two degrees in political science, a bachelor's from St. Cloud State in 1975 and a doctorate from the University of Minnesota in 1980.

As a congressional fellow, Smith spent a year working with Thomas "Tip" O'Neill Jr., D-Mass., when O'Neill was Speaker of the House.

He began teaching at George Washington University in 1979, moved to Northwestern University in 1984 and became a senior fellow at the Brookings Institution in 1985. He returned to the University of Minnesota in 1987 and was named Morse-Alumni Distinguished Teaching Professor of Political Science in 1996 and the Distinguished McKnight University Professor of Political Science in 1998.

At Minnesota, Smith earned a reputation for innovative teaching. He led a reform of the fresh-

man-level course on American government, introduced new information technologies into his classes and developed prototype software for social science research methods instruction in a virtual laboratory environment, a project funded by the National Science Foundation.

Smith also has influenced the field through his doctoral students, many of whom are making important contributions to congressional research. Among alumni of the "Smith School of Politics" are stars Sarah Binder and Forrest Maltzman, both of whom are now professors of political science at George Washington University.

Binder is known for important work on minority rights in the House. Maltzman has made noteworthy contributions on the politics of committee assignments. Both carry on Smith's trademark interest in how partisan political calculations interact with congressional rules and procedures.

Among his students, Smith is legendary for the time he spends discussing nuances of their current research. Unknown to him, his students keep a light-hearted tally of the length of Smith's marathon advising sessions, with three hours being the norm and record-holders running as long as eight hours.

In his advising, Smith emphasizes the need to temper abstract political theories and technical arguments with a "nuts and bolts" understanding of how issues play out in the real world. He implores students to get under the hood, to see how the legislative machine works in action.

"I could not imagine having a better adviser," says Jason Roberts, a 2005 graduate of Washington University's political science doctoral program and now an assistant professor at the University of Minnesota.

"Steve doesn't treat you like you're just another student. He makes you feel like you're one of his close research colleagues, like you're just another scholar in the field. It's personal with him — like you're part of the family."

Steven S. Smith

Hometown: St. Cloud, Minn.

Degrees: Bachelor's degree, political science, St. Cloud State University, 1975

Doctorate, political science, University of Minnesota, 1980

Family: Son, Tyler, 16; daughter, Shannon, 13

"Steve doesn't treat you like you're just another student. He makes you feel like you're one of his close research colleagues, like you're just another scholar in the field. It's personal with him — like you're part of the family."

JASON ROBERTS