

## Faculty Are Conducting Fulbright Research in India and Nepal

Studies of the interrelationship between climate and architecture in Ahmedabad, India, and of the efforts of urban residents to build socially and economically sustainable neighborhoods in Kathmandu, Nepal, have received Fulbright awards for faculty members Mark DeKay and Gautam Yadama.

During the fall semester, DeKay, assistant professor in the School of Architecture, held a lecture appointment at the School of Architecture, Center for Environmental Planning and Technology in Ahmedabad, which is in the western state of Gujarat. He introduced Indian students to U.S. software and monitoring tools for analyzing climatic patterns and for better understanding local, climate-based building design.

DeKay believes that U.S. architects have much to learn from Indian techniques, which include design strategies that allow buildings to let in or shut out exterior conditions depending upon climatic patterns.

"In the future, as buildings designed today outlive their fossil fuel energy resources and the environment is increasingly unable to absorb the pollutants generated by burning fuels, we will have to design and learn to live in more energy-efficient buildings," he says.

DeKay's project builds upon his work with the U.S. Department of Education and several other universities to develop and disseminate architecture course materials that promote energy-efficient design using "Energy Scheming" software.

Gautam Yadama, associate professor in the George Warren Brown School of Social Work, is conducting research in Kathmandu, Nepal, during the 2000-2001 academic year. He is studying how Nepal, as a developing country, is facing many of the same spatial, environmental, economic, and social pressures brought on by urbanization worldwide.

"Rapidly growing urban municipalities, such as Kathmandu, are falling short of providing adequate roads, water supply, electricity, drainage, sanitation, and garbage collection and disposal," he says. "However, the country's emerging democracy is creating new opportunities for citizens to address these urban growth problems at the neighborhood level."

His research will include analysis of why some communities are better equipped to collectively provide public services either on their own or jointly with the local government — and how such processes unfold.

"My research will include identifying community attributes that allow

neighborhoods to work together, both for the collective good and for the benefit of individual households," Yadama says.

He believes that the lessons learned in Nepal are relevant to revitalization of urban core neighborhoods in the United States that have been left untouched by the new economy.



Mark DeKay comments on a student's work in the architecture computer center.

## Park gift strengthens ties to Asia

Some of the most interesting years in the life of Helen Ette Park, A.B. '19, were spent in Asia. She and her husband, Mungo Park, lived for several years in Kuala Lumpur, Malaysia. During her time there, she learned to fly a plane and was known for her ability to grow rare orchids.

It's not surprising, then, that Park's bequest to the University of more than \$10 million provides support for her alma mater's Asia initia-



Helen Ette Park

tives. The funds will support scholarships for Asian students, strengthen the University's International and East Asian Studies programs, establish new programs to support interdisciplinary scholarship and research, and award grants to faculty for conferences, research, and travel.

"One of Washington University's primary goals is to prepare our students for living and working in an expanding international community," says Chancellor Mark S. Wrighton. "Thanks to the generosity of Helen Ette Park and to her lifelong

interest in developing ties with Asian nations, Washington University is developing programs that enhance and expand our students' knowledge of language, literature, culture, economics, and politics in Asia. The connections we make will be vital to the University's future success and will strengthen our role as a global leader."

The University's International Relationships Committee, under the leadership of Edward S. Macias, executive vice chancellor and dean of Arts & Sciences, has formulated a strategic plan for Asia and is working to implement the proposed projects.

## Construction Update

The Olin School of Business held a “topping-off” celebration on September 13 when University officials hoisted the final steel beam for the Charles F. Knight Executive Education Center. The \$50 million building, which is set for completion in spring 2001, will offer mid- through senior-level executives a facility with classrooms, study areas, lounges, dining, a fitness room, and overnight lodging.

The Olin School recently received a \$2 million grant from SBC Foundation, to be distributed over 10 years, to support the construction of the Knight Center. Chancellor Mark S. Wrighton says, “We are grateful for the wonderful

support from SBC Foundation, which will enhance our ability to provide high-quality education for executives in this region.”

On the Medical Campus, the first residents have moved into the McDonnell Pediatric Research Building. The structure will be the focal point for state-of-the-art investigations into the biology of childhood diseases. Its construction was supported in part by a \$20 million gift from the McDonnell family. The gift came from James S. McDonnell III, the JSM Charitable Trust, and John F. McDonnell, chairman of the University’s Board of Trustees and a member of the International Advisory Council for Asia.



above: The \$20 million McDonnell Pediatric Research Building provides six floors of pediatric research laboratories.



left: University officials and other well-wishers cheer the hoisting of the final steel beam for the five-story Charles F. Knight Executive Education Center.

## International Journalists Cover Presidential Debate

When the eyes of the world turned to Washington University in St. Louis on October 17 — as the University hosted the final debate of the 2000 U.S. presidential campaign — international journalists were on site. A group of 28 print and broadcast representatives came from France, Argentina, Hungary, Finland, the Czech Republic, Brazil, Germany, India, Japan, Sweden, and Poland to cover the nationally televised face-off between Vice President Al Gore and Texas Governor George W. Bush.

Organized by the U.S. Department of State’s Foreign Press Center, this

group attended a special briefing by Arts & Sciences faculty members: on the debates by James W. Davis, professor of political science, and on U.S. foreign policy by Henry W.

Berger, associate professor of history. Andrew Sobel, associate professor of political science and a resident fellow in the Center in Political Economy,

moderated the session. About 40 Washington University international students and American students interested in international issues attended the briefing and reception.

Sridhar Krishnaswami, a correspon-

dent with India’s English newspaper, *The Hindu*, said, “This is the final time they will be facing each other. Today they will be talking to each other. And the rest of the campaign they will be talking at each other. From an overseas point of view, this is a chance for the outsiders to know what is being said on foreign policy. Debates have utility.”

India, he said, is always interested in the directions of American foreign policy. “We have had continuity in U.S. foreign policy for eight years, and now there is a prospect for change,” he said. “So people are interested in seeing what the parameters of the change could be.”

The debates helped U.S. voters understand the candidates’ position on key issues. The election, which took place on November 7, 2000, was too close to declare either candidate a winner, pending a lengthy, in-depth recount of votes in the state of Florida.



## News Briefs

### **Monitoring Mongolian elections:**

Eddie F. Brown, associate dean for community affairs in the George Warren Brown School of Social Work, led a 19-member delegation in September to observe Mongolia's parliamentary election. "It was a moving experience," says Brown. "The Mongolian people took very seriously their right to vote. At one voting site on the outskirts of the capital, Ulaanbaatar, people were lined up hours before the polls were scheduled to open. From the oldest to the youngest voters, there was a tremendous excitement about having a say in the political process." The nonpartisan International Republican Institute organized the delegation to monitor the election process.

### **Institute for Global Legal Studies holds inaugural events:**

On November 17-18, 2000, the Institute for Global Legal Studies in the School of Law opened its doors with a colloquium entitled "The United Nations and the Protection of Human Rights." Judge Patricia Wald with the International Criminal Tribunal for the former Yugoslavia presented the annual Tyrrell Williams lecture on November 17. Her address was "The International Criminal Tribunal for the Former Yugoslavia Comes of Age: New Law and Old Rights." Inaugural events also included a reception and ribbon-cutting ceremony to dedicate the Institute's new facilities. For more details, visit [ls.wustl.edu/Whatsnew/unhuman.html](http://ls.wustl.edu/Whatsnew/unhuman.html).

### **Suzuki publishes on management in Japan:**

Yasutoyo Suzuki, M.B.A. '94, published a book on M.B.A. management in Japan that is being translated into Chinese. His latest book, *The Way Japan Managed the Facts of Reverse Prosperity*, was published in May 2000.

### **Choi elected to Institute of Medicine:**

Dennis W. Choi, the Andrew B. and Gretchen P. Jones Professor and head of neurology at the School of Medicine, has been elected to the Institute of Medicine. This is one of the highest honors bestowed on American medical scientists. Choi, who was selected in recognition of his professional achievements and leadership in neuroscience, is internationally known for his research on the mechanisms of nerve cell injury.

**Researchers find how parasite infects humans:** Researchers have clarified the role a molecule plays in a para-

site's infection of human beings, which could lead to improved treatment for leishmaniasis, a scourge in developing countries. Transmitted by biting sand flies, the microscopic protozoan parasite *Leishmania* infects more than 10 million people in tropical lands. The organism causes massive ulceration of the skin, mucous membranes, and internal organs. The disease is often fatal. Stephen M. Beverley, the Marvin A. Brennecke Professor of Molecular Microbiology at the School of Medicine, and his colleagues have focused on lipophosphoglycan (LPG), a molecule that coats the parasite. Using gene-altering techniques that Beverley pioneered, the researchers made a mutant of *Leishmania* that did not produce LPG. In mice injected with this mutant parasite, macrophages eliminated 75 percent of them in two days. The mice did not develop lesions until 60 days after infection, compared to a normal rate of 15 days, and the infection was much less virulent. "This study proves for the first time that LPG is required for virulence," Beverley says.

### **Holloszy awarded Olympic gold:**

The International Olympic Committee Medical Commission honored John O. Holloszy, M.D. '57, with the 2000 Olympics Prize in Sports Sciences at the Olympic Games in Sydney, Australia. The medal, which recognized Holloszy's contributions to the science behind enhanced athletic performance and disease state management, was accompanied by a \$500,000 prize, endowed by Pfizer, which Holloszy plans to use to further his research. Holloszy is professor of medicine, chief of the Division of Geriatrics and Gerontology, and director of the section of applied physiology at the School of Medicine. He has devoted 40 years to making exercise a valid area of research; his findings have laid the groundwork for an entire field devoted to the study of movement, exercise, and sport.

### **North presents World Bank address in Tokyo:**

Douglass C. North, the Spencer T. Olin Professor in Arts & Sciences and 1993 Nobel laureate in economic science, delivered a talk on "Institutions and Development" on December 12, 2000, at a conference sponsored by the World Bank in Tokyo. The theme of the Global Development Network 2000 conference, held December 11-13, was "Beyond Economics: Multidisciplinary Approaches to Development." North was honored with a

reception, planned by alumni and members of the International Advisory Council for Asia.

### **Biswas installed as Jens professor:**

On October 30, 2000, Pratim Biswas was installed as the first Stifel and Quinette Jens Professor of Environmental Engineering Science in the School of Engineering & Applied Science. He is the new director of the environmental engineering program and holds appointments in the departments of civil engineering and chemical engineering. Biswas received an undergraduate degree from the Indian Institute of Technology in Bombay in 1980, a master's degree from the University of California, Los Angeles, in 1981, and a doctorate from the California Institute of Technology in 1985 — all in mechanical engineering. He came to Washington University from the University of Cincinnati earlier this year. His key research areas are aerosol science and engineering, air quality and pollution control, environmentally benign processing, and nanotechnology.

### **Tarn leads delegation in China:**

In late November, Tzyh-Jong Tarn, professor of systems science and mathematics in the School of Engineering & Applied Science, led a People to People-sponsored Industrial Electronics Delegation to the People's Republic of China. The trip featured stops in Beijing, Shanghai, and Guangzhou. The delegation was scheduled to meet with leading researchers and key professionals in electronics technology. People to People International was founded in 1956 by U.S. President Dwight D. Eisenhower to improve communication between Americans and citizens of other countries.

### **Grant will allow students to conduct summer research in Japan:**

Shirley Dyke, assistant professor of civil engineering in the School of Engineering & Applied Science, has received a \$9,400 supplement to an earlier grant from the National Science Foundation to fund an international component of the Research Experiences for Undergraduates (REU) program. Next summer Dyke and a former REU student will go to Tokyo to plan a joint REU program with Tokyo University and Florida A&M University. The program will allow from four to six undergraduates to spend the summer doing research in Japan; in turn, Japanese students will come to the United States to study.

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Jeannette Huey  
Director, International Alumni and Development Programs  
Washington University in St. Louis  
Campus Box 1060  
7425 Forsyth  
St. Louis, MO 63105-2103, U.S.A.  
telephone: (314) 935-4548  
fax: (314) 935-7224  
e-mail:  
jeannette\_huey@aismail.wustl.edu

The **Alumni and Parents Admission Program** (APAP) involves alumni and parents of undergraduates in recruiting, selecting, and enrolling students at Washington University. APAP members interview applicants, staff college fairs, and host receptions for admitted students. For more information, contact:

Robyn Neuhalfen  
Director, Alumni and Parents Admission Program and Senior Assistant Director, Undergraduate Admissions  
Washington University in St. Louis  
Campus Box 1028  
One Brookings Drive  
St. Louis, MO 63130-4899, U.S.A.  
telephone: (314) 935-8493  
e-mail: apap@wustl.edu

Alumni, parents, and friends of the University often help identify students who would benefit from a Washington University education. Refer names and addresses of **talented prospective students** to:

Julie Shimabukuro  
Associate Director of Admissions and Coordinator of International Recruitment  
Washington University in St. Louis  
Campus Box 1089  
One Brookings Drive  
St. Louis, MO 63130-4899, U.S.A.  
telephone: (314) 935-4893  
e-mail:  
julie\_shimabukuro@aismail.wustl.edu

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*Effective November 1, 2000*

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