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Dedicating Goldfarb Hall

Former New York Gov. Mario Cuomo addresses faculty, staff, students, alumni and friends at the dedication of the new Alvin J. Goldfarb Hall at the George Warren Brown School of Social Work Friday, May 1. (From left) Shanti K. Khinduka, Ph.D., dean of the social work school, philanthropist Alvin J. Goldfarb and Chancellor Mark S. Wrighton share the platform with Cuomo.

New chair honors Andrew Craig III

NationsBank has committed \$1.5 million to Washington University to establish the NationsBank Professorship in Managerial Leadership in the John M. Olin School of Business in honor of Andrew B. Craig III, Chancellor Mark S. Wrighton announced. Craig is the newly retired chairman of NationsBank.

Hugh McColl, chief executive officer of NationsBank, announced the gift at an April 23 retirement celebration for Craig.

"Through his vision and leadership, Andy Craig helped build the pre-eminent banking institution in the central United States, which would later prove pivotal in creating the most powerful banking franchise in the

country," McColl said. "It is fitting that we honor Andy and his achievements by supporting

Washington University in its efforts to develop our next generation of business leaders."

Wrighton praised Craig's leadership at the University and in banking.

"Andy Craig has been a leading force in the ascent of Washington University as a world-class research institution and in the advancement of the

Continued on page 6



Andrew B. Craig III

Nobuo Suga is elected to Academy of Sciences

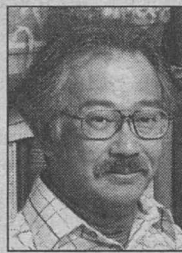
Nobuo Suga, Ph.D., professor of biology in Arts and Sciences, was elected April 28 to membership in the National Academy of Sciences, one of the highest distinctions a scientist or engineer can attain.

Suga, a member of the Washington University faculty since 1969, has concentrated his career in neuroscience and has become internationally known for his studies in the neurophysiology of hearing, most notably in bats,

but also in porpoises, Amazonian animals and certain insects.

Suga has made groundbreaking discoveries in the complex mechanisms involved in bat echolocation, that is, the auditory process by which bats send out sound signals and then interpret the reverberating echoes from the signals to navigate, search for food and communicate among themselves. Suga has spent decades analyzing the neural process in bats' central auditory system, including the cerebral cortex, to understand brain mechanisms for processing the biosonar signals on which nearly one thousand bat species depend for survival.

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Nobuo Suga

Engineer's design finds many uses

With rare exceptions, such as radio carbon-dating the Dead Sea Scrolls and the Shroud of Turin or authenticating tears or blood reported from religious icons, science and religion seldom interact. In fact, they are often at odds.

But now, a mechanical engineer at Washington University contemplating how to solve an old problem in his synagogue has literally harnessed light and reflection to enhance prayer and the synagogue experience.

Richard L. Axelbaum, Ph.D., associate professor of mechanical engineering in the School of Engineering and Applied Science, has developed a new optical design to accommodate worshippers in Orthodox Jewish synagogues. The design also may see the light of day in business and residential security and privacy devices and even in police lineups, where witness protection is vital.

Axelbaum applied for a patent for his design in late 1997 and received the first National Council of Young Israel's Synagogue Innovation Award March 22 in New York. The award recognizes individuals who distinguish themselves by bringing modern techniques to synagogue design while remaining within Orthodox Jewish guidelines.

In Orthodox Judaism, men and women are required to worship apart and are separated by a partition called a *mehitza*. The separation is to keep worshippers — particularly the males — focused on prayer with as few distractions as possible. According to Orthodox Jewish law, there are no restrictions on women looking over to the men's side. And there are often times when women would like to observe what is happening on the men's side — for instance, to watch the bar mitzvah of their children or grandchildren.

People have tried traditional see-through mirrors to solve the problem, but they found that design actually creates two other problems. One, it requires that the lighting on the observer's side (the women's, in this instance) be much darker so that the observer does not see her reflection. Darkness obviously hinders a worshipper's reading ability. Two, on the opaque side (the men's side), the view is a mirror reflection, which itself is a distraction to a worshipper whose eyes may wander to his own reflection.

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Star for Bill Gass to be added to St. Louis Walk of Fame

Embedded in the sidewalk along Delmar Boulevard in the Loop area of University City is a succession of 75 large brass stars. Each star commemorates the life and achievements of an extraordinary St. Louisan — Ulysses S. Grant, T.S. Eliot, Josephine Baker, Scott Joplin, Chuck Berry, Tina Turner and others.

Later this month, author William H. Gass, Ph.D., will be welcomed into that honored fold. Gass, the David May Distinguished University Professor in the Humanities, professor of philosophy and director of the International Writers Center in Arts and Sciences, is one of five new honorees to be inducted May 17.

Previous inductees have included several other writers associated with the University,

including Stanley Elkin, A.E. Hotchner, Howard Nemerov, Mona Van Duyn and Tennessee Williams. T.S. Eliot was the grandson of University founder William G. Eliot.

"It is wonderful to be chosen for the walk of fame and to join so many friends," Gass said. "It is important to remember, though, that these stars are fastened to the earth and look up, while real stars float in the sky and look down."

The Walk of Fame is the brainchild of Joe Edwards, who with his wife, Linda, is proprietor of two Loop area businesses: Blueberry Hill, a rock-themed restaurant and pub, and the Tivoli Theatre. Edwards began the walk in 1988 as a way to commemorate St. Louis' contribution to American cultural life.

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Designing furniture

Architecture graduate student Mark Yoo (right) discusses his chair design and its tensegrity principles with architecture alumnus David Scheu. Scheu, co-owner of Irwin Scheu Wood Work in St. Louis, served as one of the reviewers of student work in the furniture design studio of Lindsey Stouffer, lecturer in architecture.

On the inside

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Researchers discover why only some people with the peptic ulcer bacterium get sick

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Ahmet Karamustafa, Ph.D., finds wisdom for our age in premodern Islamic cultures

Education in ethics 5

Law students in a Washington, D.C., course study legal ethics in a charged climate

Medical Update

Researchers discover ways disease is triggered by ulcer/cancer bug

A mouse with a human gene has revealed why some people who harbor the peptic ulcer bacterium get sick while others don't. If the stomach lining provides footholds for the bacterium, it may draw the immune system's friendly fire.

"If the right combination of circumstances occurs — first, you're unfortunate enough to be infected with a bacterial strain that can bind to the cells lining your stomach and, second, the bacterium contains molecules on its surface that resemble some of those on your stomach cells — the destiny of the infection may be skewed toward autoantibody production, loss of acid-producing cells and possibly neoplasia," said lead researcher Jeffrey I. Gordon, M.D., the Alumni Professor and head of the Department of Molecular Biology and Pharmacology.

Researchers in Gordon's lab described their findings in a recent issue of *Proceedings of the National Academy of Sciences*. First authors are Janaki L. Guruge, Ph.D., postdoctoral fellow, and Per Falk, M.D., Ph.D., adjunct assistant professor of molecular biology and pharmacology at the medical school and now also associate director of molecular biology at the Swedish pharmaceutical company ASTRA Hässle.

Half of the world's people are colonized with *Helicobacter pylori*. Most have few symptoms — some gastric inflammation, perhaps, before an apparently harmonious relationship sets in that can last for decades. But 10 percent to 20 percent of infected individuals are not so lucky. Some get ulcers, and others develop progressive inflammation of the stomach and lose acid-producing cells. This increases their risk for stomach cancer, which is common in countries where *H. pylori* infection is rife.

Look into the stomach of an infected person who has severe gastritis or ulcers and you'll see *H. pylori* associated with cells that line the stomach. The bacterium is able to produce molecules that allow it to attach to these stomach cells. In laboratory experiments, scientists have identified several molecular receptors that can serve as potential sites for bacterial attachment. "We wanted to find out whether — and how — attachment could alter the outcome of infection," Gordon said.



Jeffrey I. Gordon

Australian scientists fingered *H. pylori* as the culprit of peptic ulcers in the 1980s, but the lack of genetically well-defined animal models has hampered attempts to understand how the organism causes disease.

In 1993, Falk and another Swedish scientist at the medical school, Thomas Borén, D.D.S., Ph.D., discovered that *H. pylori* can attach to a molecule called Lewis b (Leb) on stomach lining cells. This molecule also decorates the red blood cells of people with the Leb blood group.

In Gordon's lab, Falk introduced the human Leb gene into a mouse. He manipulated the gene so it was produced in cells that line the animal's stomach. Mice without the human Leb gene served as normal controls.

Both groups of mice were exposed to *H. pylori* strains retrieved from Peruvian patients with gastritis. The Leb blood group antigen is commonly found in Peruvians, and most *H. pylori* strains from Peru are able to bind to Leb. Guruge found that both groups of mice — those with and those without Leb — became

infected with *H. pylori* easily and for long periods of time. The bacteria attached to the stomach epithelium only in animals with human Leb, however. In the control mice that lacked Leb, they simply parked in the gastric mucus.

This difference in location affected the mouse's immune response. Guruge noticed that the mouse made antibodies against *H. pylori* carbohydrates when the bacterium attached to the stomach lining. As it turned out, these bacterial carbohydrates resembled carbohydrates that a mouse's own acid-producing parietal cells normally produce.

Faced with this molecular mimicry, the immune system attacked the mouse's own acid-producing cells as well as the bacteria. The Leb mice developed an inflammatory reaction that resembled chronic active gastritis found in humans with symptomatic *H. pylori* infection. Their parietal cells disappeared, as they do in humans with atrophic gastritis, a precancerous condition. In a different study, Gordon's group has shown that undifferentiated cells in the stomach lining proliferate abnormally when parietal cells are lost. Such unrestrained cell division eventually may increase the risk of cancer, Gordon suggested. "So though attachment isn't necessary for *H. pylori* infection, it markedly affects the outcome of infection," he said.

This genetically well-defined model should enable researchers to identify bacterial and host genes that respond to attachment. Such information should further treatment and prevention efforts. Gordon suggests that his group's approach also could be used with other types of bacteria to understand the role of bacterial attachment in a variety of diseases. "This melding of transgenic mice and molecular microbiology offers great opportunities for the future," he said.

— Linda Sage



A new look for Scott Avenue

As part of the Public Realm Project, the west end of Scott Avenue, between Taylor and Euclid avenues, will become a large pedestrian plaza, as seen in this artist's rendering. The improvements will begin this summer and should be completed by late September. They include landscaping, more lighting, street benches, flowers and trees. A vehicular turnaround will facilitate deliveries to the McDonnell Medical Sciences Building and the Power House complex.

Skin biology subject of grant

A group of researchers led by William C. Parks, Ph.D., associate professor of medicine and of cell biology and physiology, has received a five-year \$5 million program project grant from the National Institute of Arthritis and Musculoskeletal Diseases.

The grant will cover four research projects all related to a central theme: understanding the biology of the skin. These researchers will study the basic mechanisms controlling skin development, normal epidermal biology and responses to injury.

"Numerous diseases and conditions affect the skin, and to better understand them, we need to know more about normal skin biology," said Parks, principal investigator for the grant and a project leader for one of its research components. "Our integrated studies will address fundamental biological processes, and the information we glean will provide us with critical insights into the causes of skin disease."

For the four projects:

- Parks is working on cellular mechanisms that contribute to wound healing. Howard G. Welgus, M.D., professor of medicine, is a co-investigator on this project.

- Michael Caparon, Ph.D., associate professor of molecular microbiology, is investigating the susceptibility of injured skin to bacterial infection, especially to invasion by the disease-causing bacterium *Streptococcus pyogenes*.

- Raphael Kopan, Ph.D., assistant professor of medicine and molecular biology, is working to determine how skin and hair follicles develop through the process of cell differentiation and how this process may be restricted by the expression of a receptor, Notch-1.

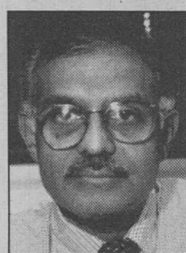
- Sergey Troyanovsky, Ph.D., assistant professor of medicine, is looking at the dynamics and assembly of desmosomes, the structures that bind adjacent skin cells and allow the skin to function properly.

Three core units are supporting this research. The Administrative Core, headed by Parks, provides direction for the project. The Transgenic Core, directed by David M. Ornitz, M.D., Ph.D., associate professor of molecular biology and pharmacology, will

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Mohanakumar awarded named professorship

Thalachallour Mohanakumar, Ph.D., professor of surgery, pathology and medicine, has been named to a new chair, the Jacqueline G. and William E. Maritz Chair in Immunology and



Thalachallour Mohanakumar

Oncology in the Department of Surgery at Barnes-Jewish Hospital and Washington University School of Medicine. This chair was established through a gift to the Barnes-Jewish Hospital Foundation from Jacqueline G. and William E. Maritz, chief executive officer of Maritz Inc. and a longtime community leader. They wished to honor the work of Joel D. Cooper, M.D., the Everts A. Graham Professor of Surgery and head of the Division of Cardiothoracic Surgery at the medical school, who is an internationally recognized pioneer in lung surgery, and Shabbir H. Safdar, M.D., professor of medicine, a longtime area physician who specializes in hematology and oncology.

The appointment was announced by Timothy Eberlein, M.D., the Bixby Professor and chair of surgery, and Peter L. Slavin, M.D., president of the Barnes-Jewish Hospital Foundation.

"This new appointment is a tribute not only to Dr. Mohanakumar's superb and unique research but also to the partnership of visionary civic leaders Bill and Jackie Maritz with Washington University School of Medicine," Eberlein said. "Their support in this time of cost cutting in health care is vitally important, and it emphasizes the important role that these partnerships play in the St. Louis community."

Eberlein added that Mohanakumar is the principal investigator on four separate research grants from the National

Institutes of Health (NIH). "This is phenomenal because fewer than 1 percent of all NIH investigators have more than two such grants," he said.

Mohanakumar's current research focuses on the structure and function of peptides and their possible role in preventing organ rejection, particularly in kidney and lung transplants. He also is working to define the human immune responses to pig organs, which are being considered as transplant options for people, since suitable human organs are in short supply.

Richard Tsien to give Bishop lecture

Richard W. Tsien, Ph.D., will deliver the 43rd annual George H. Bishop Lecture in Experimental Neurology at 4 p.m. Wednesday, May 13, at the School of Medicine. Tsien is the George D. Smith Professor of Molecular and Cellular Physiology at Stanford University School of Medicine. He also has directed the Silvio Conte-National Institute of Mental Health Center for Neuroscience Research at Stanford since 1991.

The lecture, "Surprising Calcium Signaling on Both Sides of Hippocampal Synapses," will take place in Erlanger Auditorium at 4565 McKinley Ave.

Tsien is best known for his research on voltage-gated calcium channels, vital signaling proteins

that link neuronal excitation to cellular responses such as neurotransmitter release, metabolism, gene expression, altered excitability and neurotoxicity.

Tsien received bachelor's and master's degrees in electrical engineering, in 1965 and 1966, from the Massachusetts Institute of Technology. He also was a Rhodes Scholar at Oxford University and earned a Ph.D. there in 1970.

Tsien has received the Cole Medal of the Biophysical Society, the Sherrington Lectureship of the Physiological Society and the Kaiser Award for Teaching at Stanford. He is a member of the National Academy of Sciences, the Institute of Medicine and the Academia Sinica.

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Washington
WASHINGTON UNIVERSITY IN ST. LOUIS

Washington People

Karamustafa mines riches of Islamic cultures

Mention social protest, rebellion and counter-cultural revolution and most Americans immediately conjure up some stereotypical image of the 1960s — long hair, tambourines, strange clothes and lots of hallucinogens. Some Americans, no doubt, would like to stamp the whole anti-establishment movement as something made in the USA, another byproduct of American ingenuity sweeping the globe.

Ahmet Karamustafa, Ph.D., associate professor of Islamic thought and Turkish literature in Arts and Sciences, would beg to differ.

Those who think of hippies as an American icon might gain valuable insight, he suggests, by reading his treatise on the Qalandars, a 13th-century Islamic dervish movement that also favored tambourines and psychoactive drugs, not to mention drums and naked revelry.

Among dervishes, he explains, such bizarre anti-establishment behavior was considered an intensely spiritual act of pious self-denial, an outward sign of disdain for earthly societal norms. It's an intellectual tidbit that might prove useful to anyone seeking answers to social unrest in the '60s.

"I think we in the modern world are all a bit too arrogant at times," Karamustafa said. "We're much too quick to write off whole chapters of human history as intellectually unimportant or irrelevant, when in truth, we have much to learn from thinkers who came long before us. We don't realize it sometimes, but we are always reinventing the wheel."

A native of Turkey and a faculty member here since 1986, Karamustafa is a respected scholar who has traced the evolution of legal, spiritual and philosophical thought throughout the premodern Islamic world.

He also is a sincere and thoughtful advocate for the intrinsic value to be gained by mining the intellectual riches of forgotten cultures.

"Ahmet Karamustafa is one of my Washington University colleagues whose intellectual companionship I miss dearly," said Engin Akarli, Ph.D., a former Washington University Islamic historian now at Brown University. "He can bring the Medieval Muslim mystics to us not only in their authentic words but also as people to whom we can relate as fellow human beings. This is because Ahmet makes an effort to understand them in their social contexts as well as in comparison with other people around the world in different times who had similar concerns and asked similar questions."

Offering a holistic view

Karamustafa's ability to offer a holistic view comes from his intensive exploration of both ancient and contemporary literature, not only within his specialty, but also in other areas and disciplines, as well. His far-ranging interests extend to cartography, a subject on which he has edited a book and published an article that one reviewer described as stimulating, lucid and "nothing short of seminal."

"Ahmet's knowledge of various religions and sects is impressive but so is the depth and sophistication of his understanding of the place of religion in human life," Akarli said. "Moreover, his knowledge is really not to understand religion as such but as a means to understand the complexities and the beauties of the creature we call a human being."

In his 1994 book, "God's Unruly Friends: Dervish Groups in the Islamic Later Middle Period, 1200 - 1500," Karamustafa tells of Barak Baba, who led about 100 dervishes into Syria in 1306. Baba, who made a point of thumbing his nose at authority, liked to wander around nearly naked, wearing only a red cloth around his waist and a reddish turban on his head. His turban sported buffalo horns protruding from either side.

Baba's dervishes were renowned for their "immoral" ways, which included consumption of illegal foods and drugs and failure to observe the ritual Islamic fast. Like the free-spirited flower children of this century, dervishes were castigated as no-account beggars, idiots, lunatics and impostors, both by contemporary church leaders and waves of subsequent religious scholars.

The strange behavior of dervishes had long been written off as an odd and unimportant aberration in the evolution of mainstream Islamic traditions. Karamustafa

began to suspect otherwise during his days at McGill University in Montreal, where he earned master's and doctoral degrees in Islamic Studies in 1981 and 1987.

Karamustafa began to explore accounts of dervishes in an obscure treatise on mysticism written in 1522 by a largely unknown Turkish scholar named Vahidi. His research ended up as a chapter in his doctoral dissertation, but before he could go further, he had to address inconsistencies among a dozen known versions of Vahidi's manuscript.

His research took him to Turkey, where from 1982 to 1983 he combed through ancient documents in the great libraries of Istanbul. From 1983 until 1987, he conducted research from London, completing his dissertation and working as a post-doctoral researcher at the University of Exeter. After locating 20 different versions of Vahidi's manuscript, he began the painstaking detective work necessary to establish which versions most accurately reflect the

It was while pouring through manuscripts in the libraries of London that he met his future wife, Fatemeh Keshavarz, Ph.D., then an Iranian student at the University of London and now associate professor of Persian language and literature in Arts and Sciences at Washington University.

They married in London in 1986 and moved here in 1987 after Karamustafa was offered a job at the University, the only place he applied. Keshavarz's daughter from a previous marriage, Atefeh, attended the University and is now an architect in Chicago. They are now raising two more children, a daughter, Ayla, 9, and a son, Ali, 7. Both are trilingual, speaking English as well as Turkish and Persian.

Karamustafa admits a "serious interest" in music, especially western classical and all sorts of traditional music, including classical Turkish, Iranian and Indian music. He has long played the saz, a Turkish folk instrument in the lute family, on which "he is much more accomplished than he will admit," said Keshavarz.

Keshavarz, a well-regarded literary critic, specializes in classical and modern Persian poetry. She teaches a women's studies course here on family and gender issues in Islamic cultures. And she recently replaced her husband as director of the University's Center for the Study of Islamic Societies and Civilizations, which he ran from 1994 to 1997.

"What's really striking for me about Ahmet's work," said Keshavarz, "is that his life and his work are so one and the same. Questions that come up for him in his research are questions from life, questions that we as human beings need to confront and engage. He doesn't choose a research topic because it is currently in fashion. He looks into issues he considers vital, concepts he needs to tackle for himself and his students."

Another colleague impressed with the range of Karamustafa's expertise is Patout Burns, Ph.D., professor of classics in Arts and Sciences and the Thomas and Alberta White Professor of Christian Thought.

"Ahmet has detailed knowledge of such a variety of aspects of Islamic culture — from law to map-making," Burns said. "He is also intellectually adventuresome. Next fall he'll be teaching a course that compares Jewish, Christian and Muslim views on the soul and the self. We had been talking about this, and he just decided he was going to plunge into it. The registration for the course closed on the second day, and a waiting list began to form."

A "true sage"

As a five-year Executive Committee member for the University's Program in Religious Studies in Arts and Sciences, Karamustafa has pushed to integrate religious and cultural issues further into the curricula of schools and programs across campus. Elizabeth Rodriguez, an undergraduate business major who has taken Karamustafa's religious survey courses, is quick to support the notion.

"I think my understanding of Islamic religious and cultural issues will be tremendously valuable to me as I pursue a career in international business," Rodriguez said. "All students should be exposed to these, especially those in law and business."

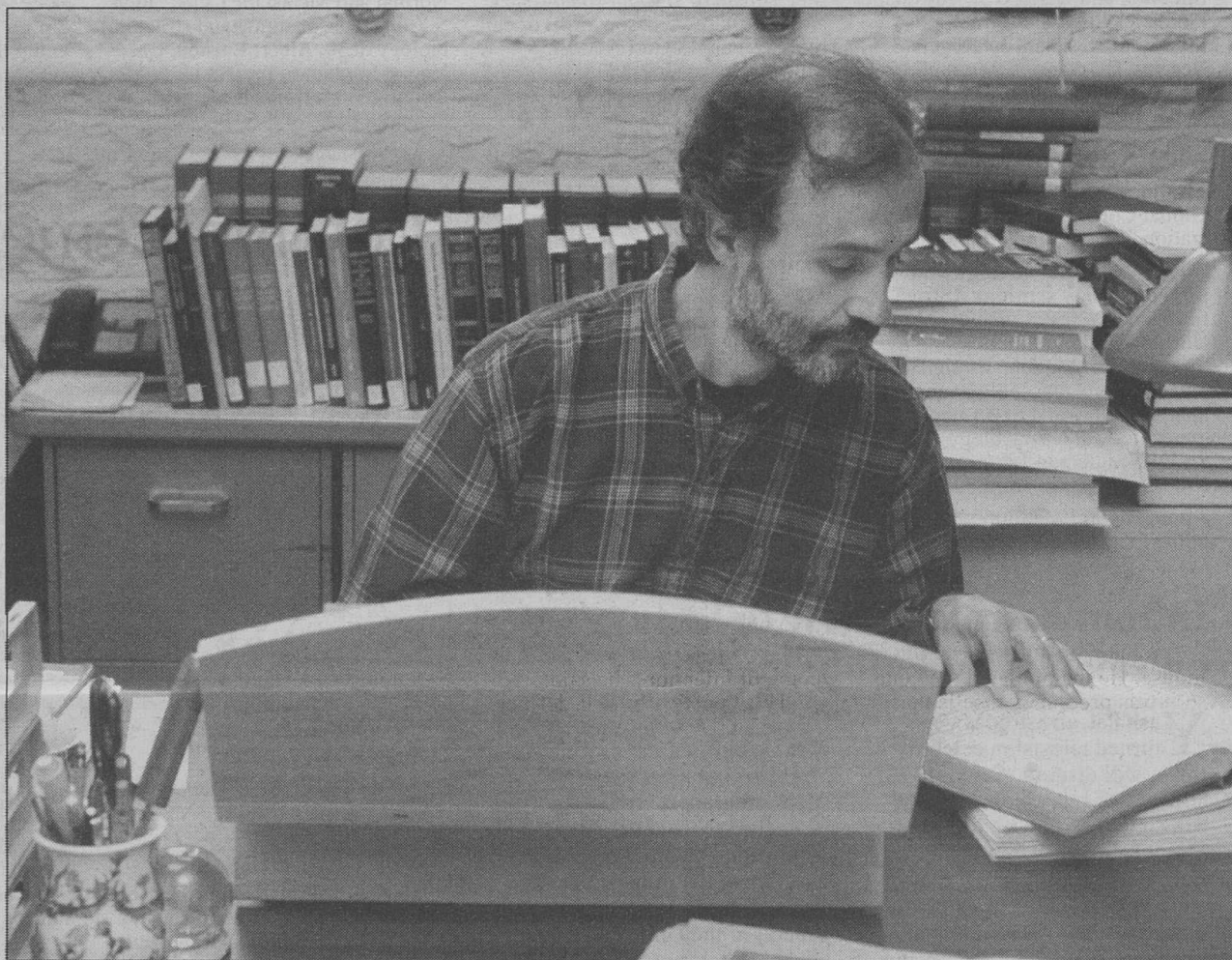
Describing Karamustafa as "one of the few true sages that I've encountered as a student," history doctoral candidate Edward Curtis said he has looked for excuses to work with Karamustafa since taking his course on modern Islam.

"It was not simply Ahmet's razor-sharp intellect or his incredible knowledge of Islamic history and religion that attracted me to him; it was also his quiet, generous and compassionate spirit," Curtis said. "His teaching ultimately demands that the student question his or her most fundamental assumptions not only about Islam but about religion, history and the nature of human consciousness in general."

For Karamustafa, the greatest reward of his work is the opportunity to serve as a translator, a medium or link among great thinkers and scholars of the past and present. While reading a recent book on the philosophy of quantum mechanics, for instance, he was excited to note clear similarities to work by an early Islamic philosopher.

"It's incomprehensible to me that these two thinkers — if they could somehow be brought together — would not have ideas of great value to share with each other," he said. "That's the role that I would most like my work to play, to provoke a lively and informative discussion among scholars from different cultures and times."

— Gerry Everding



Ahmet Karamustafa, Ph.D., traces the evolution of legal, spiritual and philosophical thought in Islamic cultures.

author's original work. His critical edition of the manuscript was published in 1993 by Harvard University.

"The scholarly spade work involved in publishing a critical analysis of an ancient manuscript is like piecing together the shards of a shattered ceramic vase," Karamustafa said. "First you have to determine if the shard is part of your vase, and then you figure out where it fits. In my work, that requires competence in the languages, the sheer tenacity to find manuscripts lost in the holdings of vast libraries and then having the detective skills to establish a reliable text."

"His teaching ultimately demands that the student question his or her most fundamental assumptions"

— Edward Curtis

Karamustafa's research requires an intimate understanding of the Arabic, Persian and Ottoman Turkish languages. But he also is fluent in English, German and French and reads Azeri, Chaghatay and Uzbek.

While he is adamant on the significance of linguistic and textual-critical skills, Karamustafa is anxious to point out that these crafts should be harnessed to real research questions. His own ventures into premodern Islamic history have largely centered around the issue of individualism. In exploring this thorny cluster, he tries to combine social and intellectual history.

Having probed the social dimensions of Islamic mysticism in his book on the dervishes, he is now at work on two manuscripts, one on conceptions of the human soul and the other on the concept of the person in Islamic thought. He is interested in both the philosophical questions of personal identity, consciousness and agency, as well as historical questions that relate to the story of individualism in Islamic societies.

Calendar

Visit Washington University's on-line calendar at
<http://cf6000.wustl.edu/calendar/events/v1.1>

May 7-16



Exhibitions

"Bachelor of Fine Arts Thesis Exhibition." Opening reception Friday, May 8, 5-7 p.m. Exhibit runs through May 15. Gallery of Art. 935-4523.

"Photography Thesis Exhibition." Works by grad. students. Through May 16. Mudd Hall.

"Powerful Grace Lies in Herbs and Plants: A Joint Exhibit on Herbal Medicine." Sponsored by Missouri Botanical Garden Library and Bernard Becker Medical Library. Through August. Seventh floor, Bernard Becker Medical Library, 660 S. Euclid. 362-4235.

"The Book Arts in St. Louis: 1898 to 1998." Through May 22. Special Collections, level five, Olin Library. 935-5495.



Lectures

Thursday, May 7

8 a.m. Pulmonary and critical care medicine lecture. The 22nd annual I. Jerome Flance Visiting Professor of Medicine lecture. "Advances in Antithrombotic Treatment for Venous Thromboembolism." Russell D. Hull, dir., Thrombosis Research Unit, U. of Calgary, Canada. Clopton Aud., 4950 Children's Place. 362-8983.

11:15 a.m. Center for Mental Health Services research seminar. "Surveying Service Providers." Arlene Stiffman, prof. of social work. Room 38 Goldfarb Hall. 935-5687.

Noon. Genetics seminar. "Cell Polarity and Cell Fate in Early *C. elegans* Embryos." Bruce Bowerman, Inst. of Molecular Biology, U. of Ore. Genetics Library, Room 823 McDonnell Medical Sciences Bldg. 362-7076.

4 p.m. Biology seminar. Biology as an Interdisciplinary Science: Fron-

tiers for the 21st Century. "The Salamander Limb as a Focus for Integrated Studies of Development and Evolution." David B. Wake, dept. of integrative biology, UC-Berkeley. Room 322 Rebstock Hall. 935-4656.

4 p.m. Cancer Center Seminar Series. "The Molecular Biology of Hematopoietic Stem Cells and Their Microenvironment." Ihor Lemischka, Lewis Thomas Lab. and molecular biology dept., Princeton U. Third Flr. Aud., St. Louis Children's Hospital. 747-0359.

Friday, May 8

4 p.m. Biology lecture. The Fourth Varner Lecture. "Interdicting Virus Infection and Disease in Transgenic Plants: Cellular and Structural Studies of Resistance." Roger Beachy, The Scripps Research Inst., La Jolla, Calif. Room 162 McDonnell Hall. 935-6860.

Monday, May 11

11 a.m. Physics lecture. "Science, Global Consciousness and Globalization." (See story below.)

Noon. Molecular biology and pharmacology seminar. "Structure-function Studies of the Glycoprotein Hormone Heterodimers Using a Single Chain Model." Irving Boime, prof. of molecular biology and pharmacology and of obstetrics and gynecology. Pharmacology Library: Philip Needleman Library, Room 3907 South Bldg. 362-2725.

4 p.m. Biology seminar. "Regulation of the Eukaryotic Cell Cycle:

Mitotic- and G2 Checkpoint Control." Helen M. Piwnica-Worms, Howard Hughes Medical Inst. and assoc. prof. of cell biology and physiology. Room 322 Rebstock Hall. 935-7569.

4 p.m. Immunology Research Seminar Series. "Notch and T Cell Fate." Ellen Robey, asst. prof. of molecular and cell biology, UC-Berkeley. Eric P. Newman Education Center. 362-2763.

Tuesday, May 12

Noon. Molecular Microbiology and Microbial Pathogenesis Seminar Series. "Lysosome Exocytosis: A Novel Mammalian Cell Pathway Revealed by the Cell Invasion Mechanism of *Trypanosoma Cruzi*." Norma Andrews, assoc. prof. of cell biology, Yale U. Cori Aud., 4565 McKinley Ave. 362-8873.

Wednesday, May 13

8 a.m. Obstetrics and Gynecology Grand Rounds. "Ectopic Pregnancy: Not Necessarily a Surgical Case." Igor Brondz, chief resident, obstetrics and gynecology. Clopton Aud., 4950 Children's Place. 362-7139.

4 p.m. Biochemistry and molecular biophysics seminar. "Biochemistry of Peptide Selection by Histocompatibility Molecules." Emil R. Unanue, the Edward Mallinckrodt Professor and head of pathology. Cori Aud., 4565 McKinley Ave. 362-0261.

Thursday, May 14

Noon. Genetics seminar. "Pleiotropic Effects of *Steel* Mutations in

Indian astrophysicist to lecture on science and globalization

Yash Pal, an astrophysicist turned television celebrity in India, will discuss "Science, Global Consciousness and Globalization" at 11 a.m. Monday, May 11, in Room 241 Compton Hall. Pal, who is visiting the University May 8-11, also will participate in a discussion on "Strengthening the Relationship Between Washington University and India" with Clark D. Cunningham, J.D., professor of law, at 2 p.m. Monday in Room 312 McDonnell Hall. Both talks are free and open to the public.

A former professor at the Tata Institute for Fundamental Research in Bombay, India, Pal has had a distinguished career in

cosmic ray research, high-energy particle physics and astrophysics.

When India launched a massive space program in the 1970s, Pal was asked to head the Space Application Centre responsible for developing instruments for the payload. Pal, former secretary general of the United Nations Global Programme, was chair of India's National Council of Science Museums and of the University Grants Commission, which coordinates and guides India's universities. Today, Pal hosts the most popular science television program on India's national television network.

For more information on his talks, call 935-6279.



Miscellany

Saturday, May 9

9:30 a.m. Saturday workshop. "Digital Photographs." Experiment with a simple digital camera. Cost: \$25. 935-4643.

Monday, May 11

2 p.m. Discussion. "Strengthening the Relationship Between Washington University and India." (See story on this page.)

Commencement Week

The following are activities scheduled during Commencement Week, which runs May 7-16. For more information, call the Commencement Hotline at (314) 935-4355.

Thursday, May 7

7 p.m. Freshman Floor Reunions. Return to where it all began to reminisce. Food provided by the senior class. Dormitory lounges.

9 p.m. Bedtime Story with Former Chan Dan. Relive a bit of freshman orientation by enjoying a bedtime story read by former Chancellor William H. Danforth. Graham Chapel.

10 p.m. The Last Rat Night ... Ever. Celebrate a favorite Thursday night tradition with friends at the Rat, plus karaoke in the Gargoyle. The Umrathskellar.

Friday, May 8

9 a.m. Float Trip.* Rafting on the Meramec River. Buses depart from Mallinckrodt Center.

Saturday, May 9

3 p.m. Six Flags St. Louis. Buses depart for the theme park from Mallinckrodt Center.

Sunday, May 10

10 a.m. Senior Service Day. Spend a few hours giving back to the St. Louis Community through a Habitat for Humanity project. Buses depart from Mallinckrodt Center.

9 p.m. Senior Movie Night.* Esquire Theater, 6706 Clayton Road. 781-3300.

Monday, May 11

5 p.m. St. Louis Cardinals Baseball Game.* Buses depart from Mallinckrodt.

Tuesday, May 12

9 p.m. Put on Your Dancin' Shoes!* Buses depart for InCahoots from Mallinckrodt Center.

Wednesday, May 13

6 p.m. A Night on the Town.* Seniors can take advantage of discounts at establishments at Laclede's Landing, Soulard and the Delmar Loop. Buses depart from Mallinckrodt Center.

6 p.m. Black Senior Alliance Banquet. Join family and faculty for a special banquet. Orlando Gardens, 8352 Watson Road. For ticket information, call Student Activities at 935-5994.

7 p.m. Sever Institute Graduate Division of the School of Engineering and Applied Science. Edison Theatre; reception follows in Bowles Plaza. Rain location: Schoenberg Gallery, Mallinckrodt Center.

7:30 p.m. University College Recognition Ceremony. May Aud., Simon Hall. Reception follows in Simon Courtyard.

Thursday, May 14

11 a.m. Eliot Honors Convocation. Recognition ceremony for honor students, family and friends. Field House, Athletic Complex.

2 p.m. School of Engineering and Applied Science Recognition Ceremony for Undergraduates. Field House, Athletic Complex.

4:30 p.m. College of Arts and Sciences Recognition Ceremony. Field House, Athletic Complex.

5 p.m. School of Medicine Reception. Olin Hall Student Center.

8 p.m. Riverport Casino Night.* Catch the bus to Harrah's and Players Island casinos for discounts and free passes. Buses depart hourly from Mallinckrodt Center.

8 p.m. School of Art Recognition Ceremony. Graham Chapel.

Friday, May 15

8:30 a.m. 137th Commencement. Brookings Quadrangle. (The order of exercises will be published in the next issue of the Record.)

Saturday, May 16

6 p.m. One Day Reunion.* Alumni from the fifth through the 65th reunions gather for cocktail parties, a parade and dinner. Class of '98 Tent, Graham Chapel lawn.

*Pre-registration required.



Exploring new trends

Brian Gualtieri (right), a senior and teaching assistant at the School of Architecture, inspects the craftsmanship of an 8-foot cubic structure co-designed by architecture freshman Jayme Streitfeld (left). Streitfeld and fellow freshmen Lauren Stern, Solana Rice, Lee Devore and Karen Budell created the cube to express "What's New" in the field of dance. The cubes, designed by students in Associate Professor of Architecture Jim Harris' studio to express different aspects of the "What's New" theme, are slated for display in several locations throughout the campus.

Star for Bill Gass — from page 1

The other four new inductees are pianist Johnnie Johnson, actor Kevin Kline, chef Irma Rombauer (author of "The Joy of Cooking") and baseball Hall of Famer and St. Louis Cardinals' coach Albert Fred "Red" Schoendienst.

The five new stars will be installed on the south side of Delmar Boulevard in a westerly direction toward Kingsland Avenue. The induction ceremony takes place on an outdoor stage at 6500 Delmar Blvd., next to Blueberry Hill



William H. Gass

(rain location is the Tivoli Theatre, 6350 Delmar). The festivities kick off at 1:30 p.m. with a free concert of ragtime and Dixieland jazz, followed

by a keynote address from KSDK-TV's Karen Foss and the induction of the honorees. Gass, Johnson and Schoendienst are expected to attend, as will Rombauer's grandson, Jeff Rombauer. Kline is in Italy making a movie.

Gass is the author of the novels "Omenseer's Luck" (1966), "Willie Masters' Lonesome Wife" (1968) and "The Tunnel" (1996) and a short story collection, "In the Heart of the Heart of the Country" (1968). He is also the author of five collections of essays, two of which — "Habitations of the Word" (1985) and "Finding a Form" (1996) — have won National Book Critics Circle Awards for criticism. His "Cartesian Sonata: Four Novellas" will be published later this year by Knopf, and he has recently completed a translation of Rainer Maria Rilke's "Duino Elegies," titled "Reading Rilke." Gass said that he hopes to write another collection of novellas and is currently at work on "Body, Book and Building: Essays on Literature and Architecture" as well as a collection of his photographs with which he intends to

illustrate a book on the aesthetics of photography.

Gass joined the University faculty in 1969 as a full professor and was named the David May Distinguished University Professor in the Humanities in 1979. In 1990, he founded the International Writers Center, which presents an annual reading series and other programs and events, and he continues to serve as its director.

A native of Fargo, N.D., Gass received a bachelor's degree in philosophy in 1947 from Kenyon College in Gambier, Ohio, and a doctorate in philosophy in 1954 from Cornell University. He was a professor of philosophy at Purdue University for 14 years before coming to Washington University.

The University City walk is modeled on the famous Hollywood star walk, which was begun in 1958 by Los Angeles theater owner Harry M. Sugarman. But Edwards pointed out some significant differences between the Delmar walk and its California inspiration: While the Hollywood walk contains no biographical information about its stars, the Delmar walk includes a bronze plaque with a short description of its subject's accomplishments. Also, while the Hollywood star requires that its subject pony up a \$10,000 sponsorship fee, inclusion in the Delmar walk is strictly gratis.

Inductees are selected by a panel of 120 prominent St. Louisans. The requirements for induction are that the nominee either have been born in St. Louis or have spent their formative or creative years here and that their accomplishments have had a national impact on American culture.

The Walk of Fame receives funding from a number of sources, including the Regional Arts Commission, the University City Loop Special Business District and private donors.

— Liam Otten



Third-year law student Patricia Davis (center) discusses an ethics question in the new "Ethics of Lawyering in Government" course taught by Kathleen Clark, J.D. (right), associate professor of law, in conjunction with the School of Law's Washington, D.C., clinic.

Law students explore ethics issues in highly charged capital climate

Paula Jones ... Monica Lewinsky ... Linda Tripp ...

Kathleen Willey ... Kenneth Starr. Secret tapings of phone conversations ... witnesses allegedly induced to lie under oath ... high crimes and misdemeanors. While news of presidential scandal inundated third-year law students in the Washington, D.C., clinical program, a new component in the 20-year-old practicum analyzed broader ethical issues in government.

Taught by Kathleen Clark, J.D., associate professor of law, the course covered the ethics of policy making, regulation of governmental officials and the law governing lawyer conduct, as well as professional rules specific to government lawyers and lobbyists. For Clark, an expert in governmental ethics, the Clinton scandal headlines added a heightened awareness to the course, but

the focus was on more subtle issues.

"I have had people tell me the sex scandals must have made the course timely," she said. "But ethics is always timely — it's a perennial, not an annual. You can count on ethical issues like you can count on it to rain in April."

The "Ethics of Lawyering in Government" course, which was taught in conjunction with the semesterlong Congressional and Administrative Law Clinic, featured guest speakers actively involved in ethics litigation or government decision making. "The course emphasized recent developments, including significant federal court rulings, disciplinary decisions and some of the many scandals and legal controversies that have involved lawyers in government," Clark said.

In addition to hashing out ethical issues, the 24 students in the clinic this spring worked either in a congressional office or the general counsel's office of a federal administrative agency. Agency assignments included the National Aeronautics and Space Administration, Securities and Exchange Commission and the Environmental Protection Agency.

While being on Capitol Hill added to third-year law student Brooke Floren's awareness of the news surrounding the Clinton scandal, she said the saga was not really a distraction for legislative staffers. "While there was plenty of interest, there was not a lot of overt conversation in the office. We still had a lot of work to do," said Floren, who worked with the staff of Sen. Edward Kennedy, D-Mass., on issues that came before the Judiciary Committee and specifically on grant legislation for educational initiatives addressing domestic violence.

Third-year student Jeffrey Chod worked in the office of Senate Minority Leader Tom Daschle, D-S.D., on the availability of emergency 911 service in rural areas and legislation involving "house parents" in group homes. Chod said he was surrounded by constant reports on the latest twist in the Clinton saga allegations, and the senator's office was peppered with calls from the media. But while the atmosphere added to the ethics course, the various speakers discussing ethical nuances are what made the course worthwhile, Chod said.

"The course provided different perspectives on the variety of ethical issues from experienced attorneys and shed light on certain angles that we might not previously have contemplated," Chod said.

Topics ranged from confidentiality issues to First Amendment challenges of ethics regulations

to questionable billing practices. High profile speakers included:

- Webster Hubbell, a former U.S. Department of Justice official and Rose law firm partner, who served time in jail for mail fraud and tax evasion and now faces additional charges. The original charges stemmed from allegations of embezzlement and questionable billing of clients to cover his credit card debt.

- Timothy Phelps, one of the two journalists to whom the Anita Hill sexual harassment allegations were leaked at the time of Clarence Thomas' nomination to the U.S. Supreme Court; Mark Disler, chief counsel on Sen. Orrin Hatch's, R-Utah, judiciary staff during the Hill-Thomas hearings; and Cynthia Hogan, then general counsel on Sen. Joseph Biden's, D-Del., staff. The class focused not only on lawyers' and government officials' ethical and legal obligations of confidentiality, but also on the practices of authorized and unauthorized leaking of information to the media and the efficacy of post-leak investigations.

- John Bates, an associate independent counsel who successfully argued before the 8th Circuit that White House lawyers' notes of conversations with the first lady were not protected by attorney-client privilege, and Miriam Nemetz, then associate counsel to the president, whose notes were the subject of a subpoena in the Whitewater investigation.

- Steven Kohn, a lawyer who has represented government employees in First Amendment challenges to regulations issued by the Office of Government Ethics, discussing problems with the ethics rules. Kohn, who represented an FBI crime lab employee who "blew the whistle" on the FBI's handling of evidence, also touched on ethical issues related to whistleblowing.

- Michael Bromwich, inspector general for the Justice Department, on the role of inspectors general.

The clinic, which was started in 1978 by Merton Bernstein, LL.B., the Walter D. Coles Professor of Law Emeritus, provides students with hands-on experience ranging from researching and writing legislation to assisting with administrative agencies' rule-making and case-handling procedures. The practical experience component is now overseen by clinic co-director Susan Kaplan, J.D., visiting associate professor of law, who served on former Sen. Paul Simon's, D-Ill., Constitution Subcommittee staff.

Clark said the practical experience and the ethics component mesh nicely. "The students' semesterlong exposure to a government office allows them to see the subtlety of the ethical issues government officials face and the intermingling of the law and politics," she said.

— Ann Nicholson

Sports

Compiled by Mike Wolf, asst. athletic director for media relations, and Kevin Bergquist, asst. director, sports information. For up-to-date news about Washington University's athletics program, access the Bears' Web site at rescomp.wustl.edu/~athletics/.

Baseball Bears finish 18-21

Finishing the 1998 season with four straight losses, the baseball Bears finished below the .500 mark (18-21) for the second straight season. After climbing above the .500 mark with a 6-3 victory over Webster University Friday, May 1, the Bears were swept by Greenville (Ill.) and MacMurray (Jacksonville, Ill.) colleges Saturday and Sunday, May 2 and 3.

Final Record: 18-21

Track and field squads host meet

The men's and women's track and field teams host their Last Chance Meet Friday, May 8, at the Bushyhead Track and Francis Field. The Bears, who already have a pair of NCAA Division III automatic qualifiers in juniors Claudine Rigaud (100 meters) and Emily Richard (10,000 meters), seek to improve their best times before the NCAA Division III Outdoor Championships — May 21-23 at St. Paul, Minn. Field events begin at 3 p.m.

This Week: 3 p.m. Friday, May 8, Bears host Washington University Last Chance Meet, Bushyhead Track and Francis Field.

W Club honors two

Seniors Amy Schweizer and Thor Larsen are the 1997-98 recipients of Washington University's W Club Distinguished Senior Athlete of the Year Award.

Established in 1989-90 by the school's athletic support group, the W Club Distinguished Senior Athlete of the Year Award is bestowed annually to a male and female athlete for their contributions to the University's athletic program.

Washington's all-time leading women's basketball scorer, Schweizer capped her four-year career by leading the Bears to their first NCAA Division III national championship this year.

One of Washington's most decorated two-sport athletes, Larsen helped lead the Bears to their first UAA titles in both football and baseball. Garnering a total of four UAA crowns (three in football, one in baseball), Larsen was a seven-time all-UAA honoree, earning four citations as a football quarterback and three as a baseball pitcher. He was named the UAA's Player of the Year in baseball in 1996.

Lopata Rookie honors conferred

Freshmen Carrie Register and Ryan Patton are the 1997-98 recipients of the Stanley and Lucy

Lopata Rookie of the Year awards.

Named in honor of two active and dedicated supporters of the University, the Lopata Rookie of the Year awards were inaugurated in 1997 and are presented annually to one male and one female athlete. This year's awards were announced at the W Club Sports Banquet April 27.

The 1998 UAA Women's Swimmer of the Year, Register capped her first season here by qualifying for the NCAA Division III Championships in three events (200, 500 and 1,650 freestyle). Register, who helped guide the Bears to a best-ever third-place finish at the 1998 conference meet, became only the second swimmer in University history to win three events at the league's annual competition.

Becoming only the second full-time rookie starter in the University's 17-year history as an NCAA Division III basketball program, Patton savored a stellar freshman season as the Bears' point guard. He recorded 160 assists in 24 games for a 6.7 per game average—the third highest single-season total in school history. His assist total also ranked eighth among Division III basketball players and first among all freshmen athletes.



Richard L. Axelbaum, Ph.D., associate professor of mechanical engineering, demonstrates a model of his device at his synagogue, Young Israel of St. Louis. The device creates an optical illusion permitting one-way viewing through a wall separating men and women in Orthodox Jewish worship.

Engineer's design finds many uses — from page 1

Axelbaum created a modification of a see-through mirror to remedy the situation. Taking the standard design of such a mirror, angling it at 45 degrees and incorporating it into an assembly that resembles horizontal window blinds, he painted the panel above the mirror black and put a wallpaper design on the panel below the mirror. On the women's side, light reflecting off the black panel and bouncing off the mirror back to a person's eyes reflects the darkness. The image is practically unnoticeable and lets women see through. However, on the men's side, the light reflects the brightly colored wallpaper and nothing else, so what the men see is a wallpaper design. The age-old problem is solved without changing light intensity and without offering one side a mirror image.

"It's an optical illusion that forces people to see what you want them to see," Axelbaum explained. "The beauty of it is, it's a simple, compact design for an optical illusion that you can use in everyday applications."

The design is in use at his own synagogue, Young Israel of St. Louis, and a variation of it is being installed in another St. Louis synagogue.

Because Axelbaum's device does not require dimness on one

side, it is particularly useful in the home. In an era of rapid suburban sprawl, such a device could protect privacy.

"I was explaining the *mechitza* to a group at the National Council when a woman interrupted and said she needed one of these in her kitchen," he said. "She explained that she had always enjoyed the sunlight through her kitchen window, but someone had built right next to her and their window faces hers directly. She doesn't want people looking into her house but wants sunlight from the outside. With this design, you can make windows so people can see out but others can't see in."

The drawback of the traditional see-through mirror is that in the darkness of evening, people outside can look in, but people inside can't look out. With Axelbaum's design, a homeowner or businessperson always can control seeing out and preventing those outside from seeing in.

The view from the outside doesn't have to be a wallpaper design. It can be a partial silvering or a white finish, anything that reflects bright light. Axelbaum also said the concept could be used with horizontal or vertical blinds.

Axelbaum's engineering research is in the area of combus-

tion synthesis of nanometer-sized particles for the design of new materials. Using a sophisticated sodium/halide flame, he creates new nanoparticles for use in aerospace, defense, medical, sports and recreation industries, among others. He uses lasers and optics to measure temperature, fluid velocities and gas composition to understand the makeup of the flame and thus has a thorough understanding of light, reflection and optics.

He stumbled across his concept accidentally. While attending a synagogue in another city, he glanced at the *mechitza* and thought it had been placed at an angle. He later was told that it was actually placed straight up and down and that he, ironically, had seen an illusion.

"I never looked at the *mechitza* directly, just out of the corner of my eye," he explained. "It was just my imagination, but that started me thinking about putting the see-through glass at an angle, and then the ideas for the design started flowing," he said.

While there may be other applications as a result of his concept, Axelbaum said he takes his greatest pride in its use to enhance the synagogue experience.

— Tony Fitzpatrick

New chair honors Andrew Craig III — from page 1

banking industry," Wrighton said. "I can't think of a more appropriate way to celebrate his distinguished career than with the establishment of a chair in his honor. This is a major gift to the University. We are grateful to NationsBank for this very generous commitment and to Andy, who inspired the gift."

Business school Dean Stuart I. Greenbaum said that the school will begin the search for an outstanding faculty member to fill the NationsBank Chair in Managerial Leadership in honor of Andrew B. Craig III will provide a natural focal point and energy for teaching and research in leadership and management for our school," Greenbaum said. "Olin is honored to have the names of such prominent industry leaders, NationsBank and Andy Craig, permanently associated with our management education programs. The impact on the school will be profound."

William H. Danforth, chairman of the University's Board of Trustees, said: "This is a well-deserved tribute to Andy by his colleagues and a wonderful gift from NationsBank. Having a professorship associated with such important names in the corporate, civic and charitable sectors of our community increases the distinction of

the Olin School of Business and demonstrates NationsBank's commitment to Washington University and to St. Louis."

NationsBank, with \$315 billion in total assets, is the third largest U.S. bank with full-service operations in 16 states and the District of Columbia. NationsBank provides financial products and services to more than 17 million households and one million businesses as well as institutional investors and government agencies in 46 states and in major markets around the world.

Craig has been a leader in the St. Louis community since 1985 when he moved here as president of Boatmen's Bancshares Inc. He was named chief executive officer of the firm in 1988 and chairman of its board of directors the following year. Boatmen's Bancshares merged with NationsBank in 1997.

Craig is active in many local organizations, chief among them Washington University. He has served on the University's Board of Trustees since 1988 and currently serves on the board's Development Committee and Medical Finance Committee. In addition, Craig is a member of the business school's National Council and is a former member of the Arts and Science's National Council.

Craig's community involvement

has included leadership roles in a number of civic and charitable institutions, among them the St. Louis Council, Boy Scouts of America and the Greater St. Louis Area Economic Development Council. He is past president and chair of Civic Progress and has served on the board of The Saint Louis Art Museum. In 1996, Craig was named Man of the Year and used the occasion to challenge local leaders to undertake far-ranging efforts to commemorate the centennial of the 1904 World's Fair. In response to Craig's call to action, the St. Louis 2004 non-profit organization was established with more than 1,000 volunteers working to improve the region.

Craig began his career in 1957 at Manufacturers and Traders Trust Co. in Buffalo, N.Y., where he later became president and chief executive officer. In 1983, he took the helm of BancOhio National Bank in Columbus, Ohio. He is a past member of the board of directors of the American Bankers Association, Bankers Roundtable and the International Financial Conference. Craig also serves on the boards of NationsBank, Laclede Gas Co., Grupo Modelo and BJC Health System.

— Barbara Rea

April Welcome '98 brings 1,107 students to campus

A record-breaking number of visitors came to Washington University last month for April Welcome. A total of 1,107 admitted students attended the sixth annual event, up 24 percent from last year's numbers. In addition, 329 students attended Multicultural Celebration Weekend held April 16-19, an increase of 22 percent from last year. About 500 high school juniors also visited campus during April.

April Welcome is a monthlong opportunity for admitted students to experience the University community and the St. Louis area. Of those who participate, about half will enroll at the University, said Nanette Clift, director of recruitment in the Office of Undergraduate Admissions.

"We are thrilled to have welcomed a record number of admitted students this year," Clift said. "As in past years, our visitors found a warm and friendly atmosphere. A huge thank you to the entire Washington University community for all their help during April." Among those who

assisted throughout the month, Clift noted that many members of the University community volunteered their time to greet Multicultural Celebration Weekend visitors at Lambert-St. Louis International Airport.

Visitors got a taste of the unique flavor of the University through a packed schedule of events, including campus tours, athletic events and special workshops and presentations. They attended classes and stayed with current students in the residence halls. Chancellor Mark S. Wrighton hosted a dinner for the visitors April 18.

Visitors also experienced the spirit of St. Louis through trips to St. Louis Cardinals' and Blues' games, The Saint Louis Art Museum, the St. Louis Science Center and the Saint Louis Symphony Orchestra.

The admitted students were chosen from another record-breaking number: 16,200 applications representing a 17 percent increase from last year. When the Class of 2002 enters the University in the fall, it will be made up of about 1,240 students.

Suga elected to Academy — from page 1

His results might have implications for human neurology as well. One goal would be a better understanding of how the human brain processes speech sounds.

"This is one of the highest honors a scientist can achieve, and it is a most worthy award for Professor Suga," said Edward S. Macias, Ph.D., executive vice chancellor and dean of Arts and Sciences. "Working with excellent students, he has been very active in an important area of research. I'm just delighted his peers recognize his talent and achievements in this way. He's the kind of faculty member we highly value as part of the Washington University community."

Oscar P. Chilson, Ph.D., chair of the Department of Biology, also expressed enthusiasm for Suga's election. "Nobuo is an excellent colleague and an exceptional teacher as well as an extraordinary scientist," Chilson said. "Those of us who have followed the progress of his research since he first arrived on campus are particularly delighted that he has been appropriately recognized. As soon as we confirmed the news, a small celebration in honor of the occasion was quickly organized Tuesday afternoon. Dr. Suga," he added, "is the only one of our faculty who is truly surprised at his election."

Suga was born in Japan and attended the Tokyo Metropolitan

University where he received a bachelor's degree in 1958 and a Ph.D. in biology in 1963. He joined the Harvard University biology department in 1963 and began his studies of the bat auditory system. He was assistant research zoologist at the University of California-Los Angeles from 1965 to 1966; he then became an assistant research neuroscientist at the University of California-San Diego where he worked from 1966 to 1969.

He is a fellow of the American Academy of Arts and Sciences, the American Association for the Advancement of Science and the Acoustical Society of America. He is a member of the International Society for Neuroethology, the Society for Neuroscience and the Association for Research in Otolaryngology and has authored or co-authored more than 150 publications.

Suga was one of 60 Americans elected this year in recognition of their "distinguished and continuing achievements in original research." The academy also elected 15 foreign associates.

The academy is a private organization of scientists and engineers dedicated to furthering science. An act of Congress, signed by President Abraham Lincoln, established the academy in 1863 to act as an official adviser to the government in matters of science and technology. — Tony Fitzpatrick

Campus Watch

The following incidents were reported to University Police from April 27–May 3. Readers with information that could assist in investigating these incidents are urged to call 935-5555. This release is provided as a public service to promote safety awareness and is available on the University Police Web site at <http://rescomp.wustl.edu/~wupd>.

April 28

1:42 p.m. — A student reported illegal access to and use of an e-mail account in Ridgley Hall. An investigation is continuing.

6:58 p.m. — A student reported the theft of \$500 in cash from a drawer in a room in Dauten Residence Hall.

April 29

2:52 p.m. — A faculty member reported seeing a man pushing a bicycle in a hallway in Crow Hall. The faculty member recognized the bicycle as a student's and shouted for the man to stop; the suspect then fled. Further

investigation revealed that a watch and a woman's purse containing cash, credit cards and keys had been stolen from an unlocked office. Total value was set at \$490. The suspect is described as African American, about 6 feet tall and slender.

April 30

2:55 p.m. — A student reported the theft of a rented amplifier valued at \$3,400 from Mallinckrodt Center.

University Police also responded to four additional reports of theft and four reports of vandalism.

Architecture school honors six outstanding alumni

The School of Architecture honored six outstanding alumni at its fifth annual Distinguished Alumni Awards Dinner held Friday, May 1, at Holmes Lounge in Ridgley Hall.

Receiving Distinguished Alumni awards were Janet Baum, AIA; George Matsumoto, FAIA; Edouard Mutrux; and Kenneth Schaefer, FAIA. Susan Pruchnicki, AIA, received the Young Alumni Award, honoring a graduate from the last 15 years, and I.E. Millstone was awarded the 1998 Dean's Medal.

Baum, a founding partner at St. Louis-based Health, Education + Research Associates Inc., was recognized for her expertise in laboratory planning and design and for her commitment to disseminating information on the field's standards of practice. The author of seven books, she is an expert on safety considerations in research and development facilities for medical, biotechnical and pharmaceutical clients. Baum teaches laboratory and biotechnical facility design courses at Harvard University. A St. Louis resident, she is vice president of the American Institute of Architects (AIA) Academy

of Architecture for Health and director of the AIA St. Louis chapter. She received a bachelor's degree in architectural sciences in 1966 from the University and a master of architecture degree from Harvard in 1970.

Matsumoto, founder of the San Francisco-based George Matsumoto and Associates, Architects and Planners, was recognized for his award-winning design accomplishments and contributions to the academic community. The recipient of more than 50 professional design awards, Matsumoto established his practice in 1967. Major design accomplishments include: Bechtel Engineering Center at the University of California at Berkeley, School of Nursing at the University of California-San Francisco, military housing at the Presidio in San Francisco and Mountain View (Calif.) Buddhist Temple. He also taught architecture at the University of Oklahoma in Norman, North Carolina State University in Raleigh and the University of California at Berkeley. He received a bachelor of architecture degree in 1944 from the University and a master of arts degree from Cranbrook Academy of Art in

Bloomfield Hills, Mich., in 1945.

Mutrux, a St. Louis architect, teacher and school planner, was recognized for significant contributions to modernist architecture and development of one of the country's most recognized mid-century architectural firms with William Bernoudy. Mutrux's best-known work includes, in the St. Louis area, an office-residence that now is a state historic landmark, Temple Emmanuel, United Hebrew Temple renovation, Beaumont Pavilion in Brookings Quadrangle and the Saint Louis Zoo's main entrance. Mutrux taught at the architecture school in the 1940s and served as St. Louis Public Schools' director of engineering. The eldest of 12 siblings to attend the University, he received a bachelor of architecture degree in 1930 and master of architecture degree in 1931.

Schaefer, a project architect at St. Louis-based Sverdrup & Parcel and Associates Inc. for 28 years until retiring in 1986, was recognized for his professional achievements, volunteer efforts with the AIA and community involvement. Major construction projects he has overseen include Busch Memorial Stadium,

Ralston Purina Research Center, Lambert-St. Louis International Airport terminal renovation and the Wright-Patterson Air Force Base Research Building in Dayton, Ohio. Active on numerous municipal boards and in community organizations, Schaefer also has been integral to the AIA Documents Board and the AIA St. Louis chapter's library. He received a bachelor of architecture degree in 1940 and master of architecture degree in 1941, both from the University.

Pruchnicki, a project architect at St. Louis-based Mackey Mitchell and Associates, received the Young Alumni Award for her efforts to bridge the gap between the study and practice of architecture and for her service to the University. Her noteworthy design work includes the Center for Molecular Electronics at the University of Missouri-St. Louis, the Père Marquette Gallery at Saint Louis University, the Veterans Affairs Building at Union Station and the St. Louis Firefighters Memorial. She has provided outstanding service to the architecture school as a member of its Alumni Advisory Council, co-chair of the Young Alumni

Group (which she co-founded) and an instructor in the school's Discovery Program. She received a bachelor's degree in 1986 and master of architecture degree in 1988, both from the University.

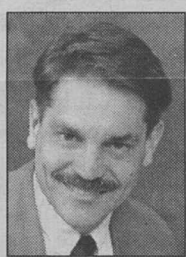
Millstone, a St. Louis philanthropist, civic leader and founder of Millstone Construction Co., was awarded the Dean's Medal for exemplary commitment to and leadership at the University as well as his lifelong humanitarian efforts. His company's imprint is on a large majority of bridges, highways, major buildings and public housing projects in St. Louis and elsewhere, including locally Malcolm Bliss Hospital, Monsanto Co. power plant, Anheuser-Busch Cos. Inc. fermenting tanks and Busch Memorial Stadium. President of The Millstone Foundation, which benefits local charities, Millstone has served on many community service boards. A lifetime trustee of the University and a member of the architecture school's National Council, Millstone established a scholarship program for architecture students. He received a bachelor of science in architectural engineering in 1927 from the University.

— Ann Nicholson

Joseph Allen receives Fulbright award to study in Taiwan

Joseph Allen, Ph.D., associate professor of Chinese languages and literatures in Arts and Sciences, has won a Senior Scholar Fulbright grant to conduct research in Taiwan next academic year.

"My research project is a cultural study of Taipei City,"



Joseph Allen

Allen said. "I'll be looking at architecture and cityscape as a reflection of cultural and ethnic change in Taiwan."

Allen will leave for Taiwan in September and spend about nine months there working on the project. His work will be affiliated with Academia Sinica, the primary research institution on the island. He expects to be one of four Fulbright scholars working in Taiwan next year.

William Kirby, Ph.D., who taught Asian studies here before becoming chair of history at Harvard University, credits Allen's work in this area with providing a cultural, economic and political landscape that is helping scholars gain a better

understanding of both Taipei and Taiwan.

"Joe Allen is engaged in a most exciting project: investigating the cultural evolution of one of Asia's most dynamic and complex cities," Kirby said. "His work on Taipei transverses the Qing, Japanese, Nationalist and — dare we say — post-Nationalist eras of Taipei, above all through its changing spaces. It is a work of big ambition, using architectural history to tell a larger story and — to judge from a paper he gave here at Harvard — already big results."

For several years, Allen has taught an undergraduate course on the history and culture of Taiwan. He credits the course with spurring his interest in topics he will explore in Taiwan.

"This research project evolved out of reading and work for that class," Allen said. "It represents a new line of research and methodology for me."

Another important influence on his new research focus, Allen said, is a Taiwan studies group he helped establish four years ago with other University faculty and with interested Asian scholars from the University of Missouri-St. Louis and Southern Illinois University-Edwardsville. The Chiang Ching-kuo Foundation of

Taiwan provided the study group with three years of funding for conferences and workshops.

"One of the workshops sponsored by the study group was based on the period of Japanese rule in Taiwan and its legacy," Allen said. "My research project is related to that period, and the workshop played an important role in helping me develop a thorough research proposal for the Fulbright competition."

Allen also spent the 1987-88 academic year in Taiwan on a Fulbright fellowship that involved work on a contemporary poetry project. That Fulbright resulted in the 1993 publication of Allen's "Forbidden Games and Video

Poems: The Poetry of Yang Mu and Lo Ching" by the University of Washington Press.

He is one of about 2,000 U.S. researchers, lecturers and students who will travel abroad for the 1998-99 academic year through the Fulbright Program, which is considered the nation's most prestigious fellowship for research abroad in the humanities and social sciences. Designed "to increase mutual understanding between the people of the United States and the people of other countries," the program was established in 1946 under legislation introduced by the late Sen. J. William Fulbright of Arkansas.

— Gerry Everding

Fulbright applications due Aug. 1

The window of opportunity for lecturing or advanced research in one of nearly 130 countries as a 1999-2000 Fulbright scholar is open until Aug. 1, 1998.

That date is the application deadline to college and university faculty and professionals outside academe for awards ranging from two months to a full academic year. The basic

eligibility requirements are U.S. citizenship and a Ph.D. or comparable professional qualifications (for certain fields, the terminal degree in the field may be sufficient).

For more information, contact Priscilla Stone, Ph.D., administrative coordinator in African and International Studies in Arts and Sciences, at 935-7647 or pstone@artsci.wustl.edu.

Mellon Foundation issues \$40,000 grant for literature and history seminar

Washington University has received a \$40,000 grant from the Andrew W. Mellon Foundation in support of an interdisciplinary seminar for Arts and Sciences dissertation students in the humanities and social sciences, announced Edward S. Macias, Ph.D., executive vice chancellor and dean of Arts and Sciences. This is the second grant from the Mellon Foundation for a dissertation seminar.

The seminar will be directed by Steven N. Zwicker, Ph.D., professor of English and co-director of the program in literature and history in Arts and Sciences. In the summer of 1996, Professor Zwicker directed the University's first Mellon Dissertation Seminar, "Politics and Literary Culture in the Early Modern Period." Joining that seminar were dissertation students in English, history, romance languages, comparative literature, philosophy and art history.

The theme for the 1998 Mellon Seminar will be "Material Culture and Intellectual Production in the Early Modern Period." This seminar will explore some of the systems of material culture in the Renaissance — the theater, artistic patronage, book production and distribution — in order to consider how institutions and material practices shaped aesthetic and political genres and modes. As before, the seminar intends to address the interplay between literary, political and artistic texts and the circumstances of their production, distribution and consumption.

"We are pleased to be able to offer to our graduate students this excellent opportunity for interdisciplinary study," Macias said. "The seminar builds on our present strength in literature and history while also providing enhanced opportunities for both students and faculty to explore points of contact between their disciplines."

The grant is part of a program that the Mellon Foundation has instituted at a select group of universities to address interpretive and professional issues that frequently arise at the dissertation phase in graduate education and that ultimately affect students' timely progress toward completion of their degree requirements.

The Mellon Dissertation Seminar will run from June 15

through July 24. Graduate students in the humanities and social sciences are invited to apply. Students attending the seminar will receive an \$1,800 stipend for the six-week program.

To obtain an application form, contact Zwicker at 935-4405 or 727-1287 or Marie Lay in the Department of English at 935-5190. Application deadline is May 15.

Skin biology grant — from page 2

create and supply animal models. Pui-Yan Kwok, M.D. Ph.D., assistant professor of medicine and genetics, also will provide DNA sequencing support for this core. The Histology Core, directed by Carole L. Wilson, Ph.D., research assistant professor of medicine, will process tissue samples.

The School of Medicine has one of the largest skin-related groups in the country. The researchers engaged in this

project have long-standing research interests in the areas they will be studying.

"This grant brings together a group of investigators who are doing outstanding, state-of-the-art work," Parks said. "It gives us a mechanism for expanding our work in this area and establishing a productive collaboration with a complementary blend of cellular, molecular, biochemical and genetic approaches."

— Candace O'Connor

Freshmen take top honors at math contest

Freshmen mathematicians made up two Washington University teams who took top state honors, winning first and second place in the annual Missouri Section of the Mathematical Association of America (MAA) Collegiate Mathematics Competition. It marked the third year in a row that the University's teams placed first and second.

Placing first in the competition with a score of 78 out of a maximum of 100 was a team consisting of Arun Sharma and Missaka Warusawitharana. Close behind with a score of 75 were Daniel Blandford and Philip Gressman. Blandford is a freshman in engineering and the other three are in mathematics in Arts and Sciences.

Vladimir Masek, Ph.D., and Nik Weaver, Ph.D., both assistant professors of mathematics, were faculty advisers.

The competition was held April 16 and 17 at Southwest Missouri State University in Springfield in conjunction with the annual meeting of the Missouri Section of the MAA. A total of 21 teams from Missouri colleges and universities participated. A team from the University of Missouri-Columbia placed third, and fourth place went to a team from the University of Missouri-Rolla.

Each college and university in Missouri is eligible to enter two teams with a maximum of three undergraduate students per team. The teams work collaboratively on 10 challenging mathematics problems for five hours. Each team may submit only one solution per problem.

Edward Wilson, Ph.D., professor and chair of mathematics, was presented a trophy and individual contestant certificates at the announcement of competition winners during a banquet for the Missouri MAA Section. The Department of Mathematics is permitted to keep the trophy for display purposes until next year's competition.

"We are very proud of the accomplishments of our students over the past three years," Wilson said.

Opportunities & personnel news

Hilltop Campus

Information regarding these and other positions may be obtained in the Office of Human Resources, Room 130, at West Campus. Job openings may be accessed via the World Wide Web at cf6000.wustl.edu/hr/home. If you are seeking employment opportunities and are not currently a member of the Washington University staff, you may call our information hotline at 935-9836. Staff members may call 935-5906.

Systems Manager 980284. *Psychology.* Requirements: bachelor's degree; classwork or experience in modern operating system design (Unix) and modern communications/networking system (OSI model); knowledge of interactions between applications programs, operating systems and machine language components. Responsibilities include ongoing development, implementation, refinement and maintenance of multiplatform computer systems in image analysis laboratory; installing and maintaining diverse hardware, including Sun-, SGI-, and PC-based systems, and coordinating network containing these systems.

Program Coordinator 980285. *Nursery School.* Requirements: bachelor's degree in education, child development or related field; teaching experience with children aged 3 to 5; experience in formative supervision of teachers and/or student teachers preferred; experience working with parents desirable. This is a nine-month appointment.

Mail center goes to West Campus

On Friday, May 1, the University's Mail Services Center moved from Simon Hall to Room 2121 at 7425 Forsyth Blvd. on West Campus. The office's new campus box is 1156; the telephone number remains the same (935-4461).

Mail pick-up and delivery service should not change; however, anyone wanting to drop off mail at the office must go to the new location.

The office is open Monday through Friday from 9 a.m. to 5:30 p.m. For more information, call 935-4461 or email Smithp@wuolin.wustl.edu.

Systems Programmer/Analyst 980286. *Earth and Planetary Sciences.* Requirements: bachelor's degree, preferably in computer science; expertise in Windows 95 and Windows NT for PC and with Unix for Sun systems; experience with digital image processing and scientific programming; familiarity with graphics package application to data analysis; familiarity with geographic information systems (GIS) datasets and software.

Receptionist/Clerk 980290. *Medical Public Affairs.* Requirements: high school education; one to two years secretarial/receptionist experience; word processing skills; strong verbal skills; pleasant and professional manner; strong organizational skills and ability to apply these skills with minimum supervision.

Assistant Director Donor Relations for Stewardship 980293. *Major Gifts.* Requirements: bachelor's degree; four years development, advancement and/or accounting experience, preferably within a complex university; thorough knowledge of institutional development, donor relations and stewardship; strong written and verbal communication skills; outstanding organizational skills; attention to detail and accuracy; experience in donor research, tracking and coordinating stewardship activities; team player; familiarity with advanced university capital gift/project techniques (moves management, tracking systems, foreground/background initiatives); experience producing development materials; familiarity with event planning and coordination. Responsibilities include analyzing confidential information regarding major prospects.

Clinical Program Assistant 980295. *School of Law.* Requirements: associate's degree preferred; ability to work simultaneously with multiple projects and professors; strong organizational skills; excellent verbal and written communication skills; strong interpersonal and management skills; ability to carry out assignments with minimal supervision and to follow through from beginning to end on long-term projects; overtime availability during peak periods.

Associate Director, Corporate and Foundation Relations 980296. *Medical Alumni and Development Programs.* Requirements: bachelor's degree, advanced degree preferred; three years fund-raising experience in higher education or record of achievement in a field requiring similar skills; experience in medical school or health sciences; knowledge of principles of corporate and foundation philanthropy; excellent writing and creative skills; proven success in proposal writing; experience in collaborative project management, setting goals, gathering and organizing information and working with limited resources; ability to balance priorities; flexibility; ability to capitalize on opportunities; understanding of private research university; strong organizational skills; energetic; strong work ethic; genuine commitment to advancement of science and science education.

Associate Director International and Parent Programs 980297. *Alumni and Development Programs.* Requirements: bachelor's degree; experience in parent and/or annual giving programs at a college or university or related work experience; ability to plan, organize and direct programs within a complex development program requiring a high degree of coordination and cooperation with other staff; excellent writing, speaking, organizational and interpersonal skills; ability to work effectively with parents, alumni, administrators, students and faculty; commitment to independent higher education in general and to Washington University in particular; solid understanding of and commitment to professional fund-raising standards.

Senior Buyer 980299. *General Services.* Requirements: certificate or associate's degree; bachelor's degree preferred; three-plus years experience in purchasing or other materials management related field; good working knowledge of PCs and mainframe information systems; word processing skills; good communication skills to work with all departments, levels of management and the work force; patience combined with persistence. Responsibilities include ensuring timely and cost effective acquisition of products, services and equipment for the University; use of analytical spreadsheets and statistical software.

Assistant Director Alumni Relations 980300. *Alumni and Development Programs.* Requirements: bachelor's degree; minimum two years experience in a university alumni and development program, event coordination or both; experience working with volunteers; ability to work effectively with volunteers, staff, faculty and administrators; strong communication skills; availability for evening and weekend work and travel.

School Accountant in Arts and Sciences 980301. *Accounting Services.* Requirements: bachelor's degree in accounting or finance; CPA and/or MBA preferred; three to five years professional accounting experience, preferably in a complex university environment; public accounting experience; excellent accounting skills; working knowledge of GAAP preferred; knowledge of Focus; excellent written and verbal communication skills; self-motivation; discipline to meet deadlines; excellent interpersonal skills; team member; service-oriented communicator.

Medical Campus

The following is a partial list of positions available at the School of Medicine. Employees interested should contact the medical

school's Department of Human Resources at 362-7196 to request applications. External candidates may call 362-7195 for information regarding applicant procedures or may submit resumes to the Office of Human Resources, 4480 Clayton Ave., Campus Box 8002, St. Louis, MO 63110. Job openings also may be accessed via the World Wide Web at <http://medicine.wustl.edu/wumshr>.

Statistical Data Analyst 980533: Requirements: master's degree in statistics, computer science or biological science with strong quantitative training, Ph.D. preferred; experience in a scientific environment; experience in Unix operating systems and scientific programming (SAS, Fortran, C, Pascal); proficiency with data analysis and management; good organizational skills; advanced analytical ability; experienced in statistical analysis; communication and data-management skills. Responsibilities include working closely with a research scientist; programming applications and simulations for genetic research; establishing and managing databases; performing statistical analyses.

Physician's Assistant 981101. Requirements: graduate of accredited physician's assistant program with current Missouri registration license; working knowledge of

physician assistant theory and practice; organizational, communication and interpersonal skills. Responsibilities include assisting study physician in providing care to assigned patients, including assessment history and physical exams, and ongoing care for subjects enrolled in a treatment research project.

Secretary I (part time) 981377. Requirements: high school diploma or equivalent; office experience; working knowledge of WordPerfect and databases; ability to work with patients and volunteers. Responsibilities include general secretarial and phone duties and office support for project administrator. Twenty hours per week.

Professional Rater 981409. Requirements: bachelor's degree in psychology, sociology or related discipline; interviewing experience preferred; excellent interpersonal and communication skills; excellent attention to detail; ability to work with young children, adolescents and adults. Responsibilities include conducting respondent interviews; recruiting and contacting research subjects; completing structured interview questionnaire with subjects; drawing blood from study participants; completing necessary protocol paperwork.

WashUMall opens online

Is your T-shirt tattered? Want a IUW sweatshirt? Need a new necktie?

Thanks to the technology of the Internet, coupled with the support of the Campus Bookstore and the W Club, the Department of Athletics has announced the development of an online store that will offer licensed University-imprinted apparel and gift items.

Dubbed "WashUMall," the Web site can be accessed directly at www.washumall.com or through a link on the University's athletics home page at rescomp.wustl.edu/~athletics/.

"This is a cutting-edge means of providing a needed service to the extended Washington University family," said John Schael, director of athletics. "The plus for University faculty, staff, alumni and friends is that they're aware of

who they're doing business with in terms of integrity. It's a partnership that certainly can be trusted."

Proceeds generated will benefit the athletic department, with half of the revenue going directly to day-to-day operations and half going into an endowed fund to support future projects, Schael said.

Currently, the site offers about a dozen items, including hats, shorts, T-shirts, polo shirts, neckties and reversible basketball jerseys. Schael said several more products will be added within the next month. He also hopes to build a network of links from other University home pages.

"We're excited about this first step," Schael said, "and we're committed to making it a positive, fun and useful service."

Trustees elect officers, new members; hear Proctor presentation

At its spring meeting Friday, May 1, the Washington University Board of Trustees elected John F. McDonnell as vice chairman of the Board. He is the retired chairman of the board of McDonnell Douglas Corp. Re-elected were William H. Danforth as chairman and Clarence C. Barksdale and William M. Van Cleve as vice chairmen.

Two new trustees were elected to the Board — Floyd E. Bloom, M.D., chair of the Department of Neuropharmacology at Scripps Research Institute, La Jolla, Calif., and Shinichiro Watari, secretary general, Cornes & Co. Ltd. of Tokyo.

Returning to the Board are McDonnell; Sam Fox, chairman and chief executive officer of Harbour Group Ltd., St. Louis; and Mary Dell Pritzlaff of Santa Barbara, Calif. Elected to the status of emeritus trustees were Shi Hui Huang, chairman of the board of Chinfon Group of Taiwan, and H. Edwin Trusheim, retired chairman of General American Life Insurance Co., St. Louis.

Completing eight-year terms on the Board are David C. Farrell, retired chairman and chief executive officer, May Department Stores Co., St. Louis, and Richard F. Ford, managing general partner, Gateway Associates L.P., St. Louis.

Re-elected to the Board were Robin (Bob) E. Herreich, managing partner of Sigma Partners of Vail, Colo.; C. Ray Holman, chairman and chief executive officer of Mallinckrodt Inc.,

St. Louis; Louis G. Hutt Jr., managing partner of Bennett Hutt & Co., Columbia, Md.; Barbara Schaps Thomas, senior vice president for operations and finance of Time Warner Sports/HBO Sports of New York; and Ann Rubenstein Tisch, founder of the Young Women's Leadership School of East Harlem, New York.

In his report to the Trustees, Chancellor Mark S. Wrighton noted that the University had greeted a record number of more than 1,000 admitted high school seniors to campus as part of the April Welcome program, along with many parents. In addition, 300 admitted students attended the mid-April Multicultural Celebration Weekend, during which Wrighton hosted a dinner for the entire group. The University expects a full freshman class of more than 1,200, following a record-setting 16,200 applications for admission.

Wrighton noted that 19 endowed professors have been installed in the 1997-98 fiscal year thus far. He said that the search for a new dean of the School of Law is progressing well and the position should be filled by July 1.

Wrighton updated the Trustees on facilities, including construction on the South 40, refurbishing of existing buildings and progress on new construction.

In addition, he reported on efforts to promote diversity on campus and on the status of the athletics programs, particularly the great success of the women's basketball team as national champions, women's soccer as third in

the nation and women's volleyball as fourth.

In other action, the Trustees re-elected the corporate officers of the University and heard reports from the Development, Educational Policy, Hilltop Finance, Medical Finance, Research-Graduate Affairs and Student Affairs committees. A report also was presented by the Alumni Board of Governors representative to the board. Reviews of the year were presented by the undergraduate student representatives, graduate student representatives and the faculty representative.

A highlight of the meeting was a report by Enola K. Proctor, Ph.D., the Frank Bruno Professor of Social Work Research and director of the Center for Mental Health Services Research at the George Warren Brown School of Social Work. She gave a presentation on social work's role in the nation's mental health.

Floyd E. Bloom, M.D.

Floyd E. Bloom, M.D., graduated from the Washington University School of Medicine in 1960 and currently is editor-in-chief of Science magazine, as well as chair of the Department of Neuropharmacology at Scripps Research Institute, La Jolla, Calif.

Bloom is recognized as one of the major architects of modern neuroscience. An innovative neuroscientist with a broad-based concept of the nervous system's structure and function, he was the first to appreciate the neces-

sity of in-depth study of comprehensive neurotransmitter systems at the anatomical, physiological and pharmacological levels. Before joining Scripps, he directed behavioral neurobiology at The Salk Institute in San Diego and was chief of the laboratory of neuropharmacology at the National Institutes of Health.

Bloom received a bachelor's degree in 1956 from Southern Methodist University. He developed an interest in pharmacology while a medical student here. After completing an internship and a year of residency at Barnes Hospital, he was accepted as a research associate at the National Institute of Mental Health (NIMH). After two years at the NIMH, Bloom went to Yale University where he continued his lifelong research theme: understanding the chemical basis by which the anatomical connections in the brain function.

In 1968, he returned to the NIMH as chief of the laboratory of neuropharmacology. Bloom was one of the first neurobiologists to use modern molecular biological techniques in a search for molecules important to brain function and the characterization of brain-specific genes. Recognizing the value of computers in neuroscience, he pioneered their application to neuroanatomic investigations and the development of neuroanatomic databases. His work has been applied to many enigmatic disorders of the nervous system, such as addictive states, dementia and major psychoses.

He is a member of the National Academy of Sciences and the Institute of Medicine and a foreign associate of the Royal Swedish Academy of Science.

Shinichiro Watari

Shinichiro (Shin) Watari is secretary general of Cornes & Co. Ltd., Tokyo. His company specializes in wholesale and retail trade management and serves as the distributorship for Rolls Royce and Ferrari automobiles throughout Asia and, to some extent, in North America.

Watari received a bachelor's degree in Arts and Sciences from the University in 1972 and then went on to earn a graduate degree in architecture from Harvard University. He has been an active supporter of the University, currently serving on the International Advisory Council for Asia and the Alumni Board of Governors. He also has been active in the National Council for the School of Architecture and the Alumni and Parents Admission Program.

In addition to Cornes, Watari has been active with a number of other companies throughout Asia in the past decade. Before taking his current position, he was senior executive vice president with WorldWide Marine Inc., a company based in New York.

He is married to Cissy Pao Watari, who holds three degrees from the University. She earned a bachelor's degree in Arts and Sciences in 1971, an undergraduate degree in fine arts in 1972 and a master of fine arts degree in 1975.