Moving into their home away from home
Freshmen Natasha Bivings, left, of Deltona, Fla., and Tiffany Perkins of Garland, Texas, move into their Shipley Residence Hall room on Thursday, Aug. 22. The first day of classes is Wednesday, Aug. 28.

A vote for volunteering

Students needed to help make first presidential debate a success

Several volunteer opportunities await students interested in giving their time as Washington University prepares to host the first 1996 presidential debate Sept. 25.

Student volunteers will assist with a variety of tasks to ensure that the debate runs smoothly. These tasks include answering telephone inquiries for the Commission on Presidential Debates; preparing and checking credentials; serving as facilitators for DebateWatch '96; assisting the media with their needs; helping usher people to their seats at the debate itself; and cleaning up after it's finished.

This is an historic event for students, said Nancy Sutherland, assistant director of the Career Center and organizer of the volunteer efforts for students.

"My goal is to get as many undergraduate and graduate students involved as possible," she said. "It is a wonderful opportunity for our students — an opportunity they will not want to miss."

Volunteer application forms will be available beginning the first day of classes (Wednesday, Aug. 28) in the Career Center, Room 150 Umrah Hall. The forms also will be available on the Career Center's World Wide Web home page at http://www.wustl.edu/careers. Volunteers will be needed Sept. 19-26. See story on this page for more details.

Want more information?
Washington University's home page on the World Wide Web is a virtual gateway to vast amounts of information about the upcoming presidential debate. The address of the University's home page is http://www.wustl.edu. Once you reach the home page, simply click on the highlighted phrase: "Information about the Presidential Debate." At your fingertips will be information about the debate and its related educational programming and news about DebateWatch '96. In addition, there are a variety of links to other debate-related Web sites.

Hotline
Call the University's Debate Hotline at (314) 935-0014 for news updates.

Coming next week ...

Debate-related educational programming coordinated by James W. Davis, Ph.D., professor of political science in Arts and Sciences and Teaching Center director, will be previewed. From School of Art students designing the official poster commemorating the debate to special visitors and symposiums, Davis is looking for every opportunity to incorporate the event into the curriculum and capitalize on its teaching potential across the disciplines.

RCGA event
The St. Louis Regional Commerce and Growth Association (RCGA), Washington University, FOCUS St. Louis and radio station KWMU-FM are co-sponsoring a luncheon special questions-and-answer session with Mara Liasson, National Public Radio's chief White House correspondent. Liasson will discuss the 1996 presidential election. The event begins at noon Sept. 24 at the Adam's Mark Hotel, Fourth and Chestnut streets, downtown St. Louis. Call the RCGA at (314) 444-1170 for details and tickets.

Wysession maps Earth's core-mantle boundary

Washington University geologist has taken a pioneering step toward understanding "how the other half lives."

No, he hasn't described the lifestyles of "the upper crust." Rather, Michael E. Wysession, Ph.D., assistant professor of earth and planetary sciences in Arts and Sciences, has rendered the first global map of the Earth's core-mantle boundary, a 200-mile-wide swath of fascinating geology located about 2,000 miles beneath the Earth's upper crust.

Throughout the 20th century, geologists increasingly have come to grips with the physical and chemical reactions and composition of the planet's upper half.
Infants who die from Sudden Infant Death Syndrome (SIDS) may not be equipped to arouse themselves from sleep in a way that healthy infants can, according to a School of Medicine researcher.

Reporting recently at the Fourth SIDS International Conference, Anna Lijowska, M.D., a fellow in newborn medicine, and Bradley T. Thach, M.D., professor of pediatrics, said they have identified a specific sequence of reflexes that leads to arousal in infants. A problem with that sequence could contribute to accidental death while an infant sleeps.

SIDS is the sudden, unexpected death of an infant younger than 1. In the United States, SIDS kills 5,000 to 6,000 infants each year. Recent studies estimate that up to 30 percent of those infants die from rebreathing expired air, causing a form of accidental suffocation. Sleepwalking, infants can rebreathe expired air, which is low in oxygen and high in carbon dioxide. This deadly air becomes trapped within the bed of the baby's face.

Refusing is not the only cause of SIDS, but pediatrics believe it is significant enough that they recommend infants be put to sleep on their backs or sides rather than on their stomachs. The Consumer Product Safety Commission has issued a "Safety Alert" that warns parents to avoid the use of soft bedding products, such as stuffed toys or pillows, that could trap carbon dioxide near a baby's nose and mouth.

The researchers say eliminating these risks is a key to lowering the number of SIDS deaths. But most infants can startle themselves awake if they are exposed to high levels of carbon dioxide. "Most of the time, the babies adjust their body positions. They sigh, they startle, and they turn their heads," Thach said.

"Infants do this a lot in their sleep," Thach said. "Sometimes the arousals are spontaneous. Other times they occur in response to stimuli."

The investigators believe an abnormal arousal pattern may contribute to the risk of SIDS. If an infant does not have normal reflex-arousal responses, carbon dioxide levels could continue to rise while oxygen levels fall, and the baby could suffocate.

"The fact that all infants react in the same way lets us think that a fundamental behavioral brain reflex may be involved. That gives us a reason to look at the brain stem as we investigate SIDS," Lijowska explained.

She said because it is possible for researchers to initiate the arousal sequence, it also should be possible to test infants for abnormal reflexarousal responses. Knowing this may help doctors assess an infant's risk for SIDS.

North honored by psychiatric association

Carol S. North, M.D., assistant professor of psychiatry, has received the American Psychiatric Association's (APA) Francis Bracealnd Public Service Award.

North is being honored for her work with the seriously mentally ill through public-sector service to the homeless and indigent populations at three inner-city clinics. She also directs an education program for families with members who suffer from schizophrenia.

North has lectured to a wide variety of community and patient groups. Following the great Midwest flood of 1993, she directed a volunteer mental health professional training program that provided instruction on emergency psychiatric services. Funding from the McDonnell Foundation allowed the training program to provide education to community leaders from approximately 250 organizations, such as fire and police departments, schools and businesses.

The Francis Bracealnd Public Service Award was established in 1977 and is given every other year to an APA member.

Johnson receives MERIT grant to extend research

Eugene M. Johnson Jr., Ph.D., the Norman I. Stape Professor of Neurology and professor of molecular biology and pharmacology, has received a $1.1 million MERIT award from the National Institute on Aging at the National Institutes of Health (NIH). The grant will support five years of research, with the expectation of additional years of funding.

MERIT (Method to Extend Research in Time) awards provide long-term grants to especially competent and productive scientists. Recipients do not apply but are identified by the NIH.

Johnson's group demonstrated that certain genes must be activated to allow the cell death program to run. One of the current goals of his research is to understand the roles of cell death genes that code for proteins called transcriptional regulators. These proteins are on genes that generate enzymes that disable the cell.

"The researchers are looking for potential drugs to block neuronal cell death because the lengthy process can be halted part way through. But they are also studying the consequences of stopping the program in its tracks."

The previous five years of the project were funded by a grant to the Alzheimer's Disease Research Center, which Johnson co-directs.

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Medical Update

Problem in sleep arousal may contribute to risk of SIDS

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Penelope Shackelford, M.D., left, listens to Lauren James' heart while Sean Elliott, M.D., right, in a fellow in infectious diseases, sign the girl's stuffed animal. Lauren is being treated for gastroenteritis.

Shackelford studies child immune response

Penelope Shackelford was in high school when the Soviets launched Sputnik in 1957. Caught up in the U.S.-Soviet push for parity, she initially studied physics. Her interest in medicine began in college, and during her third-year rounds, was the one who convinced her to go into pediatrics. While working with Jones, Shackelford was impressed by the way she interacted with parents and patients. Her admiration became a passion. "I thought I'd like her and was able to see myself as her," Shackelford said. Shackelford later was recruited into infectious diseases by Ralph Feigin, M.D., then director of Pediatric Infectious Diseases at Children's Hospital, who invited her to do a fellowship with him.

"Penny impressed me as one of the best people we had," Feigin said. She showed great initiative and intelligence and was wonderful at caring for patients. That's the kind of person I look for," Feigin said.

Shackelford found Feigin as "an interesting and the subject irresistible. "He was so inspiring. I think the enthusiasm he generated in me will last a lifetime," she said.

Shackelford plays an important role in her own students' careers. When Peggy MacDonald, M.D., entered the Medical School 14 years ago, Shackelford invited her to her first-year instructors. She has been MacDonald's teacher and mentor ever since. MacDonald said she appreciates her "human touch and her enthusiasm for many things in life, in addition to medicine. Shackelford always was receptive to her ideas, both small and otherwise. Shackelford is acting as MacDonald's adviser as she starts her own independent research career. Shackelford is interested in helping young physicians like MacDonald because she believes it's more difficult for physicians today to set up their laboratories and practices. "I figure I have my career. Now it's their turn," she said.

She also believes that medical education and training on the whole need to be restructured, and as director of Pediatric Specialty Services, she said, "I am working toward putting her ideas into effect."

"Twenty to 30 years ago, a child would come to the hospital early in their illnesses. Now patients are in the hospital only a few days. So students only see one tiny part of a patient's progress," she explained. Medical students and residents need more exposure to "ambulatory" patients, or outpatients — the kind seen at Pediatric Specialty Services, she said.

"I am working toward getting students and residents involved in that part of the process," she said. "That way, they would see a broader spectrum of cases than if they only saw hospitalized patients.""
### Exhibitions

"Art is Enchantment: Illustrators and Slavemaster of Language," writer Guy Carson has received numerous awards and fellowships — both in her native Canada and in the United States — including a Rockefeller Foundation Fellowship and two Writer's Residency Fellowships to Canada's Banff Centre School of Fine Arts.


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Carson will be introduced by Steven Meyer, Ph.D., assistant professor of English in Arts and Sciences. Her reading will be followed by a book signing.

A season subscription to the reading series is $15. Admission to a single event is $5. Students with valid identifications and senior citizens will be admitted free. Arts and Education Council cardholders will receive a two-for-one discount. For ticket information, call Melissa Levine, M.F.A. candidate and Olive Fellow in the Writing Program. Includes methods and techniques for writing fiction. Continues Saturdays through Oct. 26. Cost: $20. For more info. and to register, call 935-4947.

### Lectures

**Thursday, Aug. 29**

The International Writers Center is sponsoring a getaway for all Jewish students interested in building community and to register, call 935-9594.

Lectures

**Thursday, Aug. 29**

10 a.m. Molecular microbiology and molecular genetics class: "Infectious Diseases: An Overview." continued. Room 235 West Campus Administrative Center. 935-5867.

**Saturday, Sept. 7**

7 p.m. Indian vocal concert. Features T.V. Subramaniam and Party. Steinberg Hall Aud. Cost: free for WU faculty, staff and students, $10 for all other adults, and $7 for senior citizens and other students.

### Performances

**Thursday, Aug. 29**

11-1 p.m. Drama auditions continue. The second day of the 1996-97 drama season will be held in Edison Theatre. A sign-up sheet for audition times is available; students not cast outside the Perfor- mance Arts Department's administrative offices, Room 314 Mallinckrodt Center. Call-backs will be held Aug. 30. Open to WU students, faculty and staff. 935-5585.

### Music

**Thursday, Aug. 29**

Auditions begin. The 1996-97 vocal and instrumental music auditions will be held through Sept. 10. Open to all WU students, faculty and staff. For times, locations and information, call 935-4565.

**Saturday, Sept. 7**

The City of Saint Louis will stage a massive producer. Includes methods and techniques in writing poetry and author of "Neon Vernacular," winner of the 1994 Pulitzer Prize for the Performing Arts and Education Council. Includes methods and techniques in writing poetry and author of "Neon Vernacular," winner of the 1994 Pulitzer Prize for Literature and humanism.

### Volunteers

- **Close-Up:** Help restore the Athletic Complex and surrounding areas to their normal state after the candidates, dignitaries, guests and the thousands of journalists leave. Sign up at the Hillel Center and to register, call 935-9594.
**Student musicians hone skills while they pursue other degrees**

**Music gives me something I can't get anywhere else.**

— Melinda Block

WASHINGTON UNIVERSITY RECORD / Aug. 29, 1996

**‘Dance Close-up’ concerts showcase performances by renowned faculty**

The Washington University dance faculty will present an informal and intimate evening of dance with their “Dance Close-up” concerts at 8 p.m. Sept. 5, 6, and 7 in the Dance Studio, Room 207 Mallinckrodt Center. A showcase of the University’s renowned dance faculty, “Dance Close-up” features several performing arts and dance faculty members in a sampling of distinctly different dance styles. The concerts will include modern dance, ballet, and classical dances of Africa and India.

The University dance faculty will present their works informally in an intimate setting — the kind of dance concert typical of “downtown dance” in New York City,” said Mary-Jean Cowell, Ph.D., associate professor and coordinator of the dance program in the Performing Arts Department in Arts and Sciences, will perform in the upcoming “Dance Close-up.”

“I always enjoyed singing, but it was in college that I discovered the joy of performing. But this recital was above and beyond anything I’ve ever done before. This was something I felt I needed to do.”

Block performed in Steelberg Hall Auditorium while slides of her artwork, inspired by her selection of songs, were projected onto a wall near her. The recital, which consisted of works by Samuel Barber, John Corigliano and Francis Poulenc, was a success — and a lot more effort.

“It was probably the best thing I did all four years,” she said.

She said music offers a great source of meaning for her than simply performing. “Music gives me something I can’t get anywhere else.”

“Research” — Cowell, Prem and Bill Whitaker, an actor/director and artist-in-residence, return with a slightly revised version of last year’s humorous investigation into the meaning of “research” and its relevance to dance.

Cowell, a former member of the St. Louis Repertory Dance Company, provides the choreography and script for the piece, which is performed to music by Igor Stravinsky and Johann Sebastian Bach.

“Spilled” — Mary Ann Rund, adjunct dance faculty, and Marchant perform a work Rund choreographed to the music of Tom Waits and Bob Dylan, as performed by Vivaldi's Brandenburgs.

The second section is a solo dealing with the aftereffects of the loss of weight and the adjustment to the lightness of being. Rund is a member of the Burning Feet Contemporary Dance Company and has presented her own works in New York and across the country.

“The Whisper” — Angel Mendez, O.P., adjunct dance faculty, performs a solo work that intends to touch upon and display the experience of pain, suffering and death, especially of terminally ill children. The work is a reflection of Mendez's ministry as a chaplain at Children's Hospital in New Orleans, where he spent this past summer.

“The Journey of Life Through Drum and Dance” — Emam Mendiad, a new adjunct dance instructor, performs an African dance accompanied by the drumming of her husband, Kanuna Mendiad. The piece portrays a journey through life, touching on such themes as birth, manhood, womanhood and the afterlife. The husband-and-wife team have a company called Taifa, which performs African and African-American dances, drumming and storytelling throughout the area.

“Dance Close-up” tickets are $8 for the general public and $6 for senior (65 and older) and University faculty, student and staff. Tickets to sit on the studio floor are $3. Tickets are available at the Edison Theatre box office at (314) 935-6453.

** Campus Watch**

The following incidents were reported to the University Police Department from Aug. 19-25. Readers with information that could assist the investigation are urged to call (314) 935-2323. This release is provided as a public service to promote safety awareness on campus.

**Aug. 19**

1:12 p.m. — A student reported that a locked mountain bike, worth $125, was stolen from a bicycle rack near Olin Library.

2:27 p.m. — A student reported a burglary between Aug. 14 and 19, a guitar valued at $400, was stolen from the sculpture shed.

**Aug. 20**

2:12 p.m. — A student moving into Fitzhemen Residence Hall found a pistol clip, containing live ammunition, and a .22-caliber rifle barrel and a .22-caliber rifle, in a desk drawer. The owner could not be determined.

**Aug. 22**

7:40 p.m. — A University Police officer was approached by a student in front of Dome at the Student Center. The officer advised the student’s owner of the University’s leash policy. The incident has been referred to the Office of the Campus Police.

**Aug. 23**

2:51 a.m. — University Police responded to a report of a burglary at Millbrook Square apartment complex located at 3108 South Eliza- beth Macdonald, visiting artist in music. The violin always will have a place in my heart and in my own big on the other hand. But I still think it's worth the effort.

Richard Marn, an Arts and Sciences graduate who majored in chemistry, prepared a full guitar recital in Steinberg Hall last spring. “I knew when I first got here that I wanted to play in Graham Chapel one day. And I was thinking about Alan Rosenkoetter, instructor of classical guitar. I was thinking about playing something this big and on my own before.”

His recital consisted of works by Samuel Barber, the violin concerto of Jean Sibelius on a rare violin loaned to her by the music department. She also has performed as a soloist with the Washington University Chamber Orchestra, under the direction of Dan Pringle, and performed in the 1977 anniversary this year.

“Mentally, the training you get from playing the piano is so great. When you are playing, it feels just incredible. It is a common refrain that goes some-
People wondering "What's goin' on?" now can find the answers on a computer kiosk in the Student Scheduling Center.

The kiosk, available for use during Mallinckrodt Center hours, connects to a touch-sensitive computer screen, a key-board for inputting topics to be searched and a printer to print out the requested information. The Washington University home page at http://www.wustl.edu can also be accessed via the kiosk and the University's on-line calendar can be accessed. The same information on the kiosk can be found on screens connected to the World Wide Web.

"We've had more than 3,000 hits," said Brown, referring to a tracking system that counts how many times the kiosk has been used. "Our goal is to get the students and the Washington University community better informed. This is one way to do it."

Karen Levin Coburn, associate dean of student affairs and interim director of student activities, said the kiosk could be one of the best ways to present current information about events at the University.

"We see it as a dynamic way to provide information," Coburn said. "A lot of people pass through Mallinckrodt every day. More and more people are used to going up to a kiosk, in hotels and airports, and getting their information. It's a way of moving on screen next to here."

The idea for the kiosk developed out of the Student Experience Cluster's focus-group discussions held between students and the administration during the past several years, said Stuart Yoko, Ph.D., University registrar.

"One of the big issues that emerged from these focus groups was that students were having difficulty obtaining current information about events at the University," Yoko said. "There was a sense that students felt very isolated and were having difficulty keeping in touch. We were looking for a way to improve their awareness of events on campus.

Two recommendations emerged from these talks. First, greater access to the Washington University home page on the World Wide Web in the form of more computer kiosks in dorms and in computer centers around campus. And, second, the kiosk. The kiosk has the advantage that students can use it if they don't have access to computers where they live, Yoko explained. "It gives us the opportunity to see how much it's used," he said. Brown believes it will prove itself useful in the long run as a valuable resource. "Most universities that are ahead of the game have them," he said. The Web is the perfect place to provide the same functionality, Brown said, noting how much time students spend at their computers. Today's students are "swamped with information and most have become desensitized to traditional forms of events listings -- such as post- ers and flyers," Brown said. "This is another way to get information out to the people." Student and University groups may submit information about their events to the Scheduling Office, where it will be imputed and will appear on the on-line calendar as appropriate. For more information about the calendar, call Diane Woepke, scheduling coordinator, at (314) 935-5334. The Scheduling Office is located at Campus Box 1155. Submissions may be sent by fax to (314) 935-4094 or by e-mail to woepke@wumail.wustl.edu.

Neal Learner

Washington University Record

Online a ‘calendar’ ‘away at computer kiosk’

On-line calendar a ‘touch’ away at computer kiosk

Marcus Moomey, a second-year graduate student in the School of Architecture, inspects the building materials used in a partially constructed outhouse in rural South Africa this past summer. Graduate students in the studio studied the South Africans' use of inexpensive local materials and easy-to-construct building designs for sites that lacked running water and other basic utilities.

Marcus Moomey, a second-year graduate student, said portable out- houses made of inexpensive local materials are a prime example of South Africans adapting to rural site condi- tions and meeting basic building needs. "The whole idea is to make it simple," Moomey said, recalling a common spiral outhouse design with walls of sheet metal or plaster over latrines. "It didn't require running water, or septic systems, or anything. You could build it yourself. It was really ingenious."

At the end of the program, seven students stayed on for a five-day walk- ing safari through the South African bush.

"We saw rhinos, wart hogs and zebras. It was very humbling. You feel like man within the animal kingdom," Moomey said, adding that he was completing his master's degree in architecture. "It was very peaceful and soul-searching being out there and hearing the lions roar."

Anne Nicholson

Students experience international practice of architecture

While nearly a dozen School of Architecture graduate students convened with a Rain Queen in South Africa this past summer, their peers in Spain picked the brains of internationally renowned architects. Elsewhere in Europe, graduate students were focusing on analysis and study of the architectural sites in Paris, Rome, and Barcelona.

"You don't see architecture like that every day. The students were most impressed by architect Hans Scharoun's symphony hall in Berlin. In Barcelona, they were most impressed by the work of architect Antoni Gaudi," said John Hoal, visiting assistant professor and director of the Master's of Architecture Urban Design Program.

"We have to sensitize our students to the architecture of developing countries," said Hoal, who led the eight-week South African studio, which included study in Johannesburg, Durban and Cape Town. "Architects today have to be able to move from one culture to another and practice in cultures that are vastly different."

One of the most memorable moments of the new South African studio was talking with the Balodebo tribe's Rain Man about "What is culture?" in the ancient Colosseum in Rome, and Le Corbusier's buildings in Paris.

The graduate students also viewed top-level architecture in South Africa for the first time. The group studied graphic and photographic materials and visited many cultural sites such as Mina van der Rohé's National Museum in Berlin, Antoni Gaudi's buildings and parks in Barcelona, the ancient Colosseum in Rome, and Le Corbusier's buildings in Paris.

The students experienced the buildings as not abstract entities but as real materials are a prime example of South Africa's use of inexpensive local materials and easy-to-construct building designs for sites that lacked running water and other basic utilities.

The 14 graduate students also attended lectures about South African architectural history by business-school architects. In the studio exercises, the students designed a new building for an older quarter of the city and worked with international students from the conference on the design. The students were taught the techniques of indigenous construction on the floor tile," recalled third-year graduate student Tamara Fuchs. "They don't have overt building codes over there, so there is much more freedom. The shapes are more visually interesting, and the design is much more complex."

The master's degree students in Barcelona were exposed to "an array of contemporary buildings that no other city in the world can offer," said Associate Professor Iain Fraser, who led the work shop. "They received a much more sophis- ticated and enhanced view of what architecture is in its finest manifestations, as well as what is involved in a building, from its structure to enclosure to scale."

The students traveled to world-famous architectural sites such as Mies van der Rohé's National Museum in Berlin, Antoni Gaudi's buildings and parks in Barcelona, the ancient Colosseum in Rome, and Le Corbusier's buildings in Paris.

"The students experienced the buildings as not abstract entities but as real materials are a prime example of South Africa's use of inexpensive local materials and easy-to-construct building designs for sites that lacked running water and other basic utilities."
For The Record contains news about a wide variety of student and recent graduate student scholarly and professional activities.  

Of note

Brian Breidenstine, assistant director of the Career Center, was selected by Rotary District 6050 to participate on a Group Study Exchange Team that traveled to Norway last spring. Team members met with an international colleague in the host country to discuss how they approach their profession. They also exchanged personal knowledge of their own country and observed the customs, vocations and idioms of the host country.

John O. Hollen, M.D., professor of medicine at Washington University, has received an $831,669 five-year grant from the National Institute on Aging for a research project titled "Exercise as Preventive Medicine in the Aging Process.

Pal-Van Kwok, M.D., assistant professor of medicine, received a $904,108 three-year grant from the National Center for Human Genetics Research for a research project titled "High Density Genes of XQ23-XQ28.

L. David Silby, Ph.D., assistant professor of molecular microbiology, received an $891,150 four-year grant from the National Institute of Allergy and Infectious Diseases for a research project titled "Protein Secretion and Intracellular Survival by Toxoplasma."

Speaking of

Natalia V. Dronova, L.L.M., a J.S.D. candidate in the School of Law, spoke on "Transparency in Russian Local Governments: Possible Lessons From the U.S." at the "Open Meeting? Law at the Swiss Institute of Comparative Law in Lausanne, where she spent three months in residenc. Dronova also delivered a presentation on openness in government during a one-month stay at the Kennan Institute for Advanced Russian Studies in Washington, D.C. The Institute of International Law in the Netherlands invited her to the Center for Law and Ethics in International Law and International Relations this summer.

Of note

Two St. Louis professors recently took part in a conference on the "Romantization of Athens" held at the University of Nebraska in Lincoln. Robert Lanphier, M.D., Ph.D., associate professor of classics in Arts and Sciences, spoke on "Plato and the Romantizations of Athens." Susan Rotroff, Ph.D., professor of art history and archaeology in Arts and Sciences, participated as a session chair.

Gruia-Catalin Roman, Ph.D., professor of computer science and director of the Computer Visualization Laboratory, presented an invited talk at the First International Workshop on Formal Methods for Parallel Programming, Titled "Formal Methods and Mobile Computing," the talk was given in conjunction with the 10th International Conference on Concurrency Comping Symposium held in Honolulu.

On assignment

Daniel M. Goedenberger, M.D., assistant professor of medicine, recently was named to the Publications Committee of the Association of Professors of Medicine, which is responsible for publishing the American Journal of Medicine.

Goedenberger also has become a panelist for the Musculoskeletal Association's "Ask the Experts" on "MDA on Computerve.

To press

Jennifer Atkinson, a lecturer in English in Arts and Sciences, wrote two poems, "Moirage" and "Storm Warning," that were included in the spring 1996 issue of Shenandoah, the Washington and Lee University Review.

Clayton R. Perry, M.D., associate professor of orthopaedic surgery and chief of the fracture service, wrote the reference "Bone and Joint Infections" published by Martin Dunitz in London.

Perry also wrote "Knee and Leg: Bone Trauma" for the "Orthopaedic Knowledge Update 3," which is published by the American Academy of Orthopaedic Surgeons.

Guidelines for submitting copy:

Send your full name, complete title, department, phone number, and highest-earned degree, along with a typed description of your noteworthy activity, to For The Record, c/o David Moessner, Campus Box 1070, or p72245md@wvumc.wustl.edu. Items must not exceed 75 words. For information, call Moessner at (314) 935-5293.

Obituaries

Norman Matulef, supervisor of students

Norman J. Matulef, Ph.D., a longtime supervisor of students in the Department of Biology in Arts and Sciences, died Monday, Aug. 5, 1996, of heart disease at his home in University City. He was 67.

Born in Des Moines, Iowa, Matulef earned a bachelor's degree in zoology from the University of Iowa in Iowa City and a master's degree in clinical psychololgy from Iowa State University in Ames. He earned a doctorate in clinical psycholology in 1966 from Washington University.

Matulef joined The Jewish Hospital of St. Louis as chief psychologist and director of psychology training in 1966. He taught part-time at Washington University as a lecturer in 1972 and as a clinical assistant professor in 1976 and has supervisied students here since 1980. He entered private practice in 1975 but remained on the staff of The Jewish Hospital.

Matulef was a support leader for the Elsberry L. Goodenberger Research Foundation, a sister of Mr. Matulef.

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Washington University issues guidelines for candidates, other political speakers

The following guidelines have been issued by Washington University for those interested in participating in the upcoming election or in events related to it. Washington University's concern for the preservation of its name and letterhead or its neutrality requires the University to apply certain standards applicable to appearances, subject to the University's obligations to maintain political neutrality and comply with applicable law.

The State of Missouri Charter that established Washington University requires the University to be politically neutral. The University's name, letterhead, or any other University expression should not be used as a campaign or other political expression allowing the public or any other person or organization not affiliated with the University to advocate the election or defeat of a particular candidate or political party or promote or encourage such an election or defeat.

No person or group may use Washington University's name, letterhead, or seal in such a manner or to solicit funds for or otherwise support or oppose any such campaign or cause. For example,

Washington University also enjoys tax exemption status under Section 501(c)(3) of the Internal Revenue Code and is thus prohibited from participating in or intervening, directly or indirectly, in any political campaign on behalf of or in opposition to any candidate. Federal Election Campaign Act regulations also place political limitations on political activity at educational institutions.

The University invites all members of the University community to keep in mind certain standards applicable to appearances on campus by candidates, representatives of candidates, and other political officials. In making arrangements to have political candidates or officials visit the University, the University must comply with, and advise speakers and staff on, these guidelines.

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The University's mailboxes, common areas, common rooms, telephone and other services or facilities must not be used in support of any candidate, campaign, campaign committee, or political action committee.

All appearances to audiences must be open to the University community and, if the sponsoring organization chooses, the general public, without regard to the attendees' party affiliation or support of any particular candidate. Admission must not be controlled by speakers, campus staff, or any other person or organization not affiliated with the University.

The speaker's appearance must constitute a speech, question and answer session, or similar communication in an academic setting, and must not be conducted as a campaign rally or as an event for political action committee purposes.

Certain facilities, including Graham Chapel, have specific requirements for use of the facility. Sponsoring groups and speakers must comply with these requirements and the facility's managers control the making of such commitments.

No one may collect campaign or other political contributions from members of the audience. Neither the University nor University employees may solicit, or permit anyone else, to solicit, contributions for political candidates, committees, or officials.

The University also takes action to ensure that the political neutrality of the University is preserved. For example, the University may not give political endorsements or give the appearance of doing so.

The University must maintain the appearance of neutrality, and the University cannot accommodate requests for University endorsement or other support of political candidates or political action committees. The University understands that it cannot accommodate such requests, and that there may be limits on what incitement and co-sponsorship are responsible for containing the Office of Public Affairs at 33-5250 in advance of any appearance.

Systems Analyst 1 970023-0. ( Req.: Requires a bachelor's degree in computer science or a related field. Must have experience in programming, database selection, data analysis, and statistical analysis. Experience with Microsoft Office, Unix, and C. Experience providing statistical analysis and data management for research.

Planning Administrator 970023-1. Psychiatric Requirements: bachelor's degree in business administration or a related field. Experience working with mental health and behavioral health providers. Experience with mental health and behavioral health software. Experience with mental health and behavioral health databases.

Program Manager II 970045-0. Computer Science: Requirements: bachelor's degree in computer science or a related field. Experience with software development and software acquisition, installation, and training. Experience with software development and software acquisition, installation, and training. Experience with software development and software acquisition, installation, and training.

Wysession explores Earth's subsurface — from page 1

cadron — is the rocky interface between the Earth's hard mantle and its liquid iron core. All of the unseen regions of the Earth resemble this midlithologic boundary; it most resembles the Earth's surface in terms of chemical composition and solid-liquid interactions. The map of the core-mantle boundary will help geologists understand how the planets' core and mantle are forming and evolving and how, from its dynamic interactions, the Earth is taking form in space.

Geologists cannot literally see what's beneath the Earth. Instead, they are limited to remote sensing through seismic wave data and the study of the Earth's deep earthquakes. Combined with rapid and sophisticated computation, they can get images of the deep structure and the core-mantle boundary. To get his map, Wysession analyzed eight years of data from a computer program, focusing on 343 digital digitized P waves, a fraction of all seismic waves, spend most of their time and energy mapping the core-mantle boundary. Seismic P waves travel through enormous slabs of rock in a domino effect — the way each metal link pushes the next in an extended, shaken Slinky. Diffraction works on the same principle that lets us hear sound around the corner of a building. The map is actually a compilation of waves. Thus, they arrive at their destination funneling through surface waves, or PKP waves, waves from the same earthquake. We know that this isn't the final map, that the map will help give us a fuller understanding of the deep Earth, of the processes that happen in the Earth's core. Wysession explained in the July 18 issue of Nature. His work was supported by a grant from the National Science Foundation.

The University geoscientist solved the mapping problem by overlapping seismograms of 543 digitized P waves atop synthetically generated seismograms from a computer program. He then determined the difference in travel time between the digitized P waves and actual seismic waves.

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