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Tracking traffic
Intelligent Transportation Systems may solve bumper-to-bumper blues

Imagine waking up in the morning, pouring a cup of coffee and asking a computer what's the best way to get to work.

Sound unrealistic? Not to Lonnie Haefner, Ph.D., professor of civil engineering, discusses highway maps with graduate students Luis Porrello (left) and Ming-Shian Li.

Haefner said the project, which began in early August, is planned to plot solutions to congestion on U.S. 40. "We hope to use the information gleaned from the data-gathering and apply that to other situations in the area and the state," Haefner said. "The body of work can be used as a sort of protocol for other traffic flow balance problems."

According to Haefner, ramp-metering is the simplest step toward the development of a highly integrated transportation-monitoring system.

"Ramp-metering prevents everyone from crowding up the freeway at 5 p.m.," he said. "Traffic flow is metered and cars are electronically metered, as they go into the flow, against the density of the cars upstream. The next step after getting the Barrett Station TIC running is to install others at ramps above this one and work the groups as a unit. Maybe you can't load at ramp A, for instance, but you can on B and maybe a little later on.

The Missouri State Highway Department has chosen our group to put together a freeway field data-collection program in the next six months to get a grip on what is known as flow balance," Haefner said. "That's an attempt to prevent too many vehicles from crowding, say, a mile of highway. In our study, we'll eventually try to even out the density so you get a flow rather than anaccordion-like jam situation. That may sound simple, but it's a very difficult traffic problem to solve, as anybody who's traveled U.S. 40 knows. It involves analysis with a battery of automation equipment."

As part of the project, the highway department ultimately intends to install a Traffic Information Center (TIC) on Barrett Station Road. Haefner's students will augment the TIC, gather data and help in research-related tasks relevant to the center. The center eventually will store a complete freeway-monitoring system that will be the centerpiece of service for the entire metro area. This will include closed-circuit television and time-lapse photographic technology that will contribute to the opening and closing of ramps.

After the initial data-gathering portion of the research, a subsequent six months is planned to plot solutions to congestion on U.S. 40. "We hope to use the information gleaned from the data-gathering and apply that to other situations in the area and the state," Haefner said. "The body of work can be used as a sort of protocol for other traffic flow balance problems."

Students plan two events for Wrighton inauguration

Senior Allison O'Steen wants her fellow students to get to know Chancellor Mark S. Wrighton, Ph.D.

O'Steen, graduate student Lottie Cranor and senior Mark Klapproth, Student Union president, are planning two inauguration events designed to help students do just that. Wrighton will be installed as the University's 14th chancellor on Oct. 6.

The organizers are planning two events specifically targeted to all students, although faculty, staff and alumni are welcome, too. An inaugural festival will be held from noon to 2:30 p.m. Oct. 6 in Bowles Plaza (rain location: lower level of Mallock-Kroft Center). Later, at 8:30 p.m., the students will host an inaugural gala at the Field House in the Athletic Complex. O'Steen, Cranor and Klapproth are members of the Inaugural Planning Committee. O'Steen and Cranor also are student representatives to the Board of Trustees. Also helping organize the student events is senior Phillip T. Chazen, a math and secondary education major and special events chair of the Campus Programming Council.

O'Steen, a psychology and German major, wants students to get to know Wrighton not only as a leader but as an individual. "A lot of students just know Chancellor Wrighton by his title. We want them to see him as a person. We want students to hang out with the chancellor."

Cranor said the inauguration "is a good opportunity for our whole community to come together and welcome the new chancellor. Students are a very important part of the Washington University community. Typically, graduate students don't attend a lot of student events. We want to encourage graduate student participation."

The informal festival in the afternoon will feature performances by such student musical groups as the Greenleafs and the Pep Band and treats such as Ted Dresses frozen custard.

The student organizers also are trying to honor Wrighton by asking alumnus Ted Dresses to name a special treat after the chancellor, said Cranor, who is pursuing a doctorate in engineering and policy and a master's degree in...
Researchers have learned how to treat certain gait disorders

Walking problems are a major complaint of older Americans, and they also can affect middle-aged people. But the majority of such problems cannot be treated or even attributed to a cause. A new approach is beginning to show promise in older patients from which they mainly affect the nerves of the limbs rather than the central nervous system.

"Although this is a relatively uncommon cause of walking difficulty, it has been treated," said Alan Pestronk, M.D., professor of neurology and of pathology, "and the improvements can be maintained for several years." The patients produce antibodies that attack nerves or their insulation (myelin). Like damaged telephone lines, these nerves have trouble carrying messages between the limbs and the brain.

Pestronk is treating patients with a variety of such disorders. Some suffer from anti-myelin-associated glycoprotein (MAG) neuropathies, which also produce weakness and loss of sensation in the hands and feet. MAG is a myelin component of motor and sensory nerves. Other patients suffer from GdLQ (gait disorder, antibody, late-age-onset, polyneuropathy) syndromes, which Pestronk identified in 1994. They often get up from a sitting or lying position and take small steps, tend to fall back over and ahead, and experience numbness in their hands and feet. When they close their eyes, they have difficulty detecting the positions of their fingers and toes. Drug therapy can help slow or stop nerve damage, but not cure the disease.

Nontraditional approach

Traditional immunosuppressants, such as the steroid prednisone, usually are not effective against anti-MAG neuropathies and GALQ syndromes. Since 1995, Pestronk and colleagues have sought to keep the autoimmune disorders at bay. Every month for six months, patients received a patented screening test, which detects and removes antibodies to myelin. "This allows us to see if their gait problems or neuropathies result from certain immune responses," Pestronk said.

Pestronk and colleagues have developed a test, which they have patented, that detects antibodies to myelin. "We determine which patients have received a patent. The tests detect antibodies to myelin that may cause the disease," Pestronk said.

William G. Powderly named co-director of infectious diseases division

William G. Powderly, M.D., has been named co-director of the Division of Infectious Diseases at the School of Medicine and chief of the division’s clinical section. Powderly is an associate professor of medicine and principal investigator of the School of Medicine’s federally funded AIDS Clinical Trials Unit. His appointment was announced by John P. Atkinson, M.D., head of the Department of Medicine.

Powderly will share the post of division director with Eric Brown, M.D., who is stepping down. Medoff succeeded Gerald Medoff, M.D., who is stepping down. Medoff served as director of the division in 1972 and has served as co-director with Brown since 1989. Medoff, a professor of molecular microbiology and medicine, also is vice chairman for clinical affairs in the Department of Medicine. In that role, he will continue to be involved in the clinical activities and teaching programs in the School of Medicine.

Powderly’s research focuses on testing new drugs for the treatment of AIDS and its life-threatening complications, including pneumocystis pneumonia. Kaposi’s sarcoma and fungal infections. His studies have helped improve the ways physicians treat AIDS patients. In recent studies, Powderly and his co-investigators have shown that a particular drug can prevent the onset of pneumocystis pneumonia and invasive fungal infections in AIDS patients.

Powderly joined the Washington University School of Medicine in 1987 and was named associate professor of medicine in 1993. A native of Iowa, Powderly studied at the University of Iowa and received his medical degree in 1979 from the National University of Ireland. He completed his internship and residency in internal medicine in 1981. He became a professor in 1992.

Dermatology division names director

Howard G. Welgus, M.D., professor of medicine, has been named director of the Division of Dermatology at the School of Medicine and the Jewish Hospital of St. Louis. The appointment was announced by O. Arthur Zinberg, M.D., dean of the School of Medicine and principal investigator of the National Institutes of Health’s GMA-1 study.

Welgus succeeds B. Gerald Medoff, M.D., who is stepping down. Medoff served as director of the division in 1979 and was named co-director of the National Institutes of Health’s GMA-1 study.

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**Washington People**

**Dowton: top geneticist from Down Under**

In the Australian outback, near his grandparents' 60,000-acre sheep station, Bruce Dowton had one of his first glimpses of the power of medicine at age 4.

At a large family gathering, one of Dowton's cousins, a school-aged boy, began having severe abdominal pain. The telephone system, which was sustained by a 32-volt battery system, was on the blink that day, and Dowton vividly remembers his grandfather talking back and forth with a dispatcher on a shortwave radio.

"I didn't understand what all the commotion was about. People were running around, and there was lots of angst throughout the house," Dowton said.

"Then, suddenly, we were told to get our coats and go to the car. All the other family members piled into the cars, and then I remember my grandfather carrying my cousin out to the car. We took off!"

Dowton also didn't understand the purpose of this lawn of sorts until his relatives lined up at the edge of a primitive runway to provide the lights for the Royal Flying Doctor Service, which would transport his cousin to a regional hospital.

"Doctors in a town about 200 miles away found that his cousin had a testicular torsion. He had surgery that evening and fully recovered."

But the experience made a lasting impression on Dowton.

Today, Dowton, M.D., director of the Division of Medical Genetics in the Department of Pediatrics and associate dean for medical education, has a reputation as a phenomenal educator and clinician and is recognized for his leadership style and vision in his administrative role at the School of Medicine.

"I think one of the things that characterizes Bruce is a maturity and wisdom that is well beyond his age," said Harvey R. Colten, M.D., Harriet B. Spoehrer Professor of Pediatrics and professor of molecular microbiology.

"Early in his career, he was looked to by many younger people for guidance, even when he was still fairly junior himself. I think that has been a component of what he has made himself into an outstanding teacher."

Arnold W. Strauss, M.D., director of the Division of Cardiology in the Department of Pediatrics and professor of pediatrics and of molecular biology and pharmacology, said Dowton is a unique physician for a number of reasons.

"What sets him apart is an interest in going from the patient to the laboratory and back, his astute clinical observations and his very strong training in physical examination and patient evaluation in the Australian system," he said.

**Interest in medicine began early**

Dowton attributes his decision to become a doctor to some of his early experiences with medicine, including some traumatic hospitalizations, and a keen interest in the inquiry part of science.

While growing up in Dubbo, Australia, a small country town in the rolling foothills about 230 miles from Sydney, Dowton was always interested in math and science.

He was fortunate to have a high school science teacher, Don Bates, who encouraged him to go beyond learning in the classroom. Bates entered Dowton in a statewide science project that was advanced for a high school student.

Dowton became interested in the potential of antibiotics to kill bacteria and pursued a project using the local science projects that were advanced for a high school student and then a town of 15,000. I was just mesmerized by the size of the university. It had a library that was unbelievable, with 10,000 books of hours," he said. "It was just like heaven on Earth to find such a repository of information into which you could walk."

In the microbiology lab, Dowton picked up some agents, bacterial strains and the help he needed to continue his project. He also made the decision, on that trip, that this was the place where he would attend medical school.

In Australia, students go straight from high school to medical school. Dowton decided to specialize in genetics, as a result of the bacterial genetics research he had undertaken in high school and a first-year medical school course in genetics that he enjoyed.

**Coming to the United States**

At the end of his first year of medical school, Dowton made his first trip to the United States. He and a group of friends flew to the West Coast and traveled by bus across the United States and down through the deep South. During part of the trip, Dowton went up the East Coast and was quite taken by Boston and Cambridge, Mass.

"Cambridge again was wonderful because it was replete with interesting people and places. It was just a very tantalizing environment," he said. "So I began to think in the back of my head that one day, somehow, I would go back there and spend more time."

Dowton did return to Boston and Cambridge, to complete two electives during his medical school and later for a residency in pediatrics at Boston Children's Hospital in 1980.

During his residency, an attending physician introduced Dowton to a new area of research, gene expression. That physician, Harvey Colten, later would work into the school and grade papers while Dowton worked next door in the lab.

"After a while, Dowton needed more resources for his research, so during a spring vacation he visited the University of Sydney's microbiology department and went looking for someone who could help him.

"He asked me for one of my former students that had been working in his laboratory. They came down and spent some time in Sydney, and after that, we didn't hear from them," Dowton added.

"The trip to the University of Sydney, at the age of 16, laid the foundation, he said, for his close affiliation with academia today.

"This was a very memorable experience. From the vast yet understudied Australian outback and then a town of 15,000, I was just mesmerized by the size of the university. It had a library that was unbelievable, with 10,000 books of hours," he said. "It was just like heaven on Earth to find such a repository of information into which you could walk."
Films

All Filmboard movies cost $3 and are shown in Room 100 Brown Hall. For 24-hour Filmboard hotline, call 935-5983.

Thursday, Sept. 21
7 and 9:30 p.m. Filmboard Feature Series. “Holiday” (1938, B&W), directed by George Cukor.

Friday, Sept. 22
7 and 9:30 p.m. Filmboard Feature Series. “Clerks” (1994), directed by Kevin Smith.

Midnight. Filmboard Midnight Series. “Coming to America” (1988), directed by John Landis. Also Sept. 23, same time, and Sept. 24 at 9:30 p.m.

Wednesday, Sept. 27
7 and 9:30 p.m. Filmboard Foreign Series. “Pickpocket” (1959, B&W), in French with English subtitles. Directed by Robert Bresson. (Also Sept. 28, same time.)

Friday, Sept. 29
7 and 9:30 p.m. Filmboard Feature Series. “Dead Again” (1991), directed by Kenneth Baker.

Midnight. Filmboard Midnight Series. “Close Encounters of the Third Kind” (1977), directed by Steven Spielberg. (Also Sept. 30, same time.)

Lectures

Thursday, Sept. 21
11:15 a.m. Social work seminar. “Components of a Quality Research Proposal: The Aims Section,” Enola K. Proctor, Frank J. Blinn Professor of Social Work Research and director of the Center for Mental Health Services Research. West Campus, Room 353 Conference Center. 935-5741.


Friday, Sept. 22


Saturday, Sept. 23
4 p.m. Immunology seminar. “What’s New in Hepatic Surgery,” Seymour I. Schwartz, Everts A. Graham Visiting Professor of Surgery and prof. and chair, Dept. of Surgery, U. of Rochester School of Medicine, New York. Clinton Aud., 4950 Children’s Place. (General surgery conference: 8 a.m.)

Monday, Sept. 25
4 p.m. Immunology Seminar. “EBV Transcription Programs: Genetic Switches and Default Settings,” Ian Spack, assoc. prof., Dept. of Medicine, Third Floor Aud., St. Louis Children’s Hospital.

Tuesday, Sept. 26

3 p.m. Geometry seminar. “Lie Sphere Geometry II,” Gary Jensen, prof. of mathematics. Room 190 Campus II Hall.

4 p.m. Chemistry seminar. “Modeling the TRH Receptor Binding Pocket by Molecular Experimental and Computer Analysis,” Marcia Gershengorn, prof. of medicine and directing, Division of Molecular Medicine, Cornell U. Medical School and New York Hospital. New York. Room 311 McMullen Lab. 935-6530.

7 p.m. Social work lecture. “Twenty Years of Family Research and Practice,” Harold Leffey, prof., Dept. of Psychiatry, U. of Miami School of Medicine, Florida. Brown Hall Lounge. 935-5687.

Wednesday, Sept. 27


4:30 p.m. Art lecture. Will Mostir, visiting prof. of art, whose critically acclaimed work engages a dialogue involving rural America. Steinberg Hall Aud. 935-6597.

Thursday, Sept. 28

4 p.m. Molecular oncology seminar. “Protein-protein Interactions Between Estradiol and Hormone Proteins,” Stephen P. Goff, investigator, Howard Hughes Medical Institute, and Higgins Professor of Biochemistry, Columbia U., New York. Third Floor Aud., St. Louis Children’s Hospital. 362-9055.

Friday, Sept. 29


Performing arts students stage Italian comedy

T he antics of a bumbling clown, slapstick comedy and silly romance are the ingredients that will dominate the stage when the Italian Commedia dell’Arte classic “The Servant of Two Masters” opens Friday, Sept. 29, in the Drama Studio, Room 208 Mallinkrodt Center. The play is the opening drama production of the Performing Arts Department’s 1995-96 season.

Written in the 18th century by Italian playwright Carlo D’Affanni, “The Servant of Two Masters” is a classic example of Commedia dell’Arte — a highly physical comedy in which actors rely on elaborate masks and exaggerated body gestures to convey fear, confusion, sadness, love and other emotions.

The play will be offered six times over two weekends, with performances at 8 p.m. Sept. 29, Sept. 30, Oct. 6 and Oct. 7; at 7 p.m. Oct. 1; and at 2 p.m. Oct. 8. The production is directed by Melanie Dryer, artist-in-residence at Washington University and co-artistic director of St. Louis’ ShatteredMask Theatre.

“The atmosphere of this play is very much like a carnival or a performance that is staged at a busy fairground,” Dryer said. “It’s more than just a play. It’s an event. There are dancers, musicians, people who will peddle food in the audience and other elements that broaden the theatrical experience.”

Although the play is set in 16th-century Italy, Dryer compares the plot to a “shallow soap opera.” Silvio and Clarice are in love. All is well until Clarice’s former fiancé returns from the dead — a storyline still common in many modern soaps. The savior in this case is a bumbling clown who has successfully hired himself out to both couples.

“This play is a guaranteed people-pleaser,” said Dryer. “Goldoni was not interested in highly intellectual messages... He wrote his plays to please the audience.”

Senior Jeff Pagliano stars as Truffaldino the clown. Other roles include senior Holly Amato as Smeraldina; junior Daniel Sullivan as the old miser Pantalone Del Bisognio; sophomore Corey Jones as Dr. Lombardi; and freshman Will O’Hare as Brigella. Rounding out the cast are junior Dani Sher as Beatrice; sophomore Russell Chambliss as the second waiter, Sanjit De Silva as Florindo; Kevin Ilia as Silvio and Lauren Silver as Clarice; and freshmen Jamie Hayes as the first waiter and Melissa Myers as the porter.

Tickets are $8 for the general public and $6 for senior citizens and University faculty, staff and students. For more information or a copy of the season brochure, call 935-6543.
Music
Saturday, Sept. 30

Performances
Saturday, Sept. 30
8 p.m. Edison Theatre “OVATIONS!” series: Maureen McGovern and the Odes, Ellington Orchestra. Cost: $100 for Section A; $85 for Section B; and $75 for Section C. (3100 tickets include meal, music, and admission to the artist.) Edison Theatre. 935-6543.

Miscellany
Friday, Sept. 22
10 a.m.-5 p.m. Fourth Annual Career Fair. “Gateway to the Future.” A host of companies will be represented. Open to the entire WU community. Friday, September 22. Free. All admission to the fair is required. Call Apron Wuz at 966-4680.

Wednesday, Sept. 27
4 p.m. Poetry reading. Pattanna Rogers, author of “Finder: New & Selected Poems” and “Splitting and Binding.” Hust Lounge. 935-5190. Room 201 Duncker Hall. 935-5190.

Friday, Sept. 29
8 p.m. Occupational therapy workshop. “Clinical Challenges and Opportunities.” A two-part workshop. “Maximizing Functional Visual and Cognitive Performance in Older Adults” and “Responding to the Challenges of Managed Care in Long-term and Home HealthCare.” Continues 8 a.m.-12:30 p.m. Sept. 30. Pre-registration by Sept. 22 required. Call Anne Lu at 228-1614.

4 p.m. Catholic Student Center open house. “Journey to the Future.” Open only to current students interested in the Catholic intellectual tradition are invited. Catholic Student Center.

Rockapella slated for ‘young people’ shows
Rockapella, the house band of a popular PBS-TV children’s show, will bring its a cappella mix of original rock, blues, jazz, pop, reggae and calypso to Washington University for two “ovations! for young people” shows at 2 p.m. and 4:30 p.m. Oct. 1 in Edison Theatre.

Rockapella stars daily in the hit national PBS-TV series “Where in the World is Carmen Sandiego?” As resident vocal band and features in various outcomes, the group possesses the perfect style of music on the game/variety show, including the popular title song. Now in its fourth season, the geographically-themed show has attracted a viewership of 10 million people.

The Boston Globe described a recent Rockapella concert as upbeat, whole- some, diverse, spiced with playful bits and well-suited to the attention span of young audiences. It called Rockapella’s latest album “a testimony to how truly fine music can easily cross the age barrier and grab young and old.”

Rockapella’s performance is part of Edison Theatre’s “ovations! for young people” series, which offers programs of special interest to children ages 6 and older. Performances last about one hour and are followed by question-and-answer sessions with the artists. All tickets are $10 and available at the Edison Theatre box office (935-6543) or MetroTix (534-1111).

Noted Kenyan paleoanthropologist to speak on ‘The Sixth Extinction’
Renowned Kenyan paleoanthropologist Richard Leakey will speak on “The Sixth Extinction” in the Assembly Series at 11 a.m. Wednesday, Sept. 27, in Graham Chapel. Washington University identification is required for the lecture. The general public will be seated at 11 a.m. at 5 p.m. if seating remains. An audio feed will be set up outside the chapel.

An hour-long informal discussion with Leakey is scheduled for 2 p.m. in Lambert Lounge, Room 303 Mallinckrodt Center. The discussion is free and open to the public. Leakey, son of famed fossil-hunter Louis and Mary Leakey, takes the visit to the forefront of the discovery of early human origins and African wildlife and nature conservation for the last 30 years. He will inform the audience of the latest findings by the Homing Gen—The fossil-hunting team led by Meave Leakey, Richard’s wife. Her recent article in the respected Geographic magazine details the finding of a 4.1 million-year-old hominoid jawbone—significant first because, before this discovery, there was little evidence of hominoids older than 3.6 million years. Richard’s leadership of the group in recent years allowed for his husband’s deepening involvement in wildlife conservation. Richard Leakey’s professional interest in the natural world began in the 1950s, when he trapped primates for research.

Leakey, in 1968, he became administrative director of the National Museum of Kenya. He was promoted to chief executive in 1974 and, since 1989, has been the organization’s chairman. Leakey was director of Kenya Wildlife Service from 1989 until he resigned in 1994 after a bitter dispute with the government of Daniel arap Moi. As director, he drew international support for virtually eradicating poaching from Kenya’s game parks and raised considerable funds for Kenya’s wildlife conservation.

Leakey recently launched an opposition political party, the National Alliance for the tide of political corruption and lawlessness that he said, threatens to destabilize Kenya. He consequently has been the victim of intimidation and harassment by Moi’s ruling party. Leakey is author and co-author of numerous scientific articles and books. His most recent book, “The Sixth Extinction,” is forthcoming.

Leakey, who received an honorary degree from Washington University in 1994, was awarded the National Geographic Society’s Hubbard Medal that year. His lecture is co-sponsored by the Assemblies Series; the Department of Anthropology in Arts and Sciences; Lambda Alpha, the national honor society in anthropology; and Student Nations of America. For more information, call 935-5297.

Women’s soccer team moves to 3-1 record
Squaring its 1995 win-loss record at 3-1, the Bears prepared for the University of Illinois (Elmhurst) and Case Western Reserve University last week.

Starting five by seemingly out-playing 2-0 scorers, the Bears out-shot Principia 4-2-1, 28-14, and 8-0 in breaks and 5-1 in goal and one assist. Lori Thomas continued her assault on the Bear record book by scoring both goals against Case Western Reserve. Weaver enjoyed a strong week with one goal and one assist.

Current record: 3-3-1

This week: 4:30 p.m. Wednesday, Sept. 20, at Maryville University, St. Louis; and 7:30 p.m. Sunday, Sept. 24, at DePaul Tournament, Greeningle, Ind.

Cross country Bears continue winning ways
Both the men and women’s cross country teams posted strong performances while earning team titles at Saturday’s Principia College Invitational. The women’s team won with a first-place showing by freshman sensation Emily Richard, who had five of the top six runners through the chute. The men, paced by second-place senior Alex Flammang, captured four of the top five places.

This week: 11 a.m. Saturday, Sept. 23, vs. University of Wisconsin-Oshkosh (at Illinois Benedictine College, Lisle, Ill.)

Women’s tennis opens with two victories
The women’s tennis team opened an abbreviated fall season with sterling wins over the University of Illinois—Chicago and Western Reserve University.

This week: 2-0 a.m. Saturday, Sept. 23, vs. University of Wisconsin-Oshkosh (at Illinois Benedictine College, Lisle, Ill.)

Current record: 2-0

This week: 3:30 p.m. Tuesday, Sept. 19, at St. Louis University
F or the first time since its construction in 1912, University House will undergo necessary and significant im-
provements, including changes to the second floor, where Chancellor Mark S. Wrighton, Ph.D., will live.

Within the next few months, the physical improvements that have been made in the last 90-plus years, the
director of maintenance at 6420 Forsyth Blvd has not been modernized significantly.

Essentially, the building has the original plumbing and electrical systems, which have not been system-
atically updated to make it livable and usable.

The Board of Trustees' Building and Grounds Committee in August approved renovations to University House, and the
trustees' Executive Committee gave its approval Sept. 1.

Steve F. Brue, chairman of the Building and Grounds Committee, said two options were discussed by the com-
mittee on the building-down renovation.

"It's a wonderful old building with great architectural detail," said Brue, who also is head of the National Council of
the Washington University School of Engineering and Applied Sciences. "It simply needs to be updated and improved.

I think it's preferable to renovate it rather than tear it down. We don't plan to add any new floors to the building, but from the roof down and bringing it up to a decent condition.

Wrighton, who became the University's 14th chancellor on July 1, will be the first occupant of University House since the early 1970s.

William H. Danforth, who served as chancellor from 1973-1995, lived in his personal home and primarily used
University House to host events. The last faculty member to serve as chancellor from 1962-1971, was the last to
live in University House.

History of University House

Henry Haarstick, a St. Louis businessman who migrated from Germany, commission the building of University House and Whitmore House as homes for himself and his wife, Emma and Ada. Clinton and Emma Haarstick
Whitmore lived in University House. Oscar T. Haarstick, who served as president of the University, was the architect for the
University. In the 1958s, the children of Emma and Clinton gave University House to the University. Ethan Shepley, who served as chancellor from 1964-1981, was the first chancellor to live in the house.

Student inaugural gala set

"...the technology we are using is something that isn't being done anywhere else in the United States." - Stuart Yoak

Jennifer Kennish, a senior chemical engineering major, tries out her "smart" card. The University is in the process of converting copy machines across campus to a standardized system that will allow students to use their identification cards to pay for copies anywhere on campus. Other vending machines, including those for games and snacks, are also slated for upgrade to cash-card technology.

The computer chip provides so much more information that isn't being done anywhere else in the United States," said University Registrar Stuart Yoak.

Yoak points out that the memory capabilities of the chip cards being intro-
duced at Washington University will be far from exhausted by simply tracking student finances. Officials have begun brainstorming potential uses for the remaining memory capacity, which conceivably could be used to store stu-
dents' health information or academic records.

"The conference is designed to enable participants to return to their local communities to implement pro-
grams which they develop during the conference," said Enola K. Proctor, Ph.D., Frank J. Bruno Professor of Social Work Research and director of the school's research center.

For more information, call 935-5687.

Mental health conference focuses on families

"Families' Experience With Severe Mental Illness" is the focus of a regional conference to be hosted Tues-
day, Sept. 26-Thursday, Sept. 28, by the Center for Mental Health Services Research at the George Warren Brown School of Social Work.

The conference, which will attract teams of mental health practitioners from five Midwestern states, is closed to the public, except for an opening key-
note address by Harriet Leftley, a top mental health researcher at the University of Miami. The conference is open to local communities to implement pro-
grams which they develop during the conference," said Enola K. Proctor, Ph.D., Frank J. Bruno Professor of Social Work Research and director of the school's research center.

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Memorial to be held for Stanley Elkin

T he Department of English will hold a memorial for Stanley Elkin at 5 p.m. Sept. 29 in Steinberg Hall Auditorium. The public is invited to attend the memorial, which will be followed by a reception.

Stanley Elkin, Ph.D., who died May 31 of heart failure at age 65, was the Merle Kling Professor of Modern Letters at Washington University and served on the faculty for 35 years.

The memorial will feature readings by members and guests of the University community. They also will discuss Elkin’s work and share their memories of him.

Those participating will include K. Anis Ahmad, a student of Elkin’s in the graduate writing program; William H. Gass, Ph.D., Harry F. Guggenheim Distinguished University Professor in the Humanities and director of the International Writers Program; and Helen Vendler, Ph.D., Arthur Kingsley Porter University Professor in the Harvard University Department of English, who will also take part in the memorial. Distinguished Books — 10 novels and seven collections of shorter works. In 1982, he won the National Book Critics’ Circle Award for “George Mills.” He attended the University of Illinois at Urbana-Champaign, earning a bachelor’s degree in English in 1963 and a doctorate in 1961.

Elkin came to Washington University as an English major in 1969, he had attained the title of full professor and chaired the Modern Languages and Literatures Department, before he was appointed professor of Modern Letters in 1983.

At the time of his death, Elkin had just completed a novel, "Mrs. Ted Bliss," which was released in the Campus Bookstore.

Garganigo admitted to Uruguay Academy

Garganigo, who was born in Como, Italy, received a bachelor’s degree in Spanish, cum laude, from Fordham College in New York City, N.Y., in 1959, a master’s degree in Spanish from the University of Illinois at Urbana-Champaign in 1961, and a doctorate in Spanish and Portuguese from the University of Illinois in 1965.

Obituaries

Theodore Sanders, retired ophthalmology professor

Theodore E. Sanders, M.D., former clinical associate professor of ophthalmology, died Aug. 7 at St. Luke's Hospital in Chelsea after a brief illness. He was 89 and lived in Chelsea.

Sanders, who directed an ophthalmology fellowship program at the School of Medicine, joined the school in 1936 as an assistant professor of ophthalmology. In 1953, he was named clinical associate professor of ophthalmology and visual sciences and remained at that title until 1974, when he was named emeritus rank. He received a medical degree from the University of Nebraska's medical school in 1933.
Automated traffic systems on horizon — from page 1

at ramp C. That’s done over all lanes, such as I-270, I-170, I-65 and I-55, you get a ‘smart’ freeway-management system.”

Beyond establishing the TIC, the intelligent transportation system highway systems is to incorporate the driver into the system. A route-guide computer program can be installed in cars and eventually make radio helicopter traffic reports obsolete. “We’re at the very beginning of a revolution,” M. Olin School professor John M. Olin said. “New technological developments urge us to be thinking about how we’re going to perform with minimal professional support in the future.”

Highway systems are going to be part of our lives very soon.”

The following is a list of positions available at the School of Medicine. Employees who are interested in setting up meetings, events; one report of obscene telephone calls. The subjects were not at Hilltop Campus outside Olin Library. The students were set free at the scene when police arrived. A light cover was wanted on an outstanding warrant from Hilltop Campus.

The senior associate is expected to exercise independent judgment and work under minimal supervision, ability to function in a team atmosphere; ability to handle multiple assignments and prioritize work; confidentiality; personal computer; experience with Microsoft Windows, three years experience. Application required.

Listed Technical Assistant (Analytic Computing) 960065. Office. Requirements. Bachelor’s degree, experience in audiovisual procedures and/or education in a medical/clinical setting; good preparation experience highly preferred; typing 50 wpm.

Medical Library.

Schedule: 4 hours setting up meetings, events; one report of stolen plate.

Schedule: part time, 9

Schedule: flexible hours.

Though the intelligence required to perform with minimal professional support and in providing new activities. Application required.

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Schedule: 4

Schedule: flexible hours.

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