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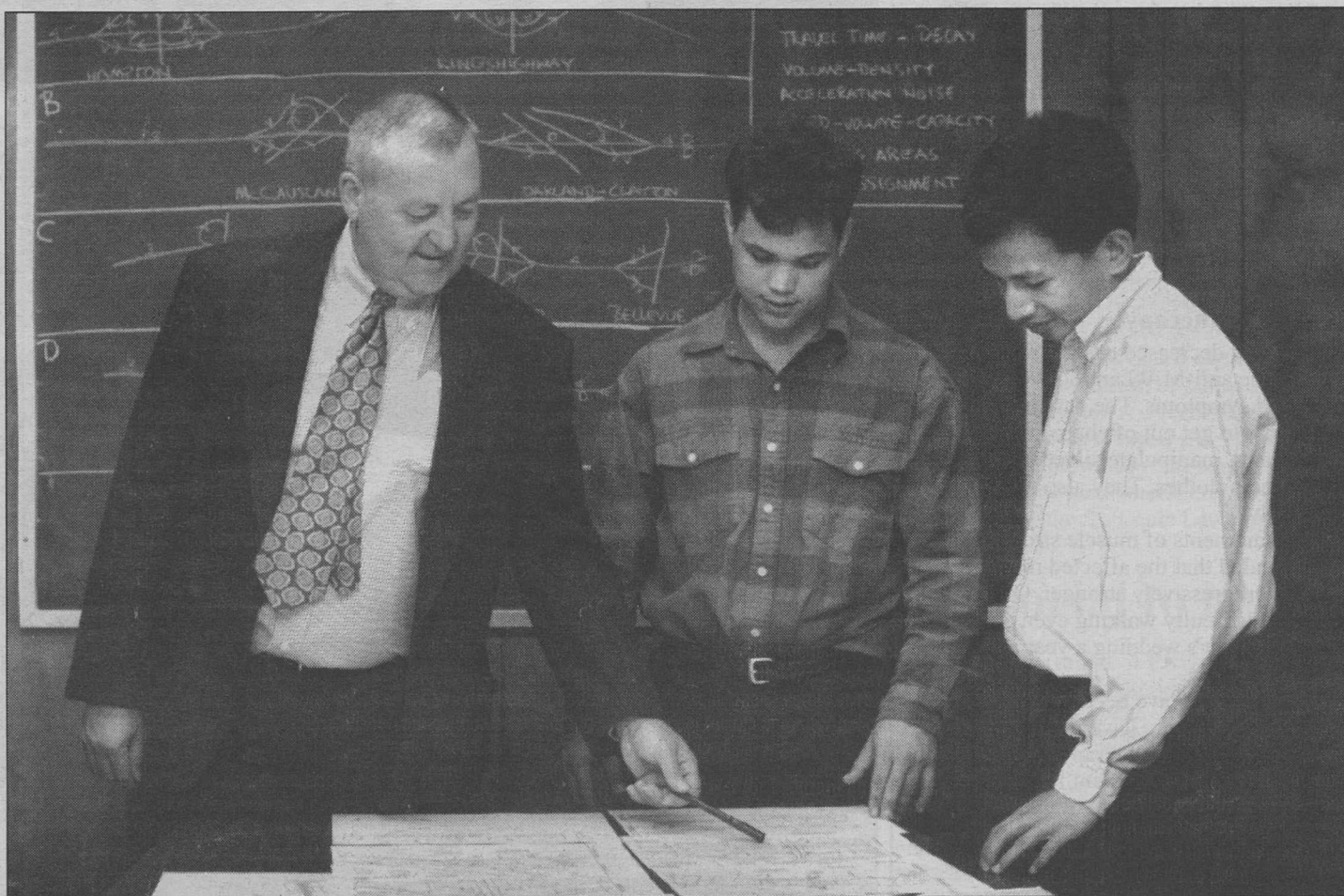
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Record

WASHINGTON
UNIVERSITY
IN ST. LOUIS

Vol. 20 No. 5 Sept. 21, 1995



Lonnie Haefner, Ph.D., professor of civil engineering, discusses highway maps with graduate students Luis Porrello (left) and Ming-Shiun Li.

Doctoral programs show improvement in NRC rankings

In the rankings released last week by the National Research Council (NRC), "doctoral programs at Washington University made significant strides over the previous rankings conducted in 1982," according to Robert Thach, dean of the Graduate School of Arts and Sciences. Altogether, eight doctoral programs at Washington University earned top-10 honors, and five other programs were ranked in the top 25 in one or more of 10 different NRC categories.

Among the highlights in the NRC study are top-10 rankings for faculty reputation in German Language and Literature at seventh, Neurosciences at eighth, and Cell and Developmental Biology ranked ninth.

Seven Washington University program areas received top-10 recognition either for the total number of scholarly journal citations, or the total number of scholarly journal citations per faculty member. These may be viewed as two slightly different measures of a program's impact on its field. In one or the other version of this measure of citations, both History and Biochemistry and Molecular Biology ranked third in the nation. Both Psychology and Cell and Developmental Biology ranked fourth. Neuroscience ranked sixth. Molecular and General Genetics ranked eighth, and Anthropology was tied for 10th.

"In the 1982 rankings, only one Washington University program was in the top 10 in any category," Thach noted.

Seven other NRC program classifications earned top-25 rankings for Washington University in ratings of faculty quality: Ecology, Evolution and Behavior (13th), Biochemistry and Molecular Biology (13th), Molecular and General Genetics (16th), Anthropology (17th), Political Science (24th), French Language and Literature (24th), and Comparative Literature (25th).

In scholarly journal citations, three additional NRC doctoral program categories achieved top-25 rankings for Washington University: Ecology, Evolution and Behavior (15th), Geosciences (18th), and Mathematics (20th).

A fourth NRC rating category measures the total number of awards received by faculty in the humanities. Earning top-25 honors for Washington University are German, which tied for 10th, Spanish and Portuguese Language and Literature, which tied for 12th, and Comparative Literature at 15th.

"We are pleased with the improved ratings for Washington University in this

Continued on page 7

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. Haefner and Washington University engineers in the Transportation and Urban System Engineering Program have begun a project to monitor and analyze traffic on St. Louis' "nightmare alley" — U.S. 40.

Funded by the Missouri State Highway Department, the project will attempt to analyze congestion problems on U.S. 40 between Kingshighway and Interstate 170 (Innerbelt) — one of the biggest traffic problem areas in the region.

Haefner said the project, which began in June, is a forerunner to what infrastructure specialists call Intelligent Transportation Systems. These are systems of the future where traveling is done by automation and computer information and control.

"The Missouri State Highway Depart-

ment 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 an accordion-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 televisions and time-lapse photographic technology that will contrib-

ute 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."

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

"Ramp-metering prevents everyone from crowding up the freeway at 5 p.m.," he said. "Traffic flow is monitored 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

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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 Lorrie Cranor and senior Mark Klapow, 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 Mallinckrodt 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 Klapow 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 commu-

nity 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 Drewes frozen custard.

The student organizers also are trying to honor Wrighton by asking alumnus Ted Drewes 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

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Clinicians have learned how to treat walking disorders that result from autoimmune problems

The culture of change 3
Bruce Dowton, M.D., is rethinking the medical school curriculum to better meet the challenges of educating students into the next century

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New ID cards with computer chips revolutionize student finances

Medical Update

Researchers have learned how to treat certain gait disorders

Walking problems are a major cause of disability among older Americans, and they also can affect middle-aged people. But the majority of such disorders cannot be treated or even attributed to a cause. Now clinicians at the School of Medicine have learned how to diagnose and treat those that arise when the immune system damages nerves that carry messages to the feet and hands.

Up to 3 percent of gait problems in older patients arise from such an autoimmune process. These conditions differ from most other walking disorders because they mainly affect the nerves of the limbs rather than the central nervous system.

"Although this is a relatively uncommon cause of walking disability, it now can be 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 GALOP (gait disorder, antibody, late-age onset, polyneuropathy) syndromes, which Pestronk identified in 1994.

"They are unsteady on their feet, take small steps, tend to fall over backward and experience numbness in their hands and feet. When they close their eyes, they have difficulty detecting the positions of their fingers and toes."

Nontraditional approach

Traditional immunosuppressants, such as the steroid prednisone, usually are not effective against anti-MAG neuropathies and GALOP syndromes. So Pestronk used a different strategy to keep the autoimmune disorders at bay.

Every month for six months, patients underwent two consecutive days of plasma exchange followed by one day of

intravenous chemotherapy with cyclophosphamide, a drug that also is used to treat cancer. The plasma exchange washes antibodies from the blood, and the cyclophosphamide kills cells that make the antibodies. Together, they reduce the levels of harmful antibodies in the bloodstream.

In the August 1995 issue of *Neurology*, Pestronk describes four of the patients he has treated for anti-MAG neuropathies. The participants, whose symptoms were getting worse, ranged in age from 40 to 70.

Benefits of therapy

The therapy decreased each patient's level of the anti-MAG antibodies and improved symptoms. The patients were better able to get out of chairs, walk, climb stairs, manipulate silverware and button their clothes. They also fell less frequently.

Measurements of muscle strength and grip revealed that the affected muscles became progressively stronger. One man who had difficulty walking even danced at his daughter's wedding a year after his treatment ended.

Patients who have been followed for more than two years have needed a subsequent round of therapy. "The advantage of this treatment is that it uses a relatively low dose of cyclophosphamide," Pestronk said. "This allows re-treatment of patients over the course of many years with less risk of side effects." Further testing of the treatment methods is in progress.

Short-term side effects are mild, including fatigue and nausea for three to 10 days after a treatment and mild to moderate hair loss toward the end of the six-month course. In the long term, there could be an increased risk of blood and urinary system cancers.

Plasma exchange and cyclophosphamide are widely available in the United States, but patients first must be screened to see if their gait problems or neuropathies result from certain immune responses.

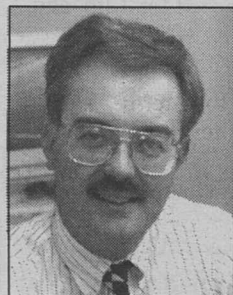
Pestronk and colleagues have developed screening tests, one of which just received a patent. The tests detect antibodies to glycoprotein or glycolipid constituents of myelin.

— Linda Sage

AIDS researcher William 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



William G. Powderly

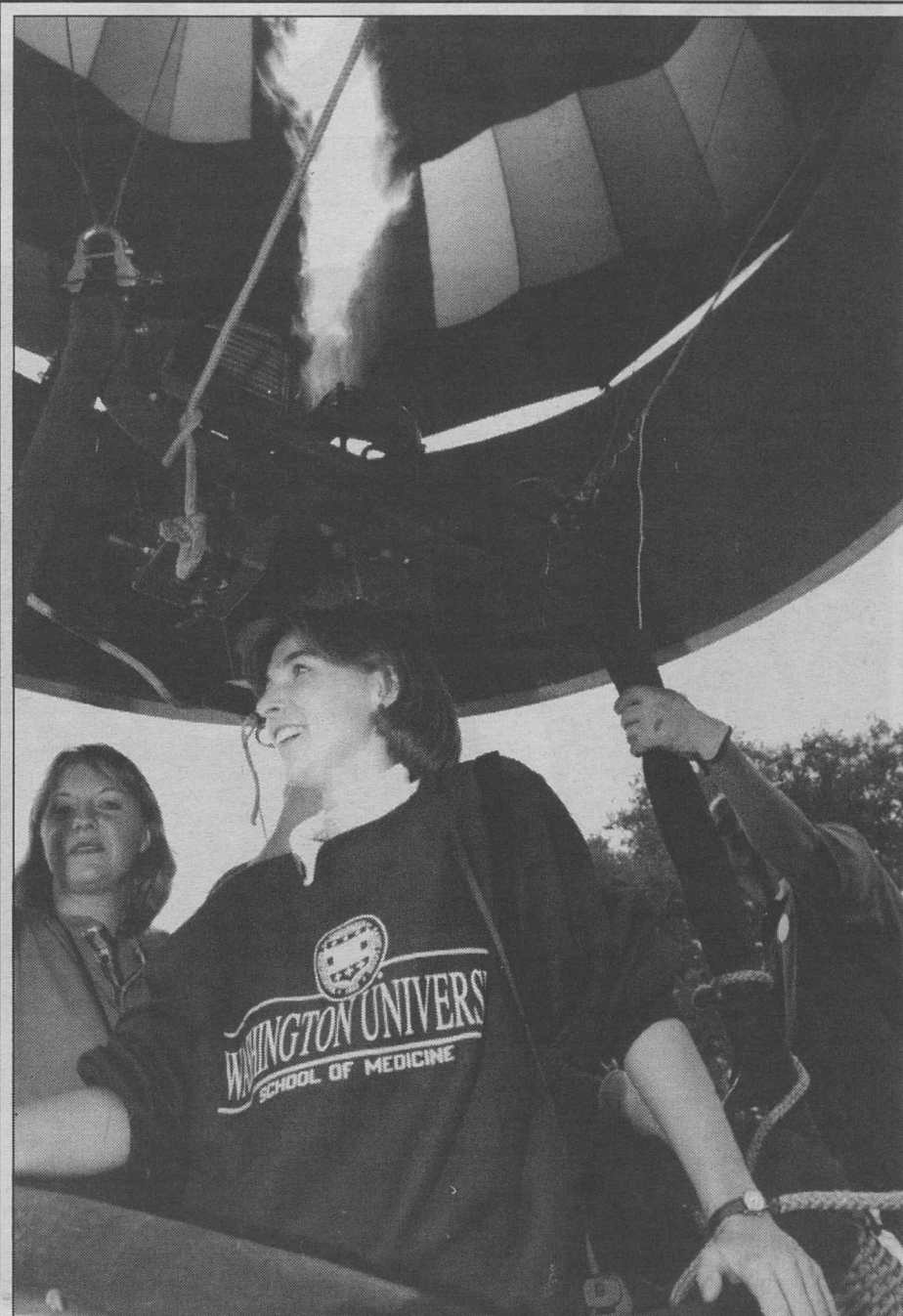
Washington University's federally funded AIDS Clinical Trials Unit. His appointment was announced by John P. Atkinson, M.D., head of the Department of Medicine. Powderly will share the post of division director with Eric Brown, M.D., who oversees the division's research section. In his new role, Powderly will direct the division's clinical activities, including inpatient and outpatient clinics and clinical research involving AIDS, tuberculosis, sexually transmitted diseases and hospital-acquired infections.

Powderly succeeds Gerald Medoff, M.D., who is stepping down. Medoff became 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 at 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 way physicians treat AIDS patients. In two recent studies, Powderly and his co-investigators have shown that drug therapy can prevent the onset of pneumocystis pneumonia and invasive fungal infections in AIDS patients.

Powderly joined the Washington University faculty in 1987 and was named an associate professor of medicine in 1993. A native of Ireland, he studied at University College and received his medical degree in 1979 from the National University of Ireland. Both institutions are in Dublin. Powderly serves on several national AIDS panels, including the scientific advisory committee of the American Foundation for AIDS Research and the National Institutes of Allergy and Infectious Diseases' AIDS research advisory committee.



Julie Jones, center, project manager in clinical affairs at the School of Medicine, takes off in a balloon sponsored by the School of Medicine and the BJC Health System. She is accompanied by race participant Carol Hook. The balloon was one of 68 in The Great Forest Park Balloon Race on Saturday.

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 John P. Atkinson, M.D., head of the Department of Medicine, and by Saulo Klahr, M.D., co-chair of the Department of Medicine and chief of medicine at Jewish Hospital.

Welgus will succeed Arthur Z. Eisen, M.D., the Winfred A. and Emma R. Showman Professor of Dermatology, who has served as division director since 1967.

"Arthur Eisen is one of the finest researchers and clinicians in his field. During the past 28 years, he has built the dermatology division into one of the strongest in the country," Atkinson said. Eisen will assume the directorship of clinical services in dermatology for the School of Medicine and for Barnes and Jewish hospitals.

Welgus' research focuses on metalloproteinases, enzymes that degrade connective tissues in the body. His laboratory has identified new members of this enzyme family, explored how they work and what controls their production, and clarified their role in a variety of diseases.

Research by Welgus and his colleagues has helped to explain that metalloproteinases promote skin healing by allowing certain skin cells to migrate over wounds and form new skin. He and his colleagues also have shown that when these enzymes are produced in excess, they can prevent healing and lead to chronic skin ulcers by degrading newly formed tissue.

Welgus joined the Washington Univer-

sity faculty as an instructor of medicine in 1981. He became a professor in 1992.

Welgus received a Research Career Development Award from the National Institutes of Health (NIH) in 1984, and he served for four years on the NIH's GMA-1 Study Section.

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Washington
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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 6-year-old, began having severe abdominal pain. The telephone system, which was sustained by windmills that charged up 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 short-wave 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 families piled into their cars, and then I remember my grandfather carrying my cousin out to the car. We all took off."

Dowton also didn't understand the purpose of this cavalcade of cars until his relatives lined up at the edge of a primitive runway to provide landing 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 well respected 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 rather junior himself. I think that has been a component of what has made him such 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 250 miles from Sydney, Dowton always was 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 research competition and encouraged him to take on other science projects that were advanced for a high school student.

Dowton became interested in the potential of antibiotics to kill bacteria and pursued a project using the local hospital's radiological facility. Using the facility's equipment, he conducted mutation studies, exposing bacteria to X-rays.

"This research project was a very significant thing that kept me pushing toward medicine as a career because, clearly, a local high school in a country town didn't have the background to help someone do this from classwork alone," Dowton said.

When Dowton was doing bacterial cultures that required attention 18 hours after inoculation, he would inoculate all the plates before starting classes in the morning. Bates then would come in late at night to let Dowton

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.

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

"This was a very memorable experience. From the vast yet underpopulated 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

with Dowton at Washington University. "He had a very different flavor in the way he conducted teaching rounds," Dowton said. "It was very appealing in terms of building science into thinking about clinical questions. It was really out of his interest that I got into the whole area of gene expression."

By working with Colten, Dowton became interested in the basic mechanisms of how genes are expressed and how transcription is turned on and off, largely through Colten's interest in acute-phase plasma proteins.

Dowton, also associate professor of pediatrics and assistant professor of genetics, joined the Washington University faculty in 1986.

His laboratory work has slowed down because of his other responsibilities at the medical school, but he continues to see patients. One of his favorite parts of his position, he said, is explaining genetic information to his patients and the public. In the past 10 years, he added, the medical profession has amassed large amounts of knowledge in this area.

"The biggest leap that's occurred in genetics is the direct application of understanding of basic gene structure and how genes are expressed in clinical circumstances," Dowton said. "Dealing with the translation of information between the laboratory bench and clinical settings is often complex and an area in which I am particularly interested."

This new information, along with predictive testing, often places geneticists at what Dowton calls an "intellectual crossroads." They must juggle the privacy rights of the individual with the rights of an individual's family to know the information and

the right of society to assist the profession in deciding how to use the genetic information.

Focusing on medical education

Because Dowton said he believes individuals need to be better prepared to deal with genetic information, he spends part of his time working with high schools and is involved in programs at the Hilltop Campus to train high school teachers to teach their students about genetics.

As he has helped change the way local high schools teach genetics, Dowton also is working to modify some of the curriculum at the medical school. In 1993, he was named associate dean for medical education, a newly created position.

Following a nationwide movement at medical schools, he has taken on the large task of trying to gear the medical school's curriculum toward different learning styles of a diverse student body and to implement a curriculum to better meet the challenges of educating students into the next century.

To accomplish that, Dowton said, the medical school must move away from so much emphasis on lecture-based learning, or on one model of doing things. "It is clear to me that medical schools that have adopted a rigid way of doing things can have problems in the long term."

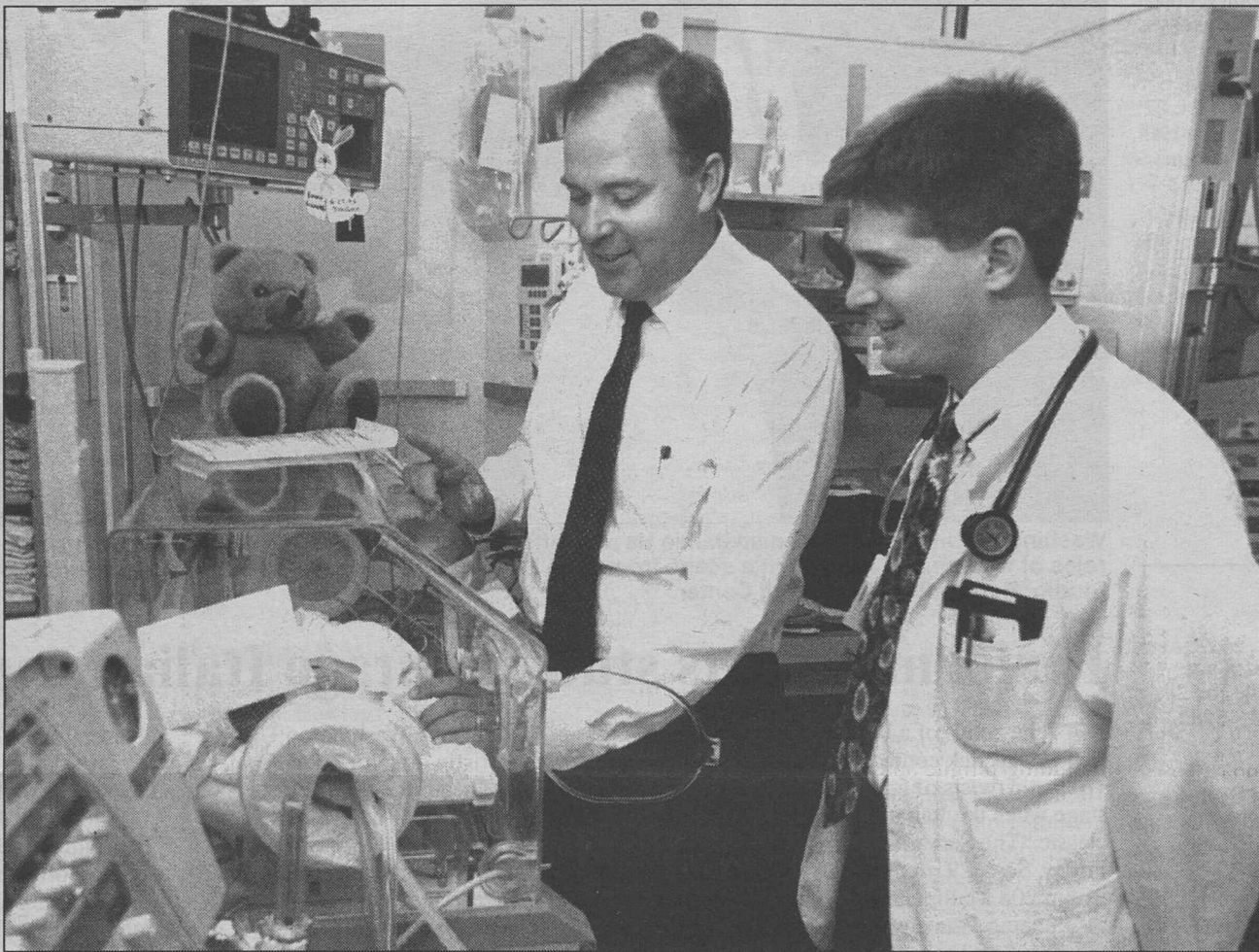
Modifying the curriculum has been rewarding, he said, because it gives him a chance to try to personalize some of the approaches toward the culture of change.

Dowton points to a number of what he calls "new ventures in education" that already are in place at the School of Medicine. The Department of Internal Medicine has implemented an ambulatory component for students during their clinical training. More information technology now is being used, he said, to deliver curriculum.

He also is able to use some of his organizational skills, which Colten describes as legendary, to focus on the overall scope of the medical school. "Dowton is able to master details but has a very clear global picture in mind, so that the collection of details is for a grander purpose than just cataloging," said Colten.

Dowton said he believes the School of Medicine, or any academic school, must make the essence of an academic environment durable. "That ethos is defined by scholarship, new knowledge and open-mindedness," he said. "We do well as institutions to step out of ourselves once in a while and look inward and say, 'Are we being open-minded about what we're doing?'"

— Diane Duke



Bruce Dowton, M.D., left, and third-year medical student Brooke Johnson consult about a premature infant in the Neonatal Intensive Care Unit at St. Louis Children's Hospital.

"I think one of the things that characterizes Bruce is a maturity and wisdom that is well beyond his age."

— Harvey R. Colten

floors of books," he said. "It was just like heaven on Earth to find such a repository of information into which you could waltz."

In the microbiology lab, Dowton picked up some reagents, bacterial strains and the help he needed to continue his project. He also made the decision, on that trip, that this campus was 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 alone 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 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

Calendar

Sept. 21-30



Exhibitions

"The Keenest of Senses: Celebrating the Becker Rare Book Collection in Ophthalmology." Through Dec. 22. Glaser Gallery, The Bernard Becker Medical Library, 660 S. Euclid Ave. Hours: 9 a.m.-9 p.m. weekdays; 1-5 p.m. weekends. 362-4239.

"Motherwell in St. Louis: A Selection From Local Collections." Through Oct. 22. Gallery of Art, upper gallery, Steinberg Hall. Hours: 10 a.m.-4 p.m. weekdays; 1-5 p.m. weekends. 935-4523.

"Engineering at Washington University: 125 Years of Excellence." Through Oct. 30. Special Collections, Olin Library, Level Five. Hours: 8:30 a.m.-5 p.m. weekdays. 935-5444.



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 p.m. Filmboard Classic 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. (Also Sept. 23, same times.)

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 p.m. Filmboard Foreign Series. "Pickpocket" (1959, B&W), in French with English subtitles. Directed by Robert Bresson. (Also Sept. 28, same times.)

Friday, Sept. 29

7 and 9:30 p.m. Filmboard Feature Series. "Dead Again" (1991), directed by Kenneth Branagh. (Also Sept. 30, same times.)

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. Bruno Professor of Social Work Research and director of the Center for Mental Health Services Research. West Campus, Room 353 Conference Center. 935-5741.

4 p.m. Earth and planetary sciences colloquium. "The Formation of Unconformity-type Uranium Deposits: Evidence and Modeling of Free Convection in Preterozoic Sedimentary Basins," Jeffrey P. Raffensperger, asst. prof. of environmental sciences, U. of Virginia, Charlottesville. Room 362 McDonnell Hall. 935-5610.

4 p.m. Chemistry seminar. "One Electron Reduction of Iron, Copper and Molybdenum Sites in Metalloproteins," Richard Petersen,



Washington University freshmen Jamie Hayes (left) and Melissa Myers (right) and sophomore Russell Chambliss play the roles of waiters and a porter in a scene from "The Servant of Two Masters," which opens Friday, Sept. 29, in the Drama Studio, Room 208 Mallinckrodt Center.

Performing arts students stage Italian comedy

The antics of a bumbling clown, slapstick comedy and silly romantic twists of fate 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 Mallinckrodt 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 Goldoni, "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 Dreyer,

artist-in-residence at Washington University and co-artistic director of St. Louis' ShatterMask Theatre.

"The atmosphere of this play is very much like a carnival or a performance that is staged at a busy fairground," Dreyer 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, Dreyer compares the plot to a "shallow soap opera." Silvio and Clarice are in love. Florindo and Beatrice 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 surreptitiously hired himself out to both couples.

"This play is a guaranteed people-

pleaser," said Dreyer. "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 Amatangelo as Smeraldina; junior Daniel Sullivan as the old miser Pantalone Dei Bisognosi; sophomore Corey Jones as Dr. Lombardi; and freshman Will O'Hare as Brighella. Rounding out the cast are junior Dani Sher as Beatrice; sophomores Russell Chambliss as the second waiter, Sanjit De Silva as Florindo, Kevin Hastie 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.

assoc. prof., U. of Memphis, Tennessee. Room 311 McMillen Lab. 935-6530.

Friday, Sept. 22

9:15 a.m. Pediatric Grand Rounds. "Current Concepts in the Treatment of Attention Deficit Disorder in Children and Adolescents," Dennis P. Cantwell, Joseph Campbell Professor of Child Psychiatry, U. of California, Los Angeles. Clopton Aud., 4950 Children's Place. 454-2706.

Noon. Cell biology and physiology seminar. "Single Cell Assays of Exocytosis From Excitable Endocrine Cells," Stanley Misler, assoc. prof., depts. of Medicine and Cell Biology and Physiology. Room 426 McDonnell Medical Sciences Bldg.

4 p.m. Music lecture. "Whispers and Echoes," Claude Baker, composer-in-residence, St. Louis Symphony Orchestra. Room B-8 Blewett Hall. 935-5581.

Saturday, Sept. 23

9 a.m. Surgery lecture. "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. Clopton 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," Sain Speck, assoc. prof., Dept. of Medicine. Third Floor Aud., St. Louis Children's Hospital.

Tuesday, Sept. 26

Noon. Molecular microbiology seminar. "Computational Analysis of the *C. elegans* Genome," Sean Eddy, asst. prof., Dept. of Genetics. Room 775 McDonnell Medical Sciences Bldg. 362-7059.

3 p.m. Geometry seminar. "Lie Sphere Geometry II," Gary Jensen, prof. of mathematics. Room 199 Cupples II Hall.

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

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

Wednesday, Sept. 27

8 a.m. Obstetrics and Gynecology Grand Rounds. "OB/GYN Clinical Service Line," John Finan and Wayne Lerner, presidents, Barnes and Jewish hospitals. Clopton Aud., 4950 Children's Place.

11 a.m. Assembly Series lecture. "The Sixth Extinction," Richard Leakey, paleoanthropologist and author of "The Origin of Humankind." Graham Chapel.

4 p.m. Biochemistry and molecular biophysics seminar. "Structure and Stability of

a DNA-binding Protein From a Hyperthermophile," John W. Shriver, prof., Dept. of Chemistry and Biochemistry, Southern Illinois U., Carbondale. Erlanger Aud., McDonnell Medical Sciences Bldg.

7:30 p.m. Art lecture. Will Mentor, 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. Earth and planetary sciences colloquium. "Early Life," Harold L. Levin, prof., Dept. of Earth and Planetary Sciences. Room 362 McDonnell Hall. 935-5610.

4 p.m. Molecular oncology seminar. "Protein-protein Interactions Between Retroviral and Host Gene Products," 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. 362-9035.

Friday, Sept. 29

9:15 a.m. Pediatric Grand Rounds. "Understanding the Down Syndrome Brain: Recent Advances With Animal Models," David Holtzman, asst. prof. of neurology, Center for the Study of the Nervous System. Clopton Aud., 4950 Children's Place.

Noon. Cell biology and physiology seminar. "Sulfonylurea Receptors, ¹K_{ATP} and Familial Hyperinsulinism," Joseph Bryan, Dept. of Cell Biology, Baylor College of Medicine, Waco, Texas. Cell Biology Library, Room 426 McDonnell Medical Sciences Bldg. 362-6950.

4 p.m. Music lectures. Liszt Symposium. "The Origins of Liszt's 'Prometheus,'" Paul Bertagnolli, music student, and "Liszt the Conductor," Hugh Macdonald, Avis Blewett Professor of Musicology. Room B-8 Blewett Hall. Steinberg Hall Aud. 935-5581.



Music

Saturday, Sept. 30

7 p.m. Indian carnatic classical saxophone concert. Performers: Sri. Kadri Gopalnath, saxophone, Kumari A. Kanyakumari, violin, and Sri. Guruvayur Dorai, mridangam. Cost: \$10 for adults; and \$6 for senior citizens and students. Steinberg Hall Aud. 878-6119.



Performances

Saturday, Sept. 30

8 p.m. Edison Theatre "OVATIONS!" series. Maureen McGovern and the Duke Ellington Orchestra. Cost: \$100 for Section A; \$35 for Section B; and \$27 for Section C. (\$100 tickets include reception with 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. Francis Gymnasium, Athletic Complex. 935-6114.

1 p.m. Woman's Club High Tea. Guest speaker is Chancellor Mark S. Wrighton. Open to Woman's Club members, former members and their guests. Stix International House. Reservations required. Call Pat Owens at 966-4680.

Wednesday, Sept. 27

8 p.m. Poetry reading. Pattiann Rogers, author of "Firekeeper: New and Selected Poems" and "Splitting and Binding." Hurst Lounge, Room 201 Duncker Hall. 935-5190.

Friday, Sept. 29

8 a.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 Jane Lux at 286-1614.

4-6 p.m. Catholic Student Center open house. All members of faculty and administration interested in the Catholic intellectual tradition are invited. Catholic Student Cen-

ter, 6352 Forsyth Blvd. Call 725-3358 before Sept. 27 to confirm attendance.

4-7 p.m. Stanley Elkin memorial. A special memorial program will be presented for novelist Stanley Elkin, the Merle Kling Professor of Modern Letters. Steinberg Hall Aud. 935-5190.

Saturday, Sept. 30

8 p.m. Poetry reading. Carl Phillips, author of "Schooling the Body" and "In the Blood." West Campus Conference Center. 935-5400.



Special Events

The schedule for Homecoming 1995 follows. For more info., call 935-5994.

Thursday, Sept. 21

10 p.m. Thursday Night at the Rat. Featuring Karaoke and giveaways. The Umrathskeller.

Saturday, Sept. 23

4 p.m. Community Homecoming Picnic. Games, live entertainment and food. Women's Bldg. lawn.

Monday, Sept. 25

9 p.m. Study Break. Ted Drewes frozen custard and pizza at Millbrook Square Apartments. (At 10 p.m., a study break will be held in Ike's Place, Wohl Student Center.)

Tuesday, Sept. 26

7:45-9 a.m. Donuts in the Underpass.

11 a.m.-2 p.m. Tie-dye and Beat the Lynx Piñata. Bowles Plaza.

Wednesday, Sept. 27

11 a.m.-1 p.m. Pizza Tang and Ping-Pong Ball Drop. Bowles Plaza.

8-10 p.m. Coffeehouse in The Gargoyle. Mallinckrodt Center.

10:30 p.m. Root Beer Float Study Break. Wydown Multipurpose Room.

Thursday, Sept. 28

4 p.m. Wacky Olympics and Student Union Happy Hour. Includes a human foosball game and Velcro competition. Women's Bldg. lawn.

10 p.m. Thursday Night at the Rat — "Pretend We Are a State School." The Umrathskeller.

11:30 p.m.-1 a.m. Bear Country Jambo-ree — Square Dancing. Bowles Plaza.

Friday, Sept. 29

7:45-9 a.m. Donuts in the Underpass.

11 a.m.-3 p.m. Bear Fair. Featuring the Moon Bounce balloon, sundae-building, whirling Arbitron game and inflatable sumo wrestling suits. Olin Library lawn.

5 p.m. Float-building. Athletic Complex parking lot and lot of First Congregational Church of St. Louis, 6501 Wydown Blvd.

7:30 p.m. Men's soccer game. WU vs. New York U. Francis Field.

Saturday, Sept. 30

3 p.m. Homecoming parade. Starts at First Congregational Church of St. Louis.

5 p.m. Tailgate picnic. Athletic Complex parking lot.

7 p.m. Football game. WU vs. Rhodes College, Memphis, Tenn. Francis Field.

9 p.m.-1 a.m. Homecoming party. Bowles Plaza.

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 featured players, the fivesome composes and performs all music on the game/variety show, including the popular title song. Now in its fourth season, the geography/mystery show has attracted a viewership of 10 million people. Rockapella's album based on the show has sold more than 100,000 copies.

The Boston Globe described a recent Rockapella concert as upbeat, wholesome, 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 \$12 and are 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., if seating remains. An audio feed will be set up outside the chapel.

An hourlong 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-hunters Louis and Mary Leakey, has been at the forefront of the discovery of early human origins and African wildlife and nature conservation for the last 30 years. His visit to the University comes on the heels of the announcement of a major new discovery by the Hominid Gang — the fossil-hunting team led by Meave Leakey, Richard's wife. Her recent article in National Geographic magazine details the finding of a 4.1 million-year-old hominid jawbone — a significant find because, before this discovery, there was little evidence of hominids older than 3.6 million years. Meave took over leadership of the group in recent years, allowing for her husband's deepening involvement in wildlife conservation.

Richard Leakey's professional interest in the natural world began in the early 1960s, when he trapped primates for re-

search purposes. In 1968, he became administrative director of the National Museums of Kenya. He was promoted to chief executive in 1974 and, since 1989, has been the organization's chairman. He 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 Kenyan wildlife conservation.

Leakey recently launched an opposition political party to stem 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 same year.

His lecture is co-sponsored by the Assembly Series; the Department of Anthropology in Arts and Sciences; Lambda Alpha, the national honor society in anthropology; and Student Union. For more information, call 935-5297.

Sports

Compiled by Mike Wolf, director, and David Moessner, assoc. director, sports information.

Best start in 21 years for football Bears

Led by its turnover-forcing defense, Washington University knocked off previously ranked Illinois Wesleyan University 28-23 in Bloomington, Ill., on Saturday. The victory upped the Bears' record to 3-0 — their first 3-0 start since 1974. Washington picked off two Wesleyan passes and recovered three fumbles in building a 28-10 fourth-quarter lead. Sophomore wide receiver Vernon Butler caught a career-high six passes for 55 yards, including the eventual game-winning touchdown. The Bears are ranked 15th nationally in one Division III poll.

Current record: 3-0

This week: 7:30 p.m. Saturday, Sept. 23, at Trinity University, San Antonio

Volleyball Bears repel upset bid, take title

Surviving a five-game scare by sixth-ranked University of Wisconsin-Whitewater, the volleyball Bears earned the team title at last weekend's Washington University National Invitational. The Bears extended their NCAA-record home winning streak to 81 matches and their string against Division III foes to 73. All-America middle blocker Shelley Swan, the reigning Division III Player of the Week, continued her dominant play with a .454 hitting percentage and 64 kills. Swan was joined on the seven-player all-tournament team by fellow senior Nikki Gitlin and junior Emmy Sjogren.

Current record: 12-0

This week: Friday-Sunday, Sept. 22-24, University Athletic Association (UAA) Round Robin, New York

Unbeaten streak grows for men's soccer team

Outscoring its opposition by a combined score of 11-1, 12th-ranked Washington University registered three more victories last week, including a 3-0 shutout of Case Western Reserve University (Cleveland) in its UAA season opener. The win over Case Western extended the Bears' UAA unbeaten string to 12 games. Senior midfielder Matt Valentine tallied three assists and one goal for the

week, while junior Sean Fitzgerald rang up three goals.

Current record: 5-0-1 (1-0 UAA)

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

Women's soccer team moves to 3-3-1 record

Squaring its 1995 win-loss ledger at 3-3-1, the women's soccer team pummeled Principia College (Elsah, Ill.) and Case Western Reserve University last week. While both wins were by seemingly tame 2-0 scores, the Bears out-shot Principia 42-1 and Case Western 17-5. Freshman Lori Thomas continued her assault on the Bear record book by scoring both goals against Case Western. Sophomore Kate Weinrieb 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; Saturday-Sunday, Sept. 23-24, at DePauw Tournament, Greencastle, 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, spurred by a first-place showing by freshman sensation Emily Richard, had five of the top six runners through the chute. The men, paced by second-place senior Asa Flanigan, captured four of the top five places.

This week: 10 a.m. Saturday, Sept. 23, at Les Duke Midwestern Invitational, Grinnell, Iowa

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-Springfield (8-1) and Rockhurst College, Kansas City, Mo., (5-4).

Current record: 2-0

This week: 3:30 p.m. Tuesday, Sept. 19, at St. Louis University

Cutting-edge identification cards 'smart' alternative for students

The pioneering application of computer chips to student identification cards at Washington University may soon revolutionize the way students pay for books, pizzas, movies and other items on and off campus, say University officials who launched the cash-card system this semester.

"We're still in the early stages of implementing our system, but the technology we're using is something that isn't being done anywhere else in the United States," said University Registrar Stuart Yoak. "It's the technology of the future and one that Americans can expect to see very soon on their own credit and bank cards."

What sets the University's cash-card system apart from other so-called "smart" cards is the inclusion of an actual computer chip in the card. The chip allows the card to be programmed with a much more sophisticated range of information than most other cards, which usually rely on one or two simple magnetic strips for information encoding.

"You can call our card a 'chip card' because it actually has an 8,000-byte microprocessor chip imbedded in the front of the card," Yoak said. "The computer chip provides so much more memory that we are able to keep track of two separate financial accounts on each card."

The new cash cards also serve as students' identification cards and have their pictures on them.

National CacheCard Co., a national firm based in St. Louis, is coordinating the University's transition to a cash-card

system, a project that began last year at the suggestion of students. The company will maintain a database to track student expenditures and consolidate payments to vendors who accept the cards.

Each student identification card holds two different accounts. The first, InstaCache, which Yoak describes as a "coin purse," can be used for small purchases at all campus vending and laundry machines. This account does not require the use of a personal identification number (PIN) and is limited to \$50. The second account, SecureCache, is PIN-protected and will be used at "point-of-sale" locations to make larger purchases, such as buying books or paying tuition.

Students can add money into their "coin purses" by feeding \$1, \$5, \$10 or \$20 bills into cash-to-card machines located across campus, or funds can be transferred to the InstaCache account from the PIN-protected SecureCache account. New automated-teller machines will allow students to replenish chip card balances by transferring funds to the card from commercial bank accounts.

The new chip cards eventually will be used by students at off-campus stores, restaurants and theaters, in much the same way a person uses a bank or credit card. All transactions are forwarded to a client/server terminal on campus and then to the National CacheCard Co. data center, which tracks account balances and activity on a daily basis.

"This is a new technology for us, but not for Europe, where they have been using this chip technology on charge

... the technology we're 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.

cards and bank cards for some time now," Yoak said. "There also have been some recent press reports that suggest major credit card companies will soon begin using chips in their charge cards in the United States."

University officials reached agreement this summer with various campus vendors to install new soft drink and laundry machines that will accept the cash cards. Students carrying their IDs no longer will have to bum nickels for a Coke or run back to the dorm for a quarter to dry that last load of laundry.

"One bonus of this new technology for students is that the campus laundry vendor opted to pull out all of their old machines and install brand-new, state-of-the-art washers and dryers," Yoak said. "I'm sure returning students will be

pleased with the upgrade."

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, also are slated for upgrade to cash-card technology.

Yoak points out that the memory capabilities of the chip cards being introduced 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 students' health information or academic records.

— Gerry Everding

University House to be renovated

For the first time since its construction in 1912, University House will undergo necessary and significant improvements, including changes to the second floor, where Chancellor Mark S. Wrighton, Ph.D., will live.

While some minor improvements have been made in the last 80-plus years, the three-story dwelling at 6420 Forsyth Blvd. has not been modernized significantly. Essentially, the building has the original plumbing and wiring and has no central air conditioning above the first floor.

"It's almost exactly as it was in 1912," said Ralph H. Thaman Jr., director of the Department of Facilities Planning and Management. "It needs a lot of work 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.

Stephen F. Brauer, chairman of the Building and Grounds Committee, said two options were discussed by the committee — tear the building down or renovate it.

"It's a wonderful old building with great architectural detail," said Brauer, who also is head of the National Council of the Washington University School of Engineering and Applied Sciences. "It simply needs a total renovation, and I think it's preferable to renovate it rather than tear it down. We don't plan to add any square footage. It's simply going from the roof down and bringing it up to a decent standard."

Wrighton, who became the University's 14th chancellor on July 1, will be the first occupant of the house in about 25 years. Although Wrighton will live on the second floor, the first floor will continue to be used for events and programs hosted by the chancellor.

The second-floor master bedroom, which has an attached bathroom and office, will be completely redone, Thaman said. Two other second-floor bedrooms — joined in the middle by a bathroom — also will be renovated. In

addition, a second-floor kitchen, living room and sun room will be updated.

On the first floor, two bathrooms will be completely redone and turned into men and women's restrooms that are accessible to those with disabilities.

Another aspect of the renovation project is major roof and window repair, "so that we get the house good and tight," Thaman said. Rain water is damaging the building, and the window frames and sashes have deteriorated.

Only the first floor is equipped with central air conditioning. Renovation plans call for central air to be installed initially in the second floor and later expanded to the rest of the house. The plumbing and electrical wiring will be replaced as needed, Thaman said. All asbestos in University House has been removed, he said.

Thaman said the renovations should be completed by March. When Wrighton moves into University House at that time, it will be the first time a chancellor has occupied the dwelling since the early 1970s.

William H. Danforth, who served as chancellor from 1971-1995, lived in his personal home and primarily used University House to host events. The late Thomas Eliot, who served 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, commissioned the building of University House and Whittemore House as homes for his two daughters, Emma and Ida. Clinton and Emma Haarstick Whittemore lived in University House. Oscar and Ida Haarstick Herf lived in Whittemore House. Both homes were designed by James P. Jamieson, who was the architect for the University.

In 1958, the children of Emma and Clinton gave University House to the University. Ethan Shepley, who served as chancellor from 1954-1961, was the first chancellor to live in the house.

Mental health conference focuses on families

"Families' Experience With Severe Mental Illness" is the focus of a regional conference to be hosted Tuesday, 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 keynote address by Harriet Lefley, a top mental health researcher and a member of the Department of Psychiatry at the University of Miami.

Lefley will discuss research into the experiences of families who have a family member with a serious mental illness at 7 p.m. Tuesday, Sept. 26, in Brown Hall Lounge. Her presentation is titled "Twenty Years of Family Research and Practice."

Sponsored by the National Institute of Mental Health and the national Center for Mental Health Services, both of

which are U.S. Public Health Service agencies, the regional conference is a model program designed to foster interaction among mental health researchers, agency staff members and consumers of mental health services.

Each of the five states participating in the conference will send two teams composed of a key agency administrator or mental health provider; a consumer of agency services; and a family member who has a relative with a serious mental illness. During the conference, the teams will interact with nationally known mental health researchers.

"The conference is designed to enable participants to return to their local communities to implement programs 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.

Student inaugural gala set — from page 1

computer science. As of yet, the students have not received a response on the edible honor.

Although classes will not officially be cancelled on Oct. 6, which is a Friday, students and faculty are encouraged to attend the Inaugural Symposium and Installation Ceremony. Each faculty member may decide whether it is possible to reschedule classes. Cranor points out, however, that many students do not have classes on Fridays.

To motivate students to attend the Installation Ceremony after the festival, students have designed a special poster that features a caricature of Wrighton. "We want to entertain the students and keep them on campus. We want to motivate everyone to attend the ceremony," Cranor said.

The 8:30 p.m. inaugural gala will be "a classy event. We're recommending dressy attire," said Cranor, adding that

food and refreshments will be available. The local band Galaxy will play a variety of dance music. The students also are trying to organize a casino room, where everyone would play games. Individuals will be able to use play money to bid in a silent auction, which will feature prizes, including a dinner with Wrighton at the Whittemore House.

At 10 p.m., Wrighton will deliver a short speech, to be followed by a toast. Individuals will need their Washington University ID cards to attend the gala. Each member of the University community will be permitted to bring one guest.

The first 2,000 people attending the gala will receive free souvenirs — erasable memo boards with the Wrighton caricature. Students also are distributing inauguration buttons to students and others.

— Carolyn Sanford

For The Record

For The Record contains news about a wide variety of faculty, staff and student scholarly and professional activities.

Of note

Claire Baldwin, Ph.D., assistant professor of Germanic languages and literatures, received a Fulbright Junior Research Grant to support her study on Georg Lichtenberg at the Freie Universitaet Berlin. The grant runs from September 1995 to July 1996. ...

Dave Moessner, associate director of sports information, and **Mike Wolf**, director of sports information in the Office of Public Affairs, received six publication awards from the College Sports Information Directors of America (CoSIDA) for their work on media guides. The honored media guides were "Best in the Nation, Division C" nods for women's volleyball, men's basketball, women's basketball and men's soccer, and "Second in the Nation" honors for the women's soccer guide and the swimming and diving brochure. **Susan Kapp** served as publications editor for all six guides. In addition, CoSIDA presented Moessner with four writing awards. He received "Best in the Nation" honors in the coach/administrator profile and season preview categories and "Second in the Nation" in the personality profile division. His profile on head volleyball coach Teri Clemens was selected as CoSIDA's inaugural "National Story of the Year." ...

Egon Schwarz, Ph.D., Rosa May Distinguished University Professor Emeritus in the Humanities, received a prize for foreign scholars in the humanities from the Alexander von Humboldt Foundation. As a prize recipient, he will spend six months in Germany working on a book comparing the Austrian poets Rainer Maria Rilke and Hugo von Hofmannsthal. He will study in Germany from February to August 1996. ...

Gerhild Scholz Williams, Ph.D., professor of Germanic languages and literatures and comparative literature and associate provost, received a stipend from the Herzog August Bibliothek in Wolfenbuettel, Germany, for a residency as a Visiting Distinguished Scholar next fall. The stipend will support her new project, which focuses on 16th-century witchcraft, particularly the period immediately preceding the persecutions of 1480-1560.

Speaking of

During a conference of the International Society for the History, Philosophy and Social Studies of Biology in Leuven, Belgium, **Garland E. Allen**, Ph.D., professor of biology, was a co-organizer of a session that celebrated the 100th anniversary of Roux' Archiv, the first major journal in experimental embryology. The session also honored the 95th birthday of **Viktor Hamburger**, Ph.D., Edward Mallinckrodt Distinguished Professor Emeritus of biology, who wrote a paper that was read at the conference. The paper was titled "Wilhelm Roux, Visionary With a Blind Spot." In addition, Allen presented a paper on "Philosophical and

Methodological Problems With Genetic Theories of Human Behavior" at the conference. ...

Kathleen Clark, J.D., assistant professor of law, participated in the Symposium on Ethics and the Multijurisdictional Practice of Law in Houston. The South Texas Law Review sponsored the symposium. ...

At the 21st annual Natural Hazards Research and Applications Workshop in Boulder, Colo., **David F. Gillespie**, Ph.D., professor of social work, delivered a presentation titled "Cross-cutting Issues in Disaster Research." In addition, he was appointed to the United Way of Greater St. Louis' evaluation study group. ...

Thomas Head, Ph.D., assistant professor of history, served as a commentator on a panel titled "Relics and Devotion" at The Art of Devotion conference in Amsterdam, the Netherlands. During the Medieval Academy of America's annual meeting in Boston, he was a panelist at a session on "The Cult of Relics and Christian Memoria." He also was a panelist for the "Sanctity and the Crusades" session at the International Congress of Medieval Studies meeting in Kalamazoo, Mich. ...

Keith A. Hruska, M.D., Ira M. Lang Professor of Medicine, delivered a presentation on "Transformation of Mechanical Force Into Anabolic Biochemical Signals Through Increases in Ca Conductance" at the Experimental Biology '95 conference in Atlanta. In addition, he now serves as secretary to the American Physiological Society's renal section. ...

Timothy R. Jones, M.D., assistant professor of plastic surgery, presented a paper on "Free Colon Transfer for Relining the Oral Cavity" at the Conjoint Symposium on Contemporary Head and Neck Reconstruction in Chicago. ...

During the International Germanistik conference in Vancouver, Canada, **Paul Michael Lützel**, Ph.D., Rosa May Distinguished University Professor in the Humanities and director of the European Studies Program, chaired a series of sessions on the canon in German literature. He also delivered a lecture on exile literature. ...

Martha N. Ozawa, Ph.D., Bettie Bofinger Brown Professor of Social Policy, spoke on "The Effects of the Earned Income Tax Credit on AFDC (Aid to Families With Dependent Children) Families in New York and Texas" during the first National Conference of Social Work Researchers in Arlington, Va. In addition, she was named Distinguished Visiting Professor at the University of North Carolina. ...

Shanta Pandey, Ph.D., assistant professor of social work, moderated a session titled "Advanced Topics in Structural Equation Modeling" at the Council on Social Work Education's 1995 Quantitative Methods Symposium in San Diego. ...

Heikki Seppä, professor emeritus of art, conducted workshops in Inari, Finland; Penland, N.C.; and Peters Valley, N.J. In Finland, he conducted a workshop for Scandinavian silversmiths working in Lapland, northern Europe, above the

Arctic Circle. The workshop was sponsored by Lapland's Higher Vocational Education Council in Finland. The second workshop was sponsored by the Penland Center for Crafts. The Peters Valley Craft Center and School sponsored the third workshop for teachers and professionals in the metal arts field.

In the news

Kathleen F. Brickey, J.D., James Carr Professor of Criminal Jurisprudence, was quoted in a St. Louis Post-Dispatch article on the Supreme Court's decision in United States vs. Lopez. **D. Bruce La Pierre**, J.D., professor of law, also was quoted in the article.

On assignment

Deborah Paulsrud, project associate at the George Warren Brown School of Social Work, is a state board member of the Missouri Association of Home Based Services. In addition, she received the Community Service Award from Legal Services of Eastern Missouri for her work as chair of the Foster Care Subcommittee for the St. Louis Lawyers

Project on Homelessness and Inadequate Housing.

To press

Marilyn Friedman, Ph.D., associate professor of philosophy, co-edited a book titled "Feminism and Community," published by Temple University Press in Philadelphia. ...

The third revised edition of a book written by **Daniel B. Jones**, M.D., a resident in general surgery, and **Stephanie B. Jones**, M.D., chief resident in anesthesiology, was published by Mustang Publishing of Memphis, Tenn. The book is titled "Medical School Admissions: The Insider's Guide."

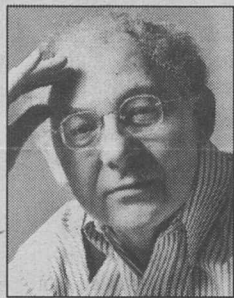
Guidelines for submitting copy:

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 Carolyn Sanford, Campus Box 1070, or p72245cs@wuvmd.wustl.edu. Items must not exceed 75 words. For information, call Sanford at 935-5293.

Memorial to be held for Stanley Elkin

The Department of English will hold a memorial for Stanley Elkin at 4 p.m. Sept. 29 in Steinberg Hall Auditorium. The public is invited to attend the memorial, which will be followed by a reception.

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 include readings by members and guests of the University community. They also will discuss Elkin's work and share their memories of him.



Stanley Elkin

Those participating will include K. Anis Ahmed, a student of Elkin's in the graduate writing program; William H. Gass, Ph.D., David May Distinguished University Professor in the Humanities and director of the International Writers

Center; W. Patrick Schuchard, associate professor of art, who painted the portrait of Elkin that hangs on the fourth level of Olin Library; and Benjamin Taylor, Ph.D., adjunct associate professor of English.

Helen Vendler, Ph.D., Arthur Kingsley Porter University Professor in the Harvard University Department of English, also will take part in the memorial.

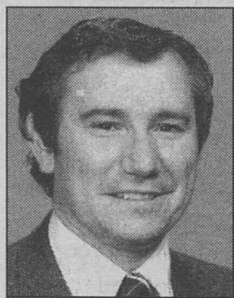
During his career, Elkin wrote 17 books — 10 novels and seven collections of shorter works. In 1982, he won the National Book Critics' Circle Award for "George Mills." He attended the University of Illinois at Urbana-Champaign, earning a bachelor's degree in English in 1952, a master's degree in 1953 and a doctorate in 1961.

Elkin came to Washington University as an English instructor in 1960. By 1969, he had attained the title of full professor. He became the Merle Kling Professor of Modern Letters in 1983.

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

Garganigo admitted to Uruguayan academy

John F. Garganigo, Ph.D., professor of Romance languages and literatures, has been admitted to the Academia Uruguaya De-Las-Letras (Uruguayan Academy of Letters). He is one of only four non-Uruguayans who have been admitted to the academy since its inception in 1993. He formally was admitted to the academy during a recent ceremony in Montevideo, the capital of Uruguay.



John F. Garganigo

While in Uruguay, Garganigo discussed the status of Uruguayan literature in the United States during national TV and radio interviews. He additionally discussed the topic with prospective Uruguayan students and young poets.

A member of the Department of Romance Languages and Literatures since 1964, Garganigo has conducted research on Uruguayan and Argentinean literature for 30 years. He was admitted to the academy because of his work on Gaucho literature and his interest in contemporary poetry from the South American countries.

During the ceremony, which was followed by a reception, Garganigo also delivered a lecture on "Eduardo Acevedo Diaz: Hacia El Sincretismo Literario"

(Eduardo Acevedo Diaz: Towards a Literary Syncretism).

Garganigo, who was born in Como, Italy, received a bachelor's degree in Spanish, cum laude, from Iona College in New Rochelle, N.Y., in 1959, a master's degree in Spanish from the University of Illinois at Urbana-Champaign in 1961, and a doctorate in Latin American literature from the University of Illinois in 1965.

Obituaries

Theodore Sanders, retired ophthalmology professor

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

Sanders, who directed an ophthalmic pathology laboratory at the School of Medicine, joined the school in 1936 as an assistant in ophthalmology. In 1953, he was named clinical associate professor of ophthalmology and visual sciences and held that title until 1974, when he earned emeritus rank. He received a medical degree from the University of Nebraska's medical school in 1933.

University fares well in survey — from page 1

widely used study, and there is a good representation of faculty strengths on both the Hilltop and Medical campuses," said Chancellor Mark S. Wrighton, Ph.D. "While we are known best in the areas of biology and biomedical sciences, it also is pleasing to see evidence of progress by doctoral programs in the humanities and social sciences.

"The NRC study shows that we must continue to make significant improvements at the University in all program areas. We can and will achieve greater effectiveness and stronger peer-level ratings," Wrighton added.

"NRC's research indicates that small doctoral programs rarely compete favorably with large ones in reputational surveys. Yet, as a midsize University with a number of smaller doctoral programs, Washington University did very

well when the size was factored in," Thach added.

NRC classifications of doctoral programs have different names than those used by many departments and divisions at Washington University and other universities, especially in the biological and geological sciences. The rankings reflect the work of the Washington University faculty across departmental lines, in some cases.

The report released by the NRC examines the quality of more than 3,600 doctoral programs in 41 fields at 274 leading universities in the United States. The study updates and expands on the NRC's original assessment of doctoral programs conducted in 1982. A survey of nearly 8,000 faculty at these leading universities provided peer assessments of the quality of doctoral faculty.

Opportunities & news

Hilltop Campus

The following is a list of positions available on the Hilltop Campus. Information regarding these and other positions may be obtained in the Office of Human Resources, Room 126 North Brookings Hall, or by calling 935-5990.

Deputized Police Officer 950226. *University Police.* Requirements: some college; 640 hours of approved academy training for certification; ability to meet police officer standards and training commission standards for certification as a peace officer in a first-class county in Missouri; ability to qualify for deputization as a police officer by the St. Louis County Police Department; valid Missouri driver's license.

Computer Specialist II 960040. *Department of Biology.* Requirements: certificate or associate's degree, bachelor's degree preferred; strong training and interpersonal skills; ability and willingness to do repairs and maintenance; ability to support diverse end-user group in academic environment and on hybrid platform; demonstrated ability to develop useful documentation and training seminars in word processing, e-mail, Internet offerings, etc.; ability to function effectively in unstructured, harried environment; ability to work independently; good judgment. Résumé required.

Publications Coordinator 960045. *Center for the Study of American Business.* Requirements: bachelor's degree; experience in editing and producing publications, publication design and layout. Résumé required.

Administrative Assistant 960046. *Board of Trustees.* Requirements: high school graduate with some college; excellent organizational and verbal skills; efficiency in word processing and data processing; computer skills; ability to use computer to increase office efficiency; ability to coordinate numerous details to prepare for an event; will-

ingness to work outside of office hours setting up meetings, events; skill in writing and proofing minutes; accuracy, even in routine things; willingness to assist on a variety of tasks; pleasant demeanor with fellow workers and external constituencies; five years secretarial experience. Résumé required.

Information System Manager 960047. *Arts and Sciences Computing Center.* Requirements: bachelor's degree in computer science and/or electrical engineering or equivalent; demonstrated problem-solving skills; attention to detail; solid understanding of Unix-based operating systems and Internet services; working knowledge of LAN and WANS and TCP/IP; experience providing support in a highly technical area and commitment to user support; excellent verbal and written communication skills. Application required.

Shared Services Payroll Manager 960050. *Accounting Services.* Requirements: three to five years of public accounting experience; working knowledge of Internal Revenue Service regulations as they pertain to payroll operations; payroll experience highly preferred; excellent interpersonal skills; a service-oriented communicator who is accessible; team player with the ability to forge relationships and bring groups together on difficult payroll issues; willingness to devote long hours to achieve University goals and objectives; an undergraduate degree in accounting or finance or equivalent and/or a certified public accountant; a master's degree in business administration is a plus. Résumé required.

Receptionist/Administrative Secretary 960053. *John M. Olin School of Business.* Schedule: part-time position (flexible hours), two days per week, plus up to two Saturdays per month. Requirements: high school graduate; strong interpersonal skills; strong verbal and written communication skills; willingness to work somewhat flexible work hours, as this is a job-share position. Application required.

Library Technical Assistant (Adaptive Cataloging) 960055. *Olin Li-*

brary. Schedule: flexible hours. Requirements: college degree or equivalent work experience; relevant experience or course work in librarianship; ability to work with foreign language preferred; ability to work with details in an organized and accurate manner; typing 35 wpm with accuracy; legible handwriting; physical stamina. Application required.

Personal Computer Lab Supervisor 960056. *John M. Olin School of Business.* Requirements: some college; good communication and organizational skills; service orientation. Application required.

Secretary 960057. *Environmental Program.* Requirements: high school education. This position provides all of the staff support for the Environmental Engineering Program. It offers an opportunity for a well-organized individual to interact with undergraduate and graduate students, faculty and staff in other departments, and to handle inquiries from potential new students. Application required.

Senior Associate 960059. *Center for the Application of Information Technology.* Requirements: bachelor's degree, advanced degree preferred; excellent presentation skills; teaching experience strongly preferred; substantial experience in developing and delivering educational and training programs; excellent verbal and written communication skills; experience and/or education in computing and information systems, networking and telecommunications. The senior associate is expected to perform with minimal professional guidance and to demonstrate substantial initiative in assigned responsibilities and in proposing new activities. Application required.

Associate Director 960060. *Engineering Admissions.* Requirements: bachelor's degree; outstanding interpersonal skills; outstanding verbal and written skills; outstanding ability to relate to high school and college students, their parents, high school teachers and counselors and college faculty;

outstanding abilities to plan, develop, organize and implement new concepts; some travel. Application required.

Assistant Director of Recruitment 960062. *Undergraduate Admission.* Requirements: bachelor's degree; ability to relate to prospective students and parents; enthusiasm for his/her undergraduate experience; demonstrated leadership ability; flexibility; strong organizational skills; self-motivation; ability to perform effectively in team and individual work settings with a "get-it-done" attitude; willingness to work long days and weekends; a high level of energy; strong dedication; a sense of humor. Application required.

Administrative Assistant 960063. *Administrative Offices.* Requirements: high school education; ability 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 literacy; proficiency with Microsoft Windows; three years office experience. Application required.

Program Coordinator 960064. *International Writers Center.* Requirements: bachelor's degree; familiarity with Microsoft Word, PageMaker, Filemaker Pro and Excel for Macintosh. Application required.

Analyst for Program and Finance Planning 960202-R. *Financial Planning.* Requirements: bachelor's degree in business or related field with three to four years related business experience, or master's degree in business administration or other advanced degree in related field and related work experience as a summer intern; experience with microcomputers; knowledge of QUATTRO PRO, Lotus, Focus and Microsoft Word preferred.

Medical Campus

The following is a partial list of positions available at the School of Medicine. Employees who are interested in submitting a transfer request should contact the Human Resources Department of the medical school at 362-4920 to request an application. External candidates may call 362-7195 for information regarding application procedures or

may submit a résumé to the Human Resources office located at 4480 Clayton Ave., Campus Box 8002, St. Louis, MO, 63110. Please note that the medical school does not disclose salary information for vacancies, and the office strongly discourages inquiries to departments other than Human Resources.

Preventive Maintenance Mechanic 950564-R. *Building Services.* Requirements: high school graduate or equivalent; experience with institutional maintenance and heating, ventilating and air conditioning preferred.

Energy Management Tech 950830-R. *Plant Maintenance.* Requirements: high school graduate or equivalent with three years related experience; institutional maintenance background preferred; experience with personal computers.

Clerk II 950971-R. *Metabolism.* Schedule: part time, 10 hours per week. Requirements: high school graduate or equivalent, some college preferred; experience with medical records; knowledge of medical terminology; typing 40 wpm.

Environmental Tech I 951088-R. *Environmental Safety.* Requirements: high school graduate or equivalent, some college preferred. Responsibilities include handling chemicals and infectious waste; familiarity with scientific/math calculations; background in chemistry or biology preferred.

Power Plant Supervisor 960012-R. *Facilities.* Requirements: high school graduate or equivalent with technical courses related to plant operations; familiarity with gas-fired boilers, steam generators and pollution control.

Medical Assistant 960097-R. *Ophthalmology.* Schedule: part time, 9 a.m.-3 p.m. Mondays, Wednesdays, Thursdays and Fridays. Requirements: high school graduate or equivalent with training and certification as a medical assistant; clinical experience and familiarity with personal computers preferred.

Security Officer 960113-R. *Security.* Requirements: high school graduate or equivalent, associate's degree preferred; two years experience as a security officer in a large institution or military police experience.

Supervisor, Insurance Billing and Collection 960121-R. *Washington University Shared Billing and Collection Services.* Requirements: high school graduate or equivalent, with five years related experience,

preferably in a medical insurance setting with supervisory duties.

Manager, Financial Operations 960166-R. *Facilities Business Office.* Requirements: bachelor's degree, master's degree preferred. Responsibilities include assisting business manager in managing the financial and support activities within the facilities department.

Audiovisual Technician 960174-R. *Library.* Requirements: high school graduate or equivalent; experience in audiovisual procedures and equipment; working knowledge of computers.

Secretary II 960184-R. *Risk Management.* Requirements: high school graduate or equivalent, some college preferred; two to three years office experience and knowledge of legal terminology preferred; typing 50 wpm.

Secretary II 960192-R. *Ophthalmology.* Requirements: high school graduate or equivalent, secretarial training or college course work preferred; two to three years office experience in a medical/academic setting; grant preparation experience highly preferred; typing 55 wpm.

Audiovisual Coordinator 960204-R. *Student Affairs.* Schedule: full time, including some evenings and weekends. Requirements: associate's degree with three years experience as an audiovisual technician. Duties include coordinating audiovisual presentations with seminar leaders.

Secretary II 960205-R. *Student Affairs.* Requirements: high school graduate or equivalent, some college preferred; one to three years related experience; personal computer and word processing experience; typing 50 wpm.

Nurse Specialist 960214-R. *Neurology.* Requirements: master's degree in nursing; three years clinical nursing experience, preferably in gerontological setting.

Clinical Lab Technician 960215-R. *Obstetrics and Gynecology.* Requirements: bachelor's degree in biology or related field; experience in tissue culture, chromosome identification and basic cytogenetic techniques.

Statistical Data Analyst 960216-R. *Ophthalmology.* Requirements: master's degree in biostatistics, Ph.D. preferred; training and experience in SAS programming; experience with large longitudinal datasets from multicenter studies preferred.

Automated traffic systems on horizon — from page 1

at ramp C. If that's done over all freeways, such as I-270, I-170, I-70 and I-55, you have the makings of a classic freeway-management system."

Beyond establishing the TIC, the ultimate goal of intelligent vehicle highway systems is to incorporate the driver into the management system. A route-guidance computer program can be installed in cars and eventually make radio helicopter traffic reports obsolete.

"Some day a commuter will get up in the morning and access a telephone or laptop computer. He'll find out how traffic is moving, and, by consulting the computer throughout his trip, he can get instructions to best achieve his destination," Haefner said. "The automation, which is supported by traffic-flow theory evaluation algorithms, can put the driver in the loop and also tell him when to get out of the loop to keep the flow under control."

In addition to directing the Transportation and Urban System Engineering Program, which offers master's degrees and doctorates in transportation engineering, Haefner also oversees the civil engineering department's International Program, which he began in 1991 with funding from the U.S. Department of Education. A component of the Department of Education's International Business Program, the University effort has been successful in placing civil and transportation engineers in international positions. There are 30 colleges and universities participating in the Department of Education's International Business Program.

Haefner has testified in congressional hearings and has worked with

many of the nation's top energy and transportation officials. He has consulted widely in the transportation field and is the author of "Introduction to Transportation Systems," published by CBS-Holt Rinehart College Publishers in 1986. In March, John Wiley Publishers, a major publisher of books on infrastructure, named Haefner international editor in chief of its Journal on Infrastructure, a quarterly publication, and also commissioned him as editor in chief of an international book series on infrastructure topics.

Intelligent Transportation Systems (ITS) are major components of a federal government program called the Intermodal Surface Transportation Efficiency Act (ISTEA). The ITS portion of ISTEA was funded in 1991 at a substantial \$880 million. That legislation will be rewritten in the fall of 1996. The rationale behind ITS is to limit construction and environmental and property rights damage caused by expanding highways and make more efficient use of existing highways and space limitations. The scenario calls for dramatic changes in how commuters use their cars as well as how government agencies, such as state departments of transportation, interact with citizens.

"We're at the very beginning of a promising multistage process that could take up to six years to get running," Haefner said of the Washington University/Missouri State Highway Department project. "But intelligent vehicle highway systems are going to be part of our lives very soon."

— Tony Fitzpatrick

Campus Watch

The following criminal incidents were reported to the University Police Department Sept. 11-17. Readers with information that could assist the investigation of these incidents are urged to call 935-5555. This release is provided as a public service to promote safety awareness on campus.

Sept. 12

11:20 a.m. — A staff member reported that between 8 a.m. Sept. 5 and 11:20 a.m. Sept. 12, a computer keyboard was stolen and two others were damaged in Mallinckrodt Center. The loss is estimated at \$100.

2:30 p.m. — A staff member reported that between 11 a.m. Sept. 11 and 1:30 p.m. Sept. 12, a VCR was stolen from an office in Givens Hall. The total value is estimated at \$250.

Sept. 13

11:05 a.m. — University Police arrested a Marriott Management Service employee who was wanted on an outstanding warrant from St. Louis County for alleged felony stealing. The arrest was made in Mallinckrodt Center. The employee was released to the custody of St. Louis County Justice Services.

Sept. 15

12:27 a.m. — University Police responded to a report of subjects throwing rocks at a light outside Olin Library. The subjects were not at the scene when police arrived. A light cover on a pole near the library was broken.

9:47 p.m. — University Police arrested a student for alleged possession of a controlled substance and possession of drug paraphernalia. The student was detained by security while attempting to enter W.I.L.D. in Brookings Quadrangle.

Sept. 16

1:30 a.m. — A student reported being assaulted near the fraternities by three visitors of a fraternity. The student decided not to pursue the matter, and the visitors left the campus without further incident.

University Police also responded to one report of a lost wallet; one report of stolen boots at the Athletic Complex; and one report of obscene telephone calls.

Follow-up

A license plate reported stolen from a South 40 parking lot on Sept. 3 has been recovered. St. Louis City Police notified University Police that a subject was arrested for alleged possession of the stolen plate.

A student reported that \$100 reported lost or stolen on Aug. 19 has been recovered.