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Sept. 20, 2002

Volume 27 No. 4

Washington University in St.Louis

Scientists learn how herpes tricks immune system

By DARRELL E. WARD

erpes viruses enter the body and hide away in cells, often reemerging later to cause illnesses such as shingles, genital herpes and cancer.

How these viruses evade the immune system remains poorly understood, but School of Medicine researchers discovered that a mouse herpes virus uses molecules that mimic a cell's proteins to help thwart an immune

The study, published in a recent issue of the journal Immunity, also suggests that a branch of the immune system known as the complement system may play a more important role in controlling herpes virus infections than previously thought.

'These findings reveal another molecular mechanism by which viruses evade the immune system," said study leader Herbert W. Virgin, M.D., Ph.D., professor of pathology and immunology and of molecular microbiology. "By targeting this viral protein or by manipulating the complement system, perhaps someday we can develop better treatments for herpes virus infections."

The complement system consists of about 20 different proteins that are transported in the bloodstream. When activated by certain disease-causing organisms, the



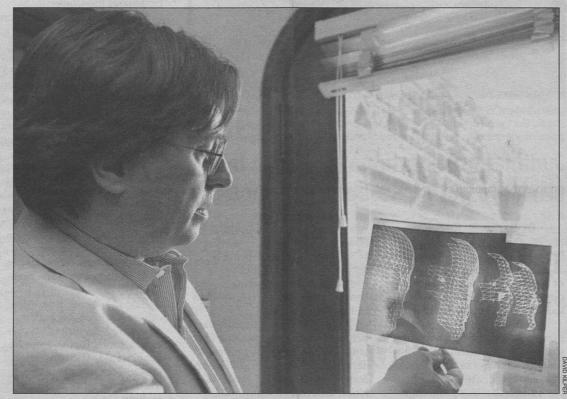
proteins unite and collect on viruses or on the membranes of virus-infected cells and kill them by punching holes in the membranes.

To help prevent the inadvertent and

dangerous triggering of this complement reaction, healthy cells produce molecules known as regulators of complement activation (RCA).

Virgin's team found that one type of herpes virus makes its own version of RCA to trick the

See Herpes, Page 6



Steven G. Krantz, Ph.D., professor and chair of mathematics in Arts & Sciences, observes a mathematical grid of a human face taken by an innovative 3-D scanner. He applies wavelet analysis to the grid to help plastic surgeons create the "perfect 10."

The mathematics of beauty

Researchers collaborate to make plastic surgery more precise

By Tony Fitzpatrick

eauty may well be in the eye of the beholder. But in the future, it could be in the realm of mathematics.

Steven G. Krantz, Ph.D., professor and chair of mathematics in Arts & Sciences, is working with collaborators on the West Coat to create a system that will make the practice of reconstructive sur-

The system consists of a new type of threedimensional scanner and sophisticated graphics software that uses wavelets to analyze a face, recommend procedures, assess the difficulty of those procedures and evaluate the outcome of

Wavelet analysis is a sophisticated kind of harmonic analysis that is integral in examining and compressing data - video, sound or photographic, for instance — for a wide range of applications.

Krantz is working on the software package. Thomas Lu, Ph.D., an electrical engineer from Petaluma, Calif., developed the scanner. Michael

Cedars, M.D., a plastic surgeon from Berkeley, Calif., is the philosophical guiding light of the project and is going to implement the system with

The system is not intended to replace plastic surgeons; rather, its purpose is to aid the plastic surgeon in making more precise evaluations and procedures in performing plastic surgery. It will help him or her see problems in new ways and to more accurately predict outcomes.

Did Cleopatra?

Plastic surgery has been practiced since the days of ancient Egypt, some 2,500 years ago. Many strides have been made in the field since the end of World War II and especially in the past

For instance, it's now possible for plastic surgeons to perform a procedure to change the distance between your eyes.

In spite of this sophistication, the plastic surgeon essentially relies on his or her wits when per-

See Mathematics, Page 6

O'Sullivan new chair of Faculty **Senate Council**

By KEVIN M. KILEY

oseph A. O'Sullivan, Ph.D., professor of electrical engineering, has been elected chair of the Faculty Senate and the Faculty Senate Council for this academic year.

"It's an honor to be in a position to serve the faculty and give something back to the University," said O'Sullivan, who also is a professor of biomedical engineering in the School of Engineering & Applied Science and an associate professor of radiology in the School of Medicine.

The Faculty Senate Council brings together 15 representatives from the University's eight schools. The council serves as liaison between the administration and the faculty on a broad range of issues touching virtually all aspects of campus life.

The Faculty Senate is comprised of all faculty members.

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JOSEPH A.

O'SULLIVAN

"We are concerned in particular with the issues that affect academic freedom and tenure," O'Sullivan said. "We provide feedback to the administration on various matters that affect faculty, such as benefits."

As chair of the Faculty Senate and the Faculty Senate Council, O'Sullivan represents the fac-

ulty on the University Council, the University Management Team and the Sesquicentennial Commission. In addition, O'Sullivan and the council's secretary, William E. Buhro, Ph.D., professor of chemistry in Arts & Sciences, are the two faculty representatives to the Board of Trustees.

O'Sullivan succeeds Philip E. See O'Sullivan, Page 6

Scrumptious scallops

Chef wins national award for recipe

By NEIL SCHOENHERR

When Marc Foley, executive sous-chef with Bon Appétit, entered the Culinary Challenge recipe contest sponsored by the National Association of College and University Food Services, his only instructions were that the recipe had to be original and had to use scallops.

Foley's concoction, "Seared Sea Scallops With Vegetable Couscous and Tomatillo Gazpacho," earned him first place in the nationwide competition.

"I'm excited," Foley said. "I was kind of surprised, but it's nice to be recognized

Foley, originally from Nantucket, Mass.,

University's food ranked best in country. Page 6

has been with the University and Bon Appétit since August 2000. He has 15 years of culinary experience working in restaurants throughout the St. Louis metropolitan area, including Zhivago's, serving Russian cuisine; the Cheshire Inn; and Portabella's.

He has also worked in Miami, for Norman Van Aken's Stars and Stripes restaurant, and at the Raleigh Hotel on South Beach.

"Marc is creative, talented and a real team player," said Steve Hoffner, assistant vice chancellor for students and director of operations. "It's obvious that he enjoys what

See Recipe, Page 6



Marc Foley displays his first-prize award from the Culinary Challenge recipe contest, which was sponsored by the National **Association** of College and University Food Services.

Treiman named to Baker chair

ebecca Treiman, Ph.D., a leading scholar of cognitive and linguistic processes influencing how children learn to read, write and spell, has been named as the inaugural holder of the Burke & Elizabeth High Baker Professorship in Child Developmental Psychology in Arts & Sciences, announced Edward S. Macias, Ph.D., executive vice chancellor and dean of Arts & Sciences.

Treiman will be formally installed in an Oct. 14 ceremony.

The Burke & Elizabeth High Baker Professorship in Child Developmental Psychology was established as the result of a generous gift from Elizabeth High Baker, a 1940 University alumna and a longtime benefactor of Arts & Sciences.

She and her husband, Burke Baker Jr., who is now deceased, shared a lifelong interest in making children's lives better. She established the professorship in order to perpetuate that interest.

"The Bakers' desire to improve children's lives is a noble one, and is well-served by the work being done here at Washington University," Chancellor Mark S. Wrighton said. "We are enormously grateful to Mrs. Baker for helping us work toward this important goal and cannot thank her enough for her trust in and support of Washington University."

Treiman's research deals with



Treiman

the basic cognitive and linguistic processes that are involved in learning to read and write. She has examined such topics as the linguistic bases of spelling errors in nor-

mal and dyslexic children, and the development of phonological

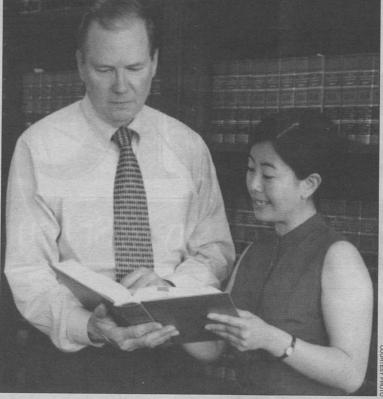
She is particularly interested in how children learn to connect print and speech and the problems that they sometimes encounter in doing so.

She joined the Arts & Sciences faculty this year having previously held faculty positions at Indiana University and at Wayne State University, as well as visiting positions at the Medical Research Applied Psychology Unit in England and at the University of Queensland in Australia.

"I am delighted that Rebecca Treiman has joined the faculty of Arts & Sciences," Macias said. "She is an internationally known scholar in the field of child developmental psychology, and she will add considerable strength to our department.

"Mrs. Baker's generosity has made it possible for us to attract Professor Treiman to this important position in our Department

See Treiman, Page 5



Law student Yi Sun works with U.S. Bankruptcy Court Judge James Barta. Sun was one of 13 participants an observational program that pairs students with a judge for four-to-six weeks in the summer.

Judicial observational program lets students get close-up experiences

By Jessica N. Roberts

This summer, the School of Law offered its international master of law (LL.M.) students an opportunity to gain a close-up look at the U.S. judicial system.

An observational program, now in its fourth year, pairs these students with a federal judge for four-to-six weeks in the summer after they graduate.

"I think that this program is the capstone of our international LL.M. program and not only is a wonderful educational experience for foreign attorneys but also is important for the U.S.," said Michelle Shoresman, Ph.D., assistant dean for graduate and joint-degree programs and director of the international LL.M. program.

"The U.S. exports some of its worst culture — its worst television programs and its worst movies — and this is disseminated to millions of people. But the best of what our culture has to offer — the rule of law and an independent judiciary — can only be disseminated one by one. The international students with whom our local judiciary works one on one are the change agents for their countries."

Among the students' activities are writing memorandums and orders for the judge, viewing pretrial motions and witnessing jury selection and sentencing. The goal of the observational program is to gain a deeper understanding of what was learned in the classroom and to develop practical skills that can be used when they return to practice law in their home countries.

"These students are the young leaders who will be on the forefront fighting for the rule of law in their home countries and creating an independent judiciary where none currently exists," Shoresman said. "We know that U.S. security and well-being is very much tied to that of other countries and that making these concepts a reality are critical steps in that direction."

This summer, 13 students participated in the program, working with U.S. District Court judges Terry I. Adelman, Gerald B. Cohn, Jean C. Hamilton and David D. Noce; U.S. Circuit Court judges Joan M. Burger, Patricia L. Cohen and Timothy J. Wilson; and U.S. Bankruptcy Court Judge James Barta.

Shoresman recently was appointed to the academic committee that will work with the U.S. Judicial Conference's Committee on International Judicial Relations Taskforce on Education to help develop and promote judicial observation programs for international students at other law schools around the country.

The law school's international LL.M. program allows practicing attorneys or recent law school graduates from outside the United States to gain practical and theoretical knowledge of U.S. and international law, develop expertise in a specialized field of law, strengthen their ability to advocate for clients who have business dealings in the United States or with U.S. companies and firms, improve their representation of U.S. clients who want to conduct business in their countries, build an international network of professional contacts and refine their English skills and understanding of U.S. culture.

Supercomputing on display Sept. 25

The University community is invited to an inauguration ceremony and tour of the Center for Scientific Parallel Computing on Sept. 25.

The event begins with remarks from 2-3 p.m. in Crow Hall, Room 204. A tour will start at 3 p.m. in the center's new location, the former Hilltop Campus Power Plant.

Beverly Berger, representing the National Science Foundation, which helped fund the center, will speak, as well as some of the key users of the center's two supercomputers.

The center's supercomputers are available to research groups throughout the University. A next-generation supercomputer will be delivered next summer. The new machine will boost the University into the top 10 of U.S. universities in terms of number-crunching power.

For more information on the center or event, call 935-5289.

University moves to 12th-place tie in *U.S. News* undergrad rankings

By NEIL SCHOENHERR

Washington University is now tied with the University of Chicago for 12th place in undergraduate programs, according to U.S. News & World Report magazine.

Consistently ranked among America's 20 best national universities, Washington University climbed two notches from last year's tie for 14th among the 249 national universities rated by U.S. News. The tie for 12th is the best undergraduate ranking of the University by U.S. News since the publication began its rankings in the 1980s.

The U.S. News & World
Report undergraduate rankings
are derived from data gathered
from each institution. This data
is broken down into categories
and assigned a weight reflecting
the magazine's judgment about
which measures of quality matter most.

This year's results, published in the magazine's Sept. 23 issue that went on sale Sept. 16, rank the University as third in financial resources, 11th in faculty resources and seventh in alumni giving. The University tied for 12th in percentage (70 percent) of classes with less than 20 students.

The U.S. News "Best Value" category ranks schools that offer a high-quality education at an affordable cost, including financial aid. The University ranked 16th in total value, which is the same as last year's ranking

"It is gratifying to see recognition coming to Washington University," Chancellor Mark S. Wrighton said. "Our success is

due to the excellent students, faculty and staff who bring great value to the educational environment here. We have been generously supported by our alumni, friends, corporations and foundations in our efforts to create the best programs for education and scholarship. Continued program development and support will enhance our impact and value to society."

The Olin School of Business was tied for 14th, an increase from 16th a year ago. The Olin School tied with three other undergraduate business programs: Ohio State University, Purdue University and the University of Minnesota.

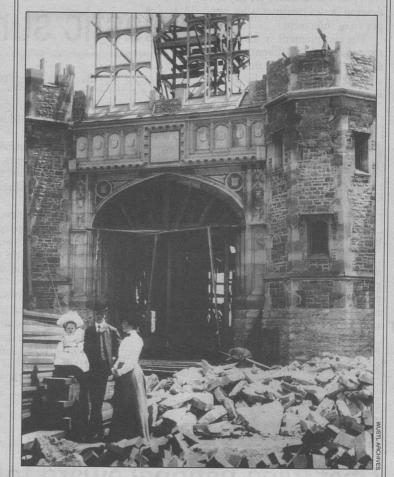
"Our graduates from the bachelor of science in business administration program delight their employers with the level of their capability and training," said Stuart I. Greenbaum, Ph.D., dean of the Olin School. "It is truly a cutting-edge program, offering a range of choices unavailable in most undergraduate programs. We recently introduced a new major in managerial economics and strategy, which is groundbreaking for an undergraduate business program."

The School of Engineering & Applied Science was ranked 44th

ed 44th.

The newsstand book, *America's Best Colleges*, which contains the *U.S. News* college rankings, will go on sale Sept. 16. Most of the rankings and some of the articles from the book will be in the Sept. 23 issue of the magazine.

≈ PICTURING OUR PAST 🕿



Brookings Hall is named for Robert S. Brookings. Completed in 1902, Brookings Hall was leased by the University to be the administrative center for the 1904 World's Fair and today serves as the administrative center of the University. Robert S. Brookings was born in 1850 and later came to St. Louis to work for Cupples & Marston, a woodenware and willowware wholesale business. He and his brother were eventually made equal partners in the business, and Robert took upon himself the responsibility of moving the University to its current location. His gifts to the University in his lifetime are usually estimated at \$5 million. Brookings also was the founder of the Brookings

Washington University will be celebrating its 150th anniversary in 2003-04.

Special programs and events will be announced as the yearlong observance approaches.

Institution in Washington, D.C., and served as chairman of the

University's Board of Trustees from 1895-1928.

Record Vashington University community new

Washington University community news

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Washington University in St. Louis

Does brain artery bypass prevents future strokes?

By GILA Z. RECKESS

The School of Medicine is leading a multicenter effort to see whether brain artery bypass surgery prevents people from having a second stroke.

The medical school team received a five-year, \$17 million grant from the National Institute of Neurological Disorders and Stroke and now is looking for volunteers to participate.

Each year, about 80,000 Americans develop complete blockage of one of the carotid arteries, the main blood vessels on each side of the neck that supply the brain with blood, resulting in either a stroke or a transient ischemic attack (a milder form of stroke).

A team headed by William J. Powers, M.D., professor of neurology and neurological surgery and of radiology, and Robert L. Grubb Jr., M.D., the Herbert Lourie Professor of Neurological Surgery and professor of radiology, has been studying the best way to treat these patients to prevent another stroke.

They discovered that some people develop their own natural bypasses, with smaller vessels taking over for the clogged carotid.

The team found that pictures of blood flow and oxygen use in the brain taken by positron emission tomography (PET) can identify those who already have developed a natural bypass.

In 1998, the team published an article in the Journal of the American Medical Association, which showed that only about 5 percent of people who developed a natural bypass had a stroke on the same side of the brain within two years, compared with more than 26 percent of people who did not develop a natural bypass.

"At the moment, these people do really badly even with the best medical treatments available," Powers said. "We believe this trial is an opportunity to explore a promising alternative."

Brain artery bypass surgery was developed and tested in the 1970s in patients with completely blocked carotid arteries. It was abandoned in the mid-1980s

because research showed that the surgery did not always prevent future strokes, and the risks of surgery outweighed the benefits. However, it was performed on all patients at that time, whether they had developed a natural bypass or not.

"Since brain surgery always has potential complications, operating on people who did not need the surgery may have clouded results from early studies," Powers said.

By performing this surgery only on people who have not already developed a bypass on their own, the team will determine if the procedure's results will be more successful than the original findings in the '80s.

Individuals with carotid artery blockage who have had a stroke or a transient ischemic attack within the last four months may be eligible for the study.

Researchers will perform free PET brain scans of all participants. Half of the participants whose PET scans show that they have not developed a natural bypass will be randomly assigned to undergo free brain artery bypass surgery. All participants will continue medical treatment under the supervision of their primary care physician.

Powers is the principal investigator of the trial, which includes 29 institutions from the United States and Canada. He and Grubb direct the clinical coordinating center for the multicenter trial, which is located at the medical school.

Colin P. Derdeyn, M.D., associate professor of radiology, Ralph G. Dacey Jr., M.D., the Edith R. and Henry G. Schwartz Professor and chairman of the Department of Neurological Surgery, and Michael R. Chicoine, M.D., associate professor of neurological surgery, will care for patients who enroll in the study.

For more information, contact Susanne Fritsch at 362-3466.

Maximizing medicine

Physicians, students rave about Mini-Medical School

By Kimberly Leydig

Are you addicted to ER? Do you still regret never taking that anatomy class in college? Maybe maintaining good health is one of your top priorities.

Whatever the case may be, everyone from stay-at-home moms to top executives rave about the University's Mini-Medical School Program.

That might be because many of the School of Medicine's worldrenowned physicians teach the courses, which cover everything from how to treat nagging sports injuries to new treatments for mental illness. Students also tour facilities such as the Genome Sequencing Center and participate in hands-on laboratories.

Cynthia Wichelman, M.D., assistant professor of medicine and Mini-Medical School course director, said that the students are always a "pleasure to teach, with their varied backgrounds and keen interest in medicine."

After students requested another course, Mini-Medical School III was introduced last fall. In the advanced course, students learn from medical experts — and their

patients — in compelling presentations on several fascinating diseases.

Each of the three courses, which are limited to 110 students, consists of eight two-hour evening sessions that cover a wide spectrum of medicine presented in an easy-to-understand style.

"Without exception, the subject matter and the speakers were as good as I have heard in many years of study," said former student and engineer Tim Giddens. "The topics were presented in a way a layperson could understand and apply the knowledge."

But it's not just aspiring students that benefit from the program.

Teaching Mini-Medical School, said Stephen S. Lefrak, M.D., professor of medicine and dean and director of the Program for Humanities in Medicine, is in some ways like all teaching: The teacher benefits more than the students.

"It helps me clarify what the important issues really are in medical ethics before the public," Lefrak said. "The questions from the attendees provide a focus that is frequently different than that

from health care professionals. It is illuminating to hear from young people, lawyers, business executives and others who have creative ideas, new perspectives and whose voices are unfortunately frequently missing from 'medical' discussions."

"It is very interesting to discuss developing medical treatments with such a diverse group of people," added Ralph G. Dacey Jr., M.D., the Edith R. and Henry G. Schwartz professor and chairman of neurological surgery.

Wichelman stressed that the medical school's exceptional faculty is why the program is such a continuing success. "If it wasn't for the faculty, Mini-Med School wouldn't be what it is today. I am most grateful to our outstanding faculty — they support the program and return year after year."



Lasting lesson At the Gateway to a Cure 2002 Resource Fair, third-year occupational therapy student Darci Redmond gets a lesson from Zach Prosser of Chesterfield, Mo., on how remote control cars can improve hand-eye coordination for people with disabilities. The Sept. 7 event, held at the Rehabilitation Institute of St. Louis, featured products, companies, services and programs to enhance the lives of those with special needs.

Gray named associate dean for faculty affairs

By Kimberly Leydig

professor of obstetrics and gynecology and of radiology, has been named associate dean for faculty affairs in the School of Medicine.

"We are most pleased that Diana Gray has accepted this position. Her background and communication skills will be an incredible asset to this office," said William A. Peck, M.D., executive vice chancellor for medical affairs and dean of the medical school. Peck announced Gray's appointment last month.

In her new position, Gray will work with department heads and faculty to achieve a consistent, supportive working environment by collaborating with department heads to achieve seamless communication between administration and faculty.

"I'm working toward a genderneutral environment and striving to increase gender and ethnic diversity at all levels," she said.

She also added that she'll work with department heads to assure equitable compensation and promotion policies to sustain outstanding researchers, clinicians and teachers.

"I'm eagerly anticipating the

challenges and rewards my new position will bring," she said, "I look forward to working closely with faculty, department heads and division chiefs to enhance quality of life and productivity for all faculty."

By overseeing annual reviews, Gray will ensure that junior faculty receive the appropriate men-

toring that is essential for long-term professional development.

The posi-

The position also includes maintaining and distributing policies to faculty and representations.

senting the medical school at committees and conferences relevant to faculty policies and development. In addition, she oversees orientation events for new faculty members and initiates forums on faculty development.

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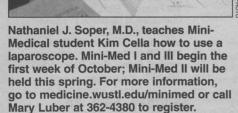
Gray has been an elected faculty representative to the medical school's Faculty Practice Plan Board of Directors since its inception. She is co-master of the Cori Society and an appointed member of the Governor's Genetic Disease Advisory Committee for

the State of Missouri.

Since its inception, Gray has been active in the Academic Women's Network, serving on the board of directors and as president in 1999. She also was the former division director of genetics and ultrasound in the ob/gyn department and director of prenatal genetic services for Barnes-Jewish Hospital.

Gray earned a bachelor's degree in 1977 and her medical degree in 1981, both from the University of Illinois. After completing a residency in obstetrics and gynecology and fellowships in OB/GYN ultrasound and in medical genetics at the medical school, Barnes-Jewish and St. Louis Children's hospitals, she continued in the department as an instructor. She later received a joint appointment in radiology in 1990. She is also a diplomate of both the American Board of Obstetrics and Gynecology and the American Board of Medical

"The past 20 years of career association with the medical school, and the time devoted to departmental administrative, faculty leadership and advocacy roles provide a strong foundation for my new position," Gray said.



Nominations sought for awards

t's time to reward dedicated co-workers for their outstanding job performance.

The **Dean's Distinguished Service Award** continues to be the highest honor awarded to a staff member while the new awards — **Research Support, Operations Staff** and **Clinical Care** — help to further identify staff efforts within defined job classifications.

All awards include generous cash prizes and personalized recognition in the *Record* and at the Senior Administrators Lunch. For detailed information and nomination forms, log onto aladdin.wustl.edu/jobs.nsf or check the posters, which are distributed throughout the School of Medicine.

Nominate fellow staff members before Oct. 31.

Vo-Du Macbeth opens 30th Edison Theatre OVATIONS! Series

By LIAM OTTEN

The 30th annual Edison
Theatre OVATIONS! Series
will open Sept. 28-29 with
Vo-Du Macbeth, a Creole-flavored
take on Shakespeare's classic tale,
inspired by Orson Welles' famed
1936 adaptation.

A rare Edison Theatre co-commission, this work-in-progress is created and produced by the National Spirit Project, a coalition of 35 arts organizations from around the country. St. Louis performances will mark the Midwest premiere of the theatrical and musical components and will serve as a launching point for the production.

Shows begin at 8 p.m. Sept. 28 and 2 p.m. Sept. 29.

Performances are co-sponsored by the University's American Culture Studies program with support from the Department of Music and the Performing Arts Department, all in Arts & Sciences.

Welles' Voodoo Macbeth — his New York debut — set the famous story of power, manipulation and betrayal in Haiti during the rise of rebel slave leader Toussaint L'Overture, amidst African costumes, drumming and dance. Created in collaboration Vo-Du Macbeth



Who: Edison Theatre's OVATIONS!

What: A Creole-flavored take on the Shakespeare classic

When: Sept. 28-29

Tickets: \$27; available at the Edison Theatre Box Office and through all MetroTix outlets.

For more information, call 935-6543.

with The Negro Ensemble Unit of the WPA Federal Theater Project, the show played to packed houses for three months before commencing an influential national tour. It is considered today a landmark of Harlem Renaissance theater.

Vo-Du Macbeth retains Welles' basic conception of Macbeth-as-choreo-drama but unfolds the action in New Orleans at the close of the Civil War, among the Gens de Coulour Libre, or Free People of Color

Descended from slaves who had bought their freedom; from the children of slave women and white fathers and from Haitian and later Cuban immigrants, the Free People of Color contributed

to a social system in colonial and antebellum Louisiana that defied standard U.S. racial codes and categorizations, amassing millions of dollars in property and carving out their own traditions, professions and distinguished families

Yet such distinctions would begin to fade after the war. The elimination of slavery itself undermined their unique status, especially as whites in the former Confederacy attempted to strip all African-Americans of the rights and opportunities of citizenship.

Mespero (the Macbeth character), a rash and ambitious man, plots with his lady to preserve the status quo by aligning himself with the Confederacy against

many of his Union-supporting kinsmen. He calls upon ancient powers — a decision that angers the old African gods.

His rise and fall play out against a backdrop of Diaspora culture, from the opening Blessing of the Drums and prophetic *mambo*, or voodoo priestess, to the closing chorus of healing songs for Hecate, Mother of the Waters.

Stops along the way include an old-time masquerade ball; traditional Calinda, Bamboula and Jubu dancing; and the boisterous drumming of a New Year's Eve Junkanoo.

Slated for a 2003 world premiere, Vo-Du Macbeth is the brainchild of artistic director Lenwood Sloan, an award-winning dancer, director and choreographer whose previous works include Ethnic Notions, an American Heritage Christmas and Street. Renowned jazz clarinetist and composer Alvin Batiste and sound innovation artist Bill Turley are developing the score, vocals and choral speaking parts.

Dance legends Chuck Davis and Donald McKayle are designing the choreography.

MacArthur "genius award"winner John Scott assembled a design team that features Steve Prince from Hampton University, Reggie Ray of Howard University, multimedia artist Philip Mallory Jones, and Atlanta lighting designer Christian Epps.

The show is being developed through a national series of community residencies with actors, musicians, scholars and the general public. St. Louis artists participating include Denise Thimes as Hecate and Linda Kennedy as the Mambo.

Additional support is provided by the Missouri Arts Council, a state agency; the Regional Arts Commission, St. Louis; and The Heartland Arts Fund. The Heartland Arts Fund is a collaborative venture of Arts Midwest; Mid-America Arts Alliance; their member state arts agencies (Arkansas, Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, Oklahoma, South Dakota, Texas and Wisconsin) with primary funding from the National Endowment for the Arts; and support from private contributors.

Tickets are \$27 and are available at the Edison Theatre Box Office and through all MetroTix outlets. For more information, call 935-6543.

The Biggest Bangs • As Time Glows By • Voyages and Fantasies

"University Events" lists a portion of the activities taking place at Washington University Sept. 20-Oct. 3. Visit the Web for expanded calendars for the Hilltop Campus (www.wustl.edu/calendar) and the School of Medicine (medschool.wustl.edu/calendars.html).

Exhibitions

The Book of Roofs, #0001: Tracajá. Josely Carvalho. Photolitho-and-mixed-media prints. Sept. 13-Oct. 27. Des Lee Gallery, 1627 Washington Ave. 621-8537.

Targets. Christian Jankowski, video artist. Through Dec. 8. Gallery of Art. 935-4523.

H.W. Janson and the Legacy of Modern Art at Washington University in St. Louis. Exhibition from the University collection. Through Dec. 8. Gallery of Art. 025.4522

"Research Ethics." Ronald Munson, prof.

St. Louis. Clopton Aud., 4950 Children's

and chair of philosophy. U. of Mo.

11 a.m. Chemistry lecture. Joseph W.

Lectures

Friday, Sept. 20

Place. 454-6006.

Control of Molecular Dynamics: An Overview." Stuart A. Rice, Frank P. Hixon Distinguished Service Professor in chemistry, U. of Chicago. McMillen Lab, Rm. 311. 935-6530.

Kennedy Memorial Lecture. "Optical

Noon. Cell Biology & Physiology seminar. "Rab GTPases and Regulation of Membrane Trafficking in Plants." Erik Nielsen, adjunct prof. of biology. McDonnell Medical Sciences Bldg, Rm. 426. 747-4233.

2 p.m. Lifetime Learning Institute Fall Address. "Plant Sciences Research and Biotechnology in St. Louis: Are We Ready for the Opportunities and the Challenges?" Roger N. Beachy, president, Donald Danforth Plant Science Center. Steinberg Aud., Steinberg Hall. 935-6727.

4 p.m. Russian lecture. "Pushkin: A European Romantic in the Russia of Nicholas I." Boris Gasparov, prof. of Slavic languages, Columbia U. Women's Building Formal Lounge. 935-5177.

6 p.m. WUSTL Libraries lecture.
"Celebrating the Henry Hampton
Collection." Julian Bond, NAACP chairman. Graham Chapel. 935-6154.

7:30 p.m. St. Louis Astronomical Society lecture. "The Biggest Bangs." Jonathan Katz, prof. of physics. Sponsored by NASA's Missouri Space Grant Consortium. McDonnell Hall, Rm. 162. 935-4614

Saturday, Sept. 21 8 a.m.-1 p.m. Continuing Medical Education course. "Annual St. Louis Critical Care Update." Cost: \$25. St. Louis Science Center, Exploradome Exhibition Gallery. To register: 362-6891.

Monday, Sept. 23

Noon. Molecular Biology and Pharmacology seminar. "As Time Glows By: Period Determination in the Mammalian Circadian System." Erik Herzog, asst. prof. of biology. South Building, Philip Needleman Library. 362-0183.

Noon-1 p.m. Work, Families, and Public Policy Brown Bag Seminar Series. "Economic Evaluation of AIDS Clinical Trials." Barton Hamilton, assoc. prof. of economics, management, and entrepreneurship. Eliot Hall, Rm. 300. 935-4918.

Noon-4:30 p.m. Physical Therapy symposium. Steven J. Rose Symposium.
"Basic Science Studies of Peripheral Nervous System Dysfunction."
Kimberly Topp, assoc. prof. of physical therapy and rehabilitation science, U. of Calif., San Francisco; Thomas H. Tung, asst. prof. of surgery. Cost: \$25, 4444 Forest Park Blvd., Rm. B112.

4 p.m. Biology seminar. "Quantitative Evolutionary Genomics of Drosophila: Eyes, Wings, Hearts, Drugs and Variation." Greg Gibson, assoc. prof. of genetics, N.C. State U. Rebstock Hall, Rm. 322. 935-6719.

4 p.m. Immunology Research Seminar

Series. "The Incredible Likeness of Bonding: Leukocytes, Platelets and Disease States." Thomas Diacovo, assoc. prof. of pediatrics and asst. prof. of pathology and immunology. Eric P. Newman Education Center. 362-2763.

Tuesday, Sept. 24

Noon. Alzheimer's Disease Research Center Tuesday Conference Seminar Series. "The Gamma-secretase Cleavage of APP." Silva Hecimovic, dept. of psychiatry. Barnes-Jewish Hosp. Bldg., East Pavilion Aud. 286-2881.

Noon. Molecular Microbiology and Microbial Pathogenesis Seminar Series. "Genes and Signals." Mark Ptashne, head of gene regulation in molecular biology, Sloan-Kettering Inst. New York. Moore Aud., 660 S. Euclid Ave. 362-3692

4 p.m. Anesthesiology Research Unit Seminar Series. William Craigen, assoc prof. of molecular and human genetics and asst. prof. of pediatrics, Baylor College of Medicine, Waco, Tx. Clinical Sciences Research Bldg., Rm. 5550.

5 p.m. Engineering School Connection Series. "A View from Ground Zero — One Year Later." H.G. Schwartz, chairman, Jacobs Civil, Inc. Reservations required. Ridgley Hall, Holmes Lounge. 935-5363.

Wednesday, Sept. 25

8:15 a.m. Obstetrics & Gynecology Grand Rounds.. "Obstetric Anesthesia: Effects on Labor, Speed and Outcome." Barbara Leighton, prof. and chief of obstetric anesthesiology. Clopton Aud., 4950 Children's Place. 362-1016.

11 a.m. Assembly Series. "Body Parts: Large and Small." Ian Hacking, author and philosopher. Graham Chapel. 935-5285.

Thursday, Sept. 26

11 a.m. Pulmonary and Critical Care Medicine Grand Rounds. "The Why, When, and How of Cardiopulmonary Exercise Testing." Michael Lippmann, assoc. prof. of medicine, John Cochran VA Medical Center, St. Louis. Barnes-Jewish Hosp. Bldg., East Pavilion Aud. 362-6904.

Noon. Genetics Seminar Series.

"Preimplantation Human Embryo
Diagnostics: Genomic/Cytogenetic."
Mark Hughes, prof. and dir., Center for
Molecular Medicine and Genetics, Wayne
State U., Detroit. McDonnell Medical
Sciences Bldg, Rm. 823. 362-2139.

4 p.m. Assembly Series. Thomas Hall Lecture. "Genetics, the Atomic Age and the Cold War." John Beatty, Morse-Alumni Distinguished Teaching Professor and prof. of ecology, evolution and behavior, U. of Minn. Rebstock Hall, Rm. 215. 935-5285.

4 p.m. Chemistry seminar. "Enhanced

Sensitivity Magnetic Resonance Techniques for Semiconductors: Optical Pumping, Dynamic Nuclear Polarization, and Electrical Detection." C. Russell Bowers, assoc. prof. of chemistry, U. of Fla. McMillen Lab., Rm. 311. 935-6530.

4 p.m. Ophthalmology and Visual Sciences Seminar Series. "Crystal Structure of PEDF: A Potent Anti-angiogenic and Neurite Growth-promoting Factor." Carl Volz, assoc. prof. of microbiology and immunology, U. of III. at Chicago. Barnes-Jewish Hosp. Bldg., East Pavilion Aud. 362-1006.

7 p.m. Architecture Monday Night Lecture Series. Annual Fumihiko Maki Lecture. "Working in India." Charles Correa, Ruth and Norman Moore Visiting Professor of Architecture, architect. Steinberg Hall Aud. 935-6200.

Friday, Sept. 27

9:15-10:30 a.m. Pediatric Grand Rounds. "Home-based Therapy for Protein-energy Malnutrition." Mark J. Manary, assoc. prof. of pediatrics. Clopton Aud., 4950 Children's Place. 454-6006.

Noon. Cell Biology & Physiology seminar. "Coupling DNA Replication and Chromosome Dynamics in Fission Yeast." Susan L. Forsburg, assoc. prof. of molecular & cell biology, Salk Inst. for Biological Sciences, La Jolla, Calif. McDonnell Medical Sciences Bldg., Rm. 426. 362-3964.

4 p.m. Anatomy & Neurobiology seminar. "Signal Transduction Mechanisms in Axon Guidance and Neuronal Migration." Yi Rao, assoc. prof. of anatomy & neurobiology. McDonnell Medical Sciences Bldg., Rm. 928. 362-7043.

7 p.m. Gallery of Art lecture. "Voyages and Fantasies: Exoticism and Orientalism in Modern Art." Elizabeth Childs, assoc. prof. of art history and archaeology. (Reception, 6:30.) Cost: \$10, \$25 for the series. Reservations required. Gallery of Art Teaching Gallery. 935-5490.

Saturday, Sept. 28

1 p.m. Joint Center for East Asian Studies colloquium. "Regional Diversity in East Asia." Kären Wigen, assoc. prof. of history, Stanford U.; Helen Siu, prof. of anthropology, Yale U. U. of Mo., St. Louis, Millennium Student Center. R.S.V.P. 516-5753.

Monday, Sept. 30

Noon. Molecular Biology & Pharmacology Research seminar. "Counting GFP-tagged GABA Transporters at Synapses of Knock-in Mice." Henry A. Lester, Bren Professor of Biology, Calif. Inst. of Technology. South Building, Phillip Needleman Library. 362-0183.

4 p.m. Biology seminar. "Identification of Xenorhabdus Mematophilius Genes Required for Mutualistic Colonization of

British novelist Mantel to read for Writing Program

By LIAM OTTEN

Critically acclaimed British novelist Hilary Mantel will read from her work at 8 p.m. Sept. 26 for The Writing Program Reading Series. In addition, Mantel will give a colloquium on the craft of fiction at 8 p.m. Oct. 2.

Both events are free and open to the public and will take place in Hurst Lounge, located in Duncker Hall, Room 201. A book signing will follow the reading and copies of Mantel's works will be available for purchase.

Mantel will be in residence for two weeks as the Fannie Hurst Professor of Creative Literature in The Writing Program in the Department of English in Arts & Sciences. She is the author of eight novels, most recently *The Giant*, *O'Brien* (1998) and *An Experiment in Love* (1995), which Margaret Atwood has called "a haunting book." Her other works

are Every Day Is Mother's Day (1985), Vacant
Possession (1986), Eight
Months on Ghazzah
Street (1988), Fludd
(1990), A Place of
Greater Safety (1992)
and A Change of Climate
(1994).

"Hilary Mantel might still be something of a well-kept secret here,"

said Marshall Klimasewiski, assistant professor of English, "but back in Britain she has been recognized since the early '90s as one of the most ambitious novelists around. Her historical fictions — The Giant, O'Brien,

which is set in 1782 London, and the tremendous A Place of Greater Safety, about the French Revolution — are at the forefront of the recent and unlikely literary rebirth of that genre.

"Mantel is a tremendous stylist who is nevertheless devoted to the old pleasures of psychological fiction and tightly constructed, fast-paced dramas," Klimasewiski added. "I can't imagine it will be long before the secret is out in this country, too."

Born in Derbyshire, England, Mantel has lived in Botswana and Saudi Arabia. Her major awards include the Shiva Naipaul Memorial Prize, the Winifred Holtby Award, the Sunday Express Book of the Year Award and the Hawthornden

For more information, call 935-7130.

Hacking, Beatty to speak for Assembly Series

By MARY KASTENS

he University will welcome two eminent philosophers in two days for its Assembly Series.

Ian Hacking will deliver a lecture titled "Body Parts: Large and Small" at 11 a.m. Sept. 25 in Graham Chapel, and John Beatty will give the Thomas Hall Lecture titled "Genetics, the Atomic Age and the Cold War" at 4 p.m. Sept. 26 in Rebstock Hall, Room 215.

Hacking is the University Professor in Philosophy at the University of Toronto. His talk will explore how new technologies — organ transplants, the purchase and sale of body parts, sex-change operations and new definitions of death — are radically changing the way society views our relationships with our

Hacking is best known for his work in the philosophy of science, language and mathematics and his inquiry into philosophical questions about psychopathology.

In an interview with The Toronto Star, Hacking said, "I have this extraordinary curiosity about all subjects of the natural and human world and the interaction between the physical sciences and the social sciences. I sometimes describe myself, somewhat condescendingly, as a dilettante. But dilettantes are useful because they're not scared of things.'

The Modern Library selected The Taming of Chance, Hacking's 1990 cultural history of probability, as one of the top 100 works of nonfiction in the 20th century. Hacking's other publications include An Introduction to Probability and Inductive Logic

(2001), The Social Construction of What? (1999), Mad Travelers: Reflections on the Reality of Transient Mental Illness (1998) and Rewriting the Soul: Multiple Personality and the Sciences of Memory (1995).

Rewriting the Soul was the winner of the 1995 Pierre Janet Writing Award of the International Society for the Study of Dissociation. A reviewer from Contemporary Psychology wrote, "In Hacking's hands, multiple personality emerges as a paradigmatic case study illuminating basic questions about truth, memory, fact and fiction, about knowledge, science and identity. ...

In 2000, Hacking was elected to a chair in philosophy and the history of scientific concepts at the College de France in Paris. He is the first English-speaking scholar to receive this honor and joins the ranks of such distinguished intellectuals as Michel Foucault, Roland Barthes, Claude Levi-Strauss and Umberto Eco.

Hacking was born and raised in Vancouver, Canada. He earned a bachelor's degree at the University of British Columbia and a second bachelor's and a doctorate in philosophy at Cambridge University.

He has taught at the universities of Cambridge and Oxford and also at Stanford University, where he chaired the philosophy

Since 1982, he has been at the Institute for the History and Philosophy of Science and Technology at the University of Toronto. He is a fellow of the Royal Society of Canada, the American Academy of Arts and Sciences and the British Academy, and an honorary fellow of Trinity College in Cambridge.

Philosopher of science Beatty is the Morse Alumni Distinguished Teaching Professor in the department of ecology, evolution and behavior at the University of Minnesota.

The thrust of his talk will be on the way science and national security have tended, until recently, to focus almost exclusively on the physical sciences. But recent fears of bioterrorism have led modern society to think more broadly about the role that biology might play in national security in the 21st century.

However, according to Beatty, biology has long played a role in considerations of national security, and he will consider the relevance of genetics (and population genetics) to Atomic Age and Cold War concerns, and in turn the impact of the Atomic Age and the Cold War on genetics.

He has published widely on the changing conceptual foundations, aims and methods, as well as the sociopolitical dimensions, of the life sciences. He is working on a book to be called Genetics in the Atomic Age.

Beatty earned a bachelor's degree in biology and chemistry from Tulane University in 1973, and master's and doctoral degrees in history and philosophy of science in 1977 and 1979, respectively, both from Indiana University.

He has taught at Harvard, Arizona State and Stanford uni-

A fellow of the American Association for the Advancement of Science (AAAS), Beatty chairs the AAAS's Section on History and Philosophy of Science. He also chairs the U.S. National Committee of the International Union for History and Philosophy of Science.

Sports

Football team suffers first loss of season

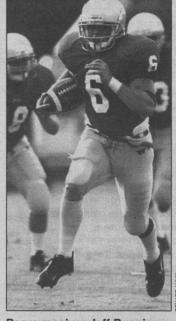
The Bears held MacMurray College to just 153 yards of total offense, but five turnovers doomed Washington U. as the visiting Highlanders recorded a 16-10 victory Sept.14 at Francis Field. The Bears led twice, but MacMurray used two big plays - a blocked punt returned for a touchdown, and a safety - to pull ahead in the second half and take the win. After Toby Neighbors' 2-yard touchdown run opened the scoring, the Highlanders John Hambelton returned a blocked punt 14 yards for the tying score. After Ben Lambert kicked his fourth field goal of the year, Mac-Murray used a 76-yard scoring drive to go up 14-10. The Highlanders added a safety when Neighbors was tackled in the end zone for the final points. Neighbors, who took over when starting tailback Kevin McCarthy left the game with a shoulder injury, finished with 71 yards rushing, while wide receiver Jeff Buening caught eight passes for 59 yards.

Other updates

The No. 4 volleyball team improved to 12-0 as the Bears captured the WU National Invitational championship this past weekend with wins over No. 11 Wittenberg (3-2), No. 10 Central (3-0), No. 16 Ohio Northern (3-0) and No. 14 Puget Sound (3-0). Senior Rebecca Rotello led the Bears with a .302 hitting percentage and 154 assists. She also recorded a triple-double with 35 assists, 11 digs, and 11 kills in the win against Ohio Northern.

The women's soccer squad continued its hot start and moved to 4-1-1 with two wins last week. The Bears opened with a 3-1 win at Principia College Sept. 10. The hosts scored first, but Megan Morley's first career goal tied the game and Kim Raess' fifth goal - and third game-winner — of the season gave the Bears the lead for good. Freshman Kelly Schoenbeck added a late insurance goal. The Bears then took a 2-1 overtime win at Wisconsin-Whitewater Sept. 15. Katie Landon scored the equalizer and Lindsey Ulkus won it seven minutes into overtime.

The men's soccer team split two games and dropped to 3-2-1 on the season. The Bears opened the week with a 1-0 win at Westminster College Sept. 12. Senior Mark Gister scored the



Bears receiver Jeff Buening nabbed eight passes for 59 yards in the 16-10 loss to MacMurray College Sept. 14.

game-winner in the sixth minute and sophomore Jeremy Kaplan-Lyman picked up his third shutout of the year. The Bears then lost 2-0 loss at Centre College Sept. 15. Centre scored as time expired in the first half and then added an insurance goal in the 72nd minute to seal the victory.

The men's and women's cross country teams began the 2002 season by winning the college division of the 17th Annual Bradley Open Sept. 13 at Detweiller Park in Peoria, Ill. The men's top five finishers all placed in the top 15 of their division as they finished with 39 points, which was one point better than North Central College. Junior Matt Hoelle was the top finisher for the Bears as he placed second with a time of 25:14.67. The women's team also placed first with 31 points as the Bears had their top five finishers place in the top 10 of their division. Junior Emily Lahowetz led the Bears, placing third in 18:25.

Women's tennis opened the season with a 5-4 win over Cornell College on Sept. 14 at the Tao Tennis Center. Steph Cook picked up a 6-1, 6-1 win at No. 2 singles and teamed with Kacie Cook for an 8-6 win at first doubles. Erica Greenberg and Becky Rovner were 8-6 winners at No. 3 doubles, with Greenberg adding the match-clinching win at No. 5 singles, 6-1, 6-2. Sara Kabakoff also added a

Who: Ian Hacking

When: 11 a.m. Sept. 25

When: 4 p.m. Sept. 26

call 935-4620 or visit the Assembly Series Web site, wupa.wustl.edu/assembly.

Sesquicentennial Colloquium Lecture.

Sciences Seminar Series. "Counting

Every Quantum: Transmission at the Mammalian Cone Photoreceptor

of ophthalmology and physiology, Northwestern U. McDonnell Medical

Sciences Bldg., Rm. 928. 362-1006.

On Stage

Saturday, Sept. 28

8 p.m. OVATIONS! Vo-Du Macbeth.

Cosponsored by American Culture

Studies in Arts & Sciences. (Also

Sept. 29, 2 p.m.) Cost: \$27, \$22 for WUSTL faculty & staff, \$13 for WUSTL students. Edison Theatre. 935-6543.

Synapse." Steven H. Devries, asst. prof.



Steinernema Carpocapsae Nematodes." Heidi Goodrich-Blair, asst. prof. of bacteriology, U. of Wisc., Madison. Rebstock Hall, Rm. 322. 935-7888.

Tuesday, Oct. 1

Microbial Pathogenesis Seminar Series. "Multiple Functions for Type IV Secretion Systems in Helicobacter pylori." Rainer Haas, scientific head, unit on Helicobacter pylori, Max von Pettenkofer Inst. for Biology, Munich. Cori Aud., 4950 Children's Place. 747-1029

Maoz, head, Professor Dr. Raphael Taubenschlag Inst. of Criminal Law, Tel Aviv U. Sponsored by the Whitney R. Harris Inst. for Global Legal Studies. Anheuser-Busch Hall, Bryan Cave Moot

11 a.m. Assembly Series. Olin Conference Lecture. Carole Counihan, dir. of women's studies, Millersville U., Pa. Graham Chapel, 935-5285.

Thursday, Oct. 3

7:30 a.m.-4:30 p.m. Obstetrics & Gynecology Symposium. Randall R Odem, course chair, assoc. prof. of obstetrics & gynecology. Cost: \$275 for physicians, \$195 for allied health professionals. Registration required. (Continues Oct. 4.) Eric P. Newman Education Center. 362-6891

11 a.m. Pulmonary & Critical Care Medicine Grand Rounds. "Radiologic Screening for Lung Cancer." David Gierada, asst. prof. of radiology. Barnes-Jewish Hosp. Bldg., East Pavilion Aud.

Noon. Genetics Seminar Series. "Nutrient Levels and Insulin-like Signaling Regulate a Linker Histone Variant Required for Lifespan Extension in C. Elegans." James A. Waddle, asst. prof. of molecular biology, U. of Tex. Southwestern Medical Center, Dallas. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

Who: John Beatty

3 p.m. Mechanical Engineering

Where: Graham Chapel Where: Rebstock Hall, Room 215

Assembly Series

All Assembly Series talks are free and open to the public. For more information,

"Bloomers, Boomers, and Zoomers David Peters, McDonnell Douglas Professor of Engineering and chair mechanical engineering. Cupples II Hall, Rm. 100. 935-6047. Noon. Molecular Microbiology & 4 p.m. Ophthalmology and Visual

3 p.m. Legal Studies lecture. "Judaism as a Source of Human Rights." Asher Courtroom. 935-7988.

Wednesday, Oct. 2

Music

Sunday, Sept. 22

3 p.m. Concert. Liederabend. Joyce Castle, mezzo-soprano. Cost: \$15, \$10 for WUSTL faculty and staff, \$5 for WUSTL students. Steinberg Hall Aud. 935-6543.

Sunday, Sept. 29

3 p.m. Concert. WUSTL Jazz Band, WUSTL Symphony Orchestra. Brookings Quadrangle. (Rain location: Graham Chapel.) 935-4841.

Sports

Friday, Sept. 20-Sunday, Sept. 22

All day. Men's & Women's Tennis. WU

Invitational. Tao Tennis Courts.

Saturday, Sept. 21

7 p.m. Men's Soccer vs. Principia College. Francis Field. 935-4705.

Wednesday, Sept. 25

7 p.m. Volleyball vs. Fontbonne U. Athletic Complex. 935-4705.

Thursday, Sept. 26

7 p.m. Women's Soccer vs. Fontbonne U. Francis Field. 935-4705

Saturday, Sept. 28 7 p.m. Football vs. Rose-Hulman Inst.

Francis Field. 935-4705

Sunday, Sept. 29 11 a.m. Women's Soccer vs. Carnegie

Mellon U. Francis Field. 935-4705. 1:30 p.m. Men's Soccer vs. Carnegie Mellon U. Francis Field. 935-4705.

And more...

Friday, Sept. 20

7:30 a.m-5 p.m. Center for the Application of Information Technology meeting. Annual Innsbrook Golf Outing and Executive Speaker Series. "Does IT Have Responsibility for Corporate Accounting Practices?" Harvey Kelley, partner, PricewaterhouseCoopers. Open to CAIT members only. Innsbrook Estates Executive Conference Center. 935-4792.

Thursday, Sept. 26

8 p.m. Writing Program Reading Series. Hilary Mantel, British novelist. Book sign-ing will follow reading. Duncker Hall, Rm. 201. 935-7130.

Wednesday, Oct. 2

8 p.m. Writing Program Reading Series colloquium. Hilary Mantel, British novel-ist. Duncker Hall, Rm. 201. 935-7130.

Treiman

Studies how children learn to read, write and spell - from Page 2

of Psychology."

Treiman earned a bachelor's degree in linguistics from Yale University in 1976 and a doctorate in psychology from the University of Pennsylvania in

Active on the editorial boards of several research journals, she served as editor of The Journal of Memory and Language from 1997-2001. She also served a term as member and chair of the Perception and Cognition Review Panel of the National Institute of Mental

She has published three books (one each as author, editor and co-editor), more than 20 book chapters and more than 70 journal articles.

Her work has been supported by grants from the National

Institutes of Health and Human Development, the National Science Foundation, the Spencer Foundation and the March of Dimes Birth Defects Research Foundation.

Elizabeth High Baker attended John Burroughs High School in St. Louis. She entered Washington University after a year at Stanford University and graduated in 1940 with a bachelor's degree in psychology and art

After graduation, she moved to Houston with her parents, where she married Burke Baker Jr. After serving in the Army during World War II and working for a certified public accounting firm for several years, Mr. Baker joined the Anderson Clayton Co., retiring as executive vice president and a

Mr. Baker passed away in 1999. The Bakers have three sons.

Mrs. Baker resides in Houston, where she continues to support many local charities and maintains her interests in her family and the local community.

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forming a breast lift or nose job.

"The basic elements of plastic surgery are rather primitive," Krantz said. "The primary conceptual tools of the surgeon are experience and intuitive aesthetics. If you read the technical papers of the very best plastic surgeons it's like reading about art appreciation: There is a great emphasis on balance and perspective.

But the face is a geometric surface and can be analyzed as such. Roughly speaking, that's what we're trying to do.'

This software could have many applications outside of the field of reconstructive surgery. For example, Krantz and his collaborators have taken a group of adults and a child, scanned in the faces and matched the child to his parents.

"We hope to be able to predict the attributes of a child of two given parents, to match identical twins and to perform other 'facial recognition' functions," he said.

The capability of the system will be useful in security applications, in anthropology, in aesthetics and in other as yet unforeseen

Krantz discussed the research in a keynote address given at the recent Discrete Geometry Conference in Tallahassee, Fla. The conference was sponsored by the National Science Foundation.

One of the main themes of the conference was brain mapping, but there were contributors who were interested in all aspects of physiological scanning and modeling.

Multiple triangles

Here's the mathematics behind beauty. A patient comes to a plastic surgeon's office for surgery to make him look like a young Paul Newman. His face is scanned with safe white light from the 3-D

Instantaneously, it turns the face into a very fine grid that looks like multiple triangles pieced together, representing the to predict the attributes shape of the face of a child of two given with all its curves and creases. The grid is compared identical twins and to to a library of idealized faces,

chosen. Upon this grid, the wavelet mathematics and differential geo-

and one is

metric calculations go to work in measuring the nose, cheeks, eye sockets and calculating the d culty in making changes as well as the global effects of surgery how changes in one part of the

face, say, the forehead, will impact the shape beneath the eyes, for instance.

The wavelet functions can handle every different feature to any degree of accuracy, Krantz said. It is a geometry designed for each reconstructive surgery problem, allowing the surgeon to model a face by breaking the different parts of the face into units and custom-build a new face from those units.

Krantz and his colleagues, using wavelets, can actually take two faces and construct a "differ-

"It's like subtracting one face from another to get a new one," Krantz said. "This gives the plastic surgeon a new way of looking at

"The hardest part of plastic surgery is trying to predict the outcome. It really takes a year of healing to be able to determine the final result. We think the system can make the predictive powers more accurate.

Beyond plastic surgery, the system could be used someday in security cameras to analyze the faces of burglars and compare them with a database of known offenders, dispensing with the old store height chart and the manual perusing of hundreds of mug shots at the precinct.

'Perfect 10'

A more provocative application?

"One of our long-term goals is to quantify beauty," Krantz said. "This is unsettling to some people. It is an age-old problem to turn 'beauty' into a quantifiable or analyzable attribute. Our goal is to attach a matrix or a family of numbers to a face and measure how beautiful it is.

"Certainly symmetry and balance would be parameters. But how do you establish a rubric that resonates with commonly held values?"

Krantz noted that there have been a number of interesting studies performed to categorize beauty. A well-known one took 10

exquisitely beautiful faces and mathematically averaged them. The result was one "plain Jane."

Thus, the route to a "perfect 10" is strewn with some tricky math.

"One would think symmetry would be the dominating parameter, Krantz said. "But

if you consider any number of classic beauties through history from Greta Garbo to Sophia Loren to Michelle Pfeiffer — it is often the asymmetries or irregularities that make them beautiful."

O'Sullivan

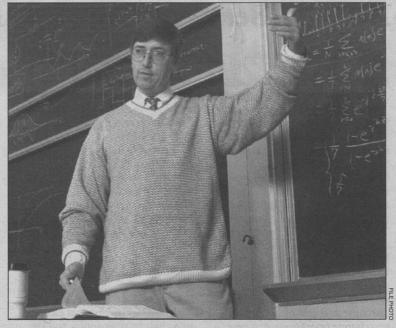
Council is liaison between faculty and administration from Page 1

Cryer, M.D., the Irene E. and Michael M. Karl Professor of Endocrinology and Metabolism in the School of Medicine. Cryer had served two years as chair of the Faculty Senate and the Faculty Senate Council.

O'Sullivan served as council secretary from 1995-98.

The director of the Electronic Systems and Signals Research Laboratory, his research interests include information theory; imaging science, including biomedical imaging; object recognition; security technologies; and magnetic information systems.

O'Sullivan earned a bachelor's degree in 1982, a master's in 1984 and a doctorate in 1986, all in electrical engineering from the University of Notre Dame.



Joseph A. O'Sullivan, Ph.D., professor of electrical engineering, leads a recent class. Also a professor of biomedical engineering in the School of Engineering & Applied Science and an associate professor of radiology in the School of Medicine, O'Sullivan has been tabbed as chair of the Faculty Senate and the Faculty Senate Council for this academic year.

University's food ranked No. 1 in U.S.

The University has the best food of any college in the country, according to the *Princeton Review*'s annual survey of 345 national universities.

A yearly publication that ranks universities in areas from academics to quality of life, the Princeton Review bases its information on

"Being voted No. 1 by our students is a great honor," said Steve Hoffner, assistant vice chancellor for students and director of operations. "Our dining services team has demonstrated that serving our customers is our top priority.

"This is a customer-driven operation, and Bon Appétit's management and employees deserve great credit for making our University stand out among others in terms of the quality and variety of food we provide to over 10,000 people every day.

The University had been ranked second in the campus food cate-

Recipe

- from Page 1

he does, and we all benefit from his talents.

Foley's recipe won first place in a regional competition. He then went to a conference in Orlando, Fla., where he competed against chefs from such schools as the University of Michigan and Brown, Rutgers, Brigham Young and Texas Tech universities.

Foley's award-winning recipe is online at www.nacufs.org/education/culinary/challenge/winners.asp.

Herpes

- from Page 1

immune system and evade destruction by complement, but that the RCA mimic proteins help the virus only during acute infection.

The researchers used a mouse virus called gamma-herpes virus 68 (yHV68), which is similar to Epstein Barr virus and the herpes virus that causes Kaposi's sarcoma, a cancer that occurs in some people with immune deficiency.

The team engineered a mutant strain of the mouse virus that lacked the RCA mimic protein. They compared the effects of the normal virus and the mutant virus on normal mice versus mice that lacked a key complement protein, C3.

The researchers found that viruses lacking an RCA mimic were far less virulent than the normal virus: It took 100 times more of the mutant virus to cause disease in healthy mice compared to normal virus.

The mutant virus also grew 27 times slower than normal, and it

failed to spread to other organs during acute infection. This showed that the RCA mimic proteins were necessary for the virus

Next, the researchers tested the mutant virus in mice lacking C3. In this case, the mutant virus was just as virulent as normal viruses in normal mice.

Without C3 in the infected animal, the virus did not need to disguise itself with RCA in order to thrive. This implies that, in normal mice, the mimic protein enabled the virus to escape detection by the complement

The investigators then explored the role of complement and RCA during persistent and chronic infections. Historically, scientists believed that the body uses the complement system only during the acute phase of herpes virus infection. Chronic stages of infection, they thought, were fought by immune system components such as T cells, B cells and interferons.

Persistent infection occurs when the virus continues to replicate beyond the period of acute infection. It is most clearly seen when the immune system is seriously impaired.

Latent infection occurs when the virus resides inactively in cells, but it can be reactivated to generate infectious virus.

The researchers found that while healthy mice infected with γHV68 rarely showed signs of persistent infection, this condition readily occurred in C3deficient mice. This was evidence that complement helped control this phase of infection.

They also discovered that complement helps control latent infection. Using special tests that reactivate latent viruses, the team found that three to five times more virus could be reactivated in C3-deficient mice than in normal mice.

"Our findings explicitly show that complement plays a role during persistent and latent infection, and that was unexpected," Virgin said. "They also emphasize that we can't study a viral protein during just one part of a virus' life cycle and assume we understand the function of that protein. It's important to look at it during all phases of infection."

Campus Watch

"We hope to be able

parents, to match

perform other 'facial

recognition' functions."

STEVEN G. KRANTZ

The following incidents were reported to University Police Sept. 11-17. Readers with information that could assist in investigating these incidents are urged to call 935-5555. This information is provided as a public service to promote safety awareness and is available on the University Police Web site at police.wustl.edu

Sept. 12

10:13 a.m. — A person reported that he placed his book bag near the coat rack by the weight room in the Athletic Complex, and upon returning found that an unknown person had stolen his bag. Total loss is estimated at \$257.

Sept. 14

9:05 a.m. — A student reported the theft of his wallet, which had last been seen in the area of Ursa's Café. The wallet contained several credit cards, his student identification and driver's license. Total loss is estimated at \$26.

9:59 p.m. — A student was

arrested for assault after the request of a contract security guard to leave at the conclusion of Walk In, Lay Down. The student assaulted the guard, injuring the guard's wrist. The incident was referred to the prosecuting attorney's office.

Sept. 15

5:37 p.m. — A student reported that the rear, soft-top zip-out window was stolen from his Isuzu Rodeo, which was parked in the Snow Way Garage. Total loss is estimated at \$200.

In addition, University Police responded to one report each of trespassing, larceny, auto accident and disturbance

Go online to hr.wustl.edu (Hilltop Campus) or medicine.wustl.edu/wumshr (Medical Campus) to obtain complete job descriptions.

Hilltop Campus

Information regarding positions may be obtained in the Office Room 130, West Campus. If you are not a WUSTL staff member, call 935-9836. Staff members call 9355906.

Senior Medical Sciences Writer 010108 Lab Technician -Part Time 020234

Library Asst. for Engineering 020337 Occupational Health Safety Technologist 020339 Staff Psychologist 020351

Mechanic (Bargaining Unit Employee) 020358 Assoc. Dir, Corporate Relations

Career Dev. Specialist – Grad Students 020381 PC Support Technician 030016

Application Processor 030022 **Senior Contract** Management Liaison 030032 Department Secretary 030033

030060

Clinical Program Coordinator 030051 030081 **Animal Caretaker** Deputized Police Officer 030062

Physical Therapist 030064 Admin. Asst. to the Dean 030068 Coordinator of Media

Relations 030061 **Accounts Receivable** Service Rep. 030070 Laboratory Technician/Analytical

Chemist 030071 **Assistant Director of** Admissions 030072 **Telephone Operator**

Coord. of Undergrad Admin. & Freshman Programs 030080 **Data Entry Processor**

Sr. Regional Dir. Atlantic Region

Director of Corporate Relations 030084 Advisor to International Students/Scholars 030086

Administrative/Grants Coord. 030087 Systems Coordinator 030088

Staff Research Assoc./Electronic Technician 030090 Dir. Of Financial Management/Office Mgr. 030091 Asst. Manager/

Housekeeping for Res. Life 030093 **Payroll Services** Employee Relations Manager 030095

Medical Campus

This is a partial list of positions in the School of Medicine. Employees: Contact the medical school's office of Human Resources at 3627196. External candidates: Submit résumés to the Office of Human Resources, 4480 Clayton Ave., Campus Box 8002, St. Louis, MO 63110, or call 362-7196.

Senior Research Administrator 021576 Clinical Nurse Specialist 030301 Dietician/Nutritionist

Research Patient Asst. 030336 Research Technician II Secretary III 030340

Staff Radiologic

Technologist

030334

Nurse Practitioner Research Technician I 030342

Clinical Research Asst. 030344 Medical Asst. Coord: Postgraduate

Communication 030353

Sr. Analyst-Finance, Planning, Project 030361

Notables

Introducing new faculty members

The following are among the new faculty members at the University. Others will be introduced periodically in this space.

Paul A. Checchia, M.D., assistant professor of pediatrics, comes to the School of Medicine from Loma Linda University Children's Hospital (LLUCH), where he specialized in cardiovascular physiology and postoperative cardio-thoracic management. Checchia, a Chicago native, earned a medical degree from Southern Illinois University and a bachelor's degree in English from Northwestern University. He received the Faculty-Teacher of the Year Award in pediatric emergency medicine. His research interests include acute myocardial injury and the postoperative care of children.

Joshua B. Smith, Ph.D., joins the Department of Earth & Planetary Sciences in Arts & Sciences as assistant professor. He earned a bachelor's from the University of Massachusetts in 1994, and a master's in 1997 and a doctorate in 2002, both from the University of Pennsylvania. He studies the interactions of ancient organisms and their environments, particularly the paleoecology of ancient ecosystems that contained dinosaurs and other Mesozoic "lower vertebrates." His efforts are currently largely focused on a sequence of 94 million-year-old rocks in the Bahariya Oasis of Egypt that has produced one of the most enigmatic dinosaur faunas ever discovered, including some of the largest known terrestrial

Priya Joshi, Ph.D., joins the Department of English in Arts & Sciences as assistant professor. She earned a doctorate with distinction in English and comparative literature from Columbia University in 1995. Her research and teaching interests include imperialism and its legacies; narrative and postcolonial theory; history of the book; the modern novel; popular Hindi film; and nationalism. Before coming to WUSTL, she taught in the English department at the University of California, Berkeley. Her research has been supported by fellowships from the National Endowment for the Humanities and the American Institute for Indian Studies.

Marina MacKay, Ph.D., joins the Department of English in Arts & Sciences as assistant professor. She earned a master's from the University of St. Andrews in 1999 and a doctorate in 2000 from the University of East Anglia, where she was employed as a tutor in literature. Her primary research projects are in modernist and mid-20th-century British fiction. A central contention of her research is that modernism extends well-beyond World War II, and she is interested in the formal and thematic continuities between pre-war and post-war fiction. She also is particularly interested in the relationships between British modernists and continental Europe between the wars, examining the ways in which these writers — who are simultaneously journalists and travel writers as well as novelists - respond to international crisis by both interrogating "Britishness" and mythologizing continental nations.

Of note

Rebecca J. DeRoo, Ph.D., assistant professor of art history, recently chaired a session at the annual meeting of the College Art Assocation, titled "Creating Community: Feminist Art and Exhibitions of the 1970s."

Catherine A. Collins, Ph.D., post-doctoral fellow in molecular biology and pharmacology, has received a three-year, \$99,000 grant from the Damon Runyon Cancer Research Foundation for research titled "The Role of Ubiquitination in Regulating Synaptic Growth."

Thomas W. Ferkol Jr., M.D., associate professor of pediatrics, has received a one-year, \$1,500 grant from the Cystic Fibrosis Foundation for research titled 'Quantification of Pulmonary Neutrophil Activity in Cystic Fibrosis Using Radiolabeled Fluorodeoxyglucose and PET Imaging."

Richard J. Battafarano, M.D., Ph.D., assistant professor of surgery, has received a one-year, \$30,000 grant from the Thoracic Surgery Foundation for Research and Education...

Michael A. Province, Ph.D., professor of biostatistics, has received a one-year, \$50,000 grant from the Longer Life Foundation for research titled "Disease Comorbidity and Survival in the NHLBI Family Heart Study." ...

Washington University's Project ARK has received a oneyear, \$7,000 grant from The AIDS Foundation of St. Louis, and a one-year, \$49,588 grant from the Children Affected by AIDS Foundation for a program titled "Forever Family." ...



Every detail counts Caroline Blaker (left), a senior in the School of Art, discusses her ceramics with local resident Kim Goldman during the Clayton Art Fair Sept. 14. Blaker was one of about a dozen students to take part in the annual festival - the third-largest event of its kind in the United States — through a unique program developed by Ron Fondaw, professor in the School of Art and area coordinator of ceramics. Students intern with established artists one year and return the following year to display booths of their own.

Elena Ignatove, Ph.D., research associate of otolaryngology, has received a one-year, \$10,000 grant from The National Organization for Hearing Research Foundation for research titled "Molecular Mechanisms Determining the Formation of Aragonitic Versus Calcitic Otoconia."

Jay W. Heinecke, M.D., professor of medicine, has received a one-year, \$40,000 subcontracted grant from Columbia University

for research titled "Proinflamatory Enzymes in Amyotrophic Lateral Sclerosis." ...

Yousef Abu-Amer, Ph.D., assistant professor of orthopaedic surgery, has received a three-year, \$97,437 grant from Shriners Hospital for Children for research titled "Regulation of Bone Erosion Relevant to Juvenile Rheumatioid Arthritis."

Kyunghee Choi, Ph.D., assistant professor of pathology and

immunology, has received a three-year, \$80,770 grant from the Tokyo Metropolitan Institute of Medical Science for research on hemangioblasts...

Brian A. Wrenn, Ph.D., assistant professor of civil engineering, has received a one-year grant of \$63,000 from the National Science Foundation for research titled "REU Site: **Environmental Engineering**

bituaries

Brooks, 77; professor emeritus of music

ilford U. Brooks, Ed.D., pro-fessor emeritus and former chair of the Department of Music in Arts & Sciences, died Thursday, Sept. 5, 2002, at Barnes-Jewish Extended Care in Clayton, Mo., of a head injury suffered during a fall in May at a different facility. He was 77.

Brooks was born in East St. Louis and grew up across the street from jazz pioneer Miles



Brooks

Davis. During

Brooks served as a P-47 fight-Tuskegee Airmen and in 1949 earned a bachelor's

World War II, er pilot with the famed degree in music educa-

University at Carbondale. He earned both a master's

tion from Southern Illinois

degree and a doctorate in education from Washington University, in 1960 and 1972, respectively.

Brooks played trombone in several groups, notably the George Hudson Band, and from 1950-1971 served as director of music education for East St. Louis School District 189. He joined the faculty of Washington University in 1970 as a lecturer in Black Studies and was named assistant professor in 1972.

He joined the music department the following year as associate professor and served as chair from 1976-1984 — the first African-American to hold that position. He was named professor emeritus in 1988.

Brooks was an authority on the history of African-American music. His highly regarded survey America's Black Musical Heritage (1984), provides an overview of significant genres, composers and works while also examining their social, political and cultural contexts.

In 1986, Brooks joined the St. Louis Public Schools as a music supervisor, retiring in 1993. He then taught for two years at the State University of New York at Buffalo.

Brooks is survived by his former wife, Ethelyn Harris Pappas of St. Louis; three daughters, Gerri B. Dickerson of Atlanta, Denise B. Hervey of Clayton and Tracey L. Brooks of Chicago; four granddaughters; and two great-granddaughters.

A memorial service was held Sept. 14 at Valhalla Chapel, 7600 St. Charles Rock Road.

Memorial contributions can be made to Washington University's Friends of Music, Campus Box 1032, St. Louis, MO 63130; to Young Audiences of St. Louis, 8045 Big Bend Blvd., Suite 100, St. Louis, MO 63119; or to the National Caregiving Foundation, 801 N. Pitt St., Suite 116, Alexandria, VA 22314.

Kamen, 89

Martin D. Kamen, one of the scientists who discovered radioactive carbon-14 and in doing so helped lay a foundation for deciphering the chemical processes in plants and animals, died Saturday, Aug. 31, 2002, at his home in Santa Barbara, Calif. He was 89. Kamen was a professor of biochemistry at the University from 1945-1957.

Campus Authors

Michael Wysession, Ph.D., associate professor of earth and planetary sciences in Arts & Sciences

An Introduction to Seismology, Earthquakes, and Earth Structure

(Blackwell Publishing, 2003)

Wysession

wichael Wysession, Ph.D., associate professor of earth and planetary sciences in Arts & Sciences, is coauthor of An Introduction to Seismology, Earthquakes, and Earth Structure.

His co-author is Seth Stein, Ph.D., professor of geological sciences at Northwestern University.

Wysession's expertise is the geophysics of the Earth's core-mantle boundary. He is the recipient of a Packard Foundation and National Science Foundation Presidential Faculty Fellowship for his research into the structure of the Earth's deep interior.

The book is an introduction to seismology and its role in the Earth sciences and is written for advanced undergraduates and beginning graduate students.

The fundamentals of seismic wave propagation are developed using a physical approach and then applied to show how refraction, reflection and teleseismic techniques are used to study the structure and composition and evolution of the Earth.

'It took five long years of labor, but it was worth it because there is no book equivalent to this in our field," Wysession said.

The 500-page work contains more than 1,300 equations, 600 figures and 180 homework problems, with the solutions and figures given on an encrypted Web page for instructors.

We based the pedagogical approach of the book after The Feynman Lectures on Physics," presenting

material in a handson, concept-oriented manner, said Wysession, who also noted that some universities in the United States and abroad already are using portions of the book available in a different format.

The text also addresses the fundamentals of seismometry and applications of seismology to societal issues. Special attention is paid to help students visualize connections between different topics and view seismology as an integrated science.

According to the publisher, An Introduction to Seismology, Earthquakes, and Earth Structure gives an excellent overview for students of geophysics and tectonics and provides a strong foundation for further studies in seismology.

— Tony Fitzpatrick

Washington People

rtists are working in Bob Hansman's studio, drawing portraits, printing woodcuts, honing skills and sharpening instincts. Hansman follows their progress, praising, cajoling, improvising designs and leading

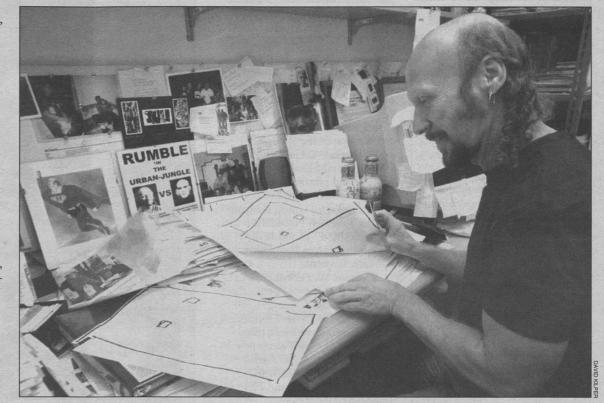
But this is no trendy loft or hi-tech commercial outfit. Since 1993, Hansman — associate professor and artist-in-residence in the School of Architecture has run City Faces, a small but nationally recognized arts education program based in St. Louis' Clinton-Peabody housing project.

The kids learn about problem solving, about delayed gratification, about breaking big problems into small component parts — all that metaphorical stuff," Hansman explained. "Drawing is a kind of a vehicle that gives us a chance to talk, a chance to shape each other's lives.'

Still, the projects are a hard place to grow up and, in close to a decade of mentoring, Hansman has witnessed too many tragedies.

In 1996, 17-year-old Jermaine Roberts, another City Faces mainstay, died of complications from sickle cell anemia. In 2000, graffiti artist Jonah Anderson, whom Hansman befriended through the annual Paint Louis festival, was beaten into a coma.

This summer started off with a kid getting killed, and then another one got killed and two got shot," Hansman said, voice filled with emotion. "I think a lot of programs come in and out fast enough that they get an artificial sense of success, but with time it's more humbling. You really get to see what you're up against, all these forces that act on the kids



Bob Hansman, associate professor in the School of Architecture, is renowned for his work both as an artist and as a community activist. (The "Super Bob" and "Rumble in the Urban Jungle" drawings at left are gifts from former students.) Last week, for the one-year anniversary of Sept. 11, Hansman participated in an all-school design forum/memorial to the World Trade Center attacks.

Perseverance personified

Having conquered cancer, Bob Hansman brings art education to at-risk kids

when you're not around." But if Hansman knows one thing, it's perseverance.

By LIAM OTTEN

Born and raised in Affton, Mo., Hansman frequently was bedridden as a child and remembers his own teachers stopping by the house to drop off assignments. He credits his mother, who died of breast cancer when he was 12, with nurturing his artistic abilities.

"My mom was one of those people who make art out of daily life," Hansman recalled. "Just wrapping presents, we'd build things, sculpt things on them the wrapping would be better than the presents."

In 1965, Hansman arrived at the University of Kansas, majoring in painting and drawing ("an era of masking tape and spray paint," he recollected) with concentrations in English and religious studies; he even began course work toward a teaching certificate. Yet, nagged by feelings of ill health, he briefly stopped attending classes, though he did complete his bachelor's degree in 1970.

Those ill feelings intensified after graduation, just as Hansman was resettling in Normal, Ill. Long hours in the University of Illinois medical library suggested malignant melanoma.

Sadly, doctors confirmed the self-diagnosis and, worse yet, discovered that the cancer had metastasized throughout his lymphatic system. Ironically, one of the world's top treatment programs was back at the University of Kansas Medical Center in Kansas City.

"I'm going home to die," Hansman remembers thinking. To the amazement of almost everyone, he didn't, and even today routine physicals will generate comments from surprised physicians.

"They're like, 'How are you here?' Hansman said. "Statistically, I hardly exist."

Yet despite rounds of surgery that left him unable to lift his arms, Hansman contin-

ued making art.

'I could still move my hands, so I did these little stipple-drawings, with pin-prick-sized dots of ink, he said. "It was like an obsession."

(Ultimately Hansman completed a pair of artists' books in the style: RATZO, dedicated to his lost cat, and Edward, for a disabled child.)

In 1974, finally well enough for outpatient therapy, Hansman returned to the St. Louis area and confronted a new dilemma: finding a job. In those days, "employers could still ask about your health history," he recalled, grimacing. "I'd go in, fill out an application and never get called back.'

After months of frustration, Hansman interviewed for a position at Unique Art Glass, a designer and manufacturer of stained-glass windows. Afterward, standing to shake hands, he realized that the owner was a polio survivor.

"I went home and I just ... I wrote a three-page letter saying, 'You of all people should know that you can have physical disabilities and still be a functioning human being and, dammit, hire me!' Hansman recounted. "A couple of days later, I got a phone call and he goes, 'Got your letter. Can you be here at noon?"

Over the next 11 years, Hansman went from sweeping floors to heading the art department major projects included the Missouri Baptist Hospital Chapel and the Anheuser-Busch Tourist Center — and he still maintains a busy free-lance practice. He also began building a substantial graphic-design portfolio, including logos for Vintage Vinyl, Riverport Amphitheater and the St. Louis Black Repertory Company.

But in 1985, life took another turn when a close

friend committed suicide. Hansman was devastated and did not enter the studio for months. Then, exactly one year later, he started working again. With a

"Bob is a person of great talents and great conscience. Students arrive believing that architecture is simply about designing wonderful individual buildings for people who can afford them. Bob introduces the complexities and the ethical dimensions of architecture in the total environment."

CYNTHIA WEESE

vengeance. It was like, 'round the clock," he recalls. "I had paper ringing the bed, in the bathroom, everywhere. I drew constantly, and it went on for 18 months."

Hansman threw everything at those drawings graphite, ink, colored pencil and woodcut filtering layers of personal, religious and political iconography. In 1990, he exhibited 14 large "Stations of the Cross" at the MFJ Arts Gallery in downtown St. Louis, each harrowing yet exquisitely crafted image centered on a lone, tormented figure.

In one example, a powerfully built yet headless nude stands silhouetted before a night landscape, one hand clutching a stuffed rabbit, the other a dagger. Airplanes fall in the distance, resembling tiny crucifixes, while streams of handwritten working titles provide journal-like intimacy.

Notices were strong, but Hansman — drained and needing a change — packed his bags for Seattle, where he planned to open a stained-glass shop and perhaps return to school. He never got there.

At the behest of Jim Harris, professor and thenassociate dean of architecture (and a reviewer for the St. Louis Post-Dispatch), Leslie Lasky, now professor emeritus, offered Hansman a job teaching drawing and basic design.

"It was a funny conversation," Hansman recalled. "Leslie asked me where I was going to be in a year and I said Seattle, and he said, 'No, you'll be at Washington University.' And I said, 'I can't afford Washington University." To which Lasky responded, "I don't mean as a student, I mean as a teacher!"

Hansman was overwhelmed by the poetic symmetry: His lost friend had trained as an architect and worked at the Campus Store in Mallinckrodt Student Center.

"Not only did this fulfill my long-lost dream of

being a teacher, it did so through the drawings I'd done for (him), at the university where he worked, and at the architecture school, which was (his) love," Hansman explained, growing subdued. "I understood I'd been given a great gift and that I'd better handle it right.'

By any standard, he has. Granted tenure last spring, Hansman received the Student Union Professor of the Year Award for Architecture in 1998-99; the Emerson Electric Excellence in Teaching Award in 2000; and a Founders Day Distinguished Faculty Award in 2001.

He has co-taught courses through the George Warren Brown School of Social Work's Urban Family and Community Development Program; served as faculty sponsor for the local chapter of the National Organization of Minority Architecture Students; and directed architecture's Hewlett Program, a kind of crash-course for freshmen on the relationship between building and community.

"Bob is a person of great talents and great conscience," said architecture Dean Cynthia Weese. Students arrive believing that architecture is simply about designing wonderful individual buildings for

people who can afford them. Bob introduces the complexities and the ethical dimensions of architecture in the total environment."

Hansman's own commitment to community dates back to college. In 1970, as a campus civil rights and anti-war activist, he was attacked by members of the Ku

Klux Klan. The morning he filed charges, his

lawyer's office was pipe-bombed. In 1992, Hansman was giving informal drawing lessons to kids in his neighborhood when Christine Ivich, of the St. Louis Artists' Coalition, arranged for him to teach a pair of summer workshops. A year later, City Faces was launched with support from the Center of Contemporary Art and the Guardian Angel Settlement Association. The program has since earned citations from the White House, the Missouri House of Representatives and Colin Powell's America's Promise campaign, among

Hansman's greatest reward, though, is symbolized by the "Hansman Family" T-shirt that enjoys pride of place in his Givens Hall office. The shirt is a Father's Day present from Jovan Hansman, an early City Faces member and the artist's recently adopted son.

We really connected," Hansman said simply. "Sometimes we're father and son, sometimes we're student and teacher, sometimes we're friends — I think any parent understands that.

"I don't even think of this as a program anymore - it's my life," he mused. "It's just trying to make the deepest and best impression you can, knowing that there's going to be some failure. You don't do this for success; you almost have to do it for stub-

"Most of the really wonderful things in my life have grown out of great tragedy," Hansman added. "No matter how awful something is, a part of me is thinking, 'What good will come from it?' But you can't figure it out in advance.

"A door opens, and you walk through it or

you don't."

Bob Hansman

Family: Son, Jovan Hansman Education: Bachelor of fine arts, University of Kansas

Award highlights:

- 2001, Washington University Founders Day Distinguished Faculty Award
- 1999, honoree, Colin Powell's America's Promise campaign
- 1997, inducted, Omicron Delta Kappa, The National Leadership Honor Society
- 1997, Missouri House of Representatives Resolution No. 161
- 1997, Missouri Arts Award, Missouri Arts Council
- 1996, citation, Coming Up Taller: Arts and Humanities Programs for Children and Youth at Risk, the President's Committee on the Arts and the Humanities