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Record

Oct. 25, 2002

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Washington University in St. Louis

Science briefing hosted by University

Annual gathering seeks to enhance reporting & improve relationships

By TONY FITZPATRICK

More than 140 science writers, scientists and science journalism educators from America and Canada will be attending the 40th Annual New Horizons in Science Briefing Oct. 27-30 at The Ritz-Carlton in Clayton, the Charles F. Knight Executive Education Center and other locations on the Hilltop and Medical campuses.

Washington University is the

host for the event, an ongoing program of the Council for the Advancement of Science Writing (CASW), a New York-based, non-profit educational corporation run by distinguished journalists and scientists to increase public understanding of science.

The annual briefing helps enhance the quality of medical and science reporting and improve the relationship between scientists and the press. The purpose of the briefing is to keep sci-

entists and science communicators educated about science and medical topics that will be newsworthy in the near future.

Among the attendees will be award-winning science reporters from *The Dallas Morning News*; *Newsday*; *The Washington Post*; *The New York Times*; *The Toronto Star*; *The Christian Science Monitor*; *Popular Science*; *Popular Mechanics*; *Business Week*; *The San Francisco Chronicle*; *U.S. News & World Report*; *Science*; *The Blade of Toledo, Ohio*; the *St. Louis Post-Dispatch*; the national bureau of The Associated Press; and the Knight Ridder and Reuters news bureaus.

They will mingle with some of the nation's top free-lance writers, authors and public-information specialists from universities and prominent laboratories.

Stories are filed on-the-spot, interviews are conducted between sessions, notes and manuscripts are kept for future articles and reference — all part of New Horizons' effort to bring journalists and scientists together.

The event has been hosted every fall since 1963 at a different university across the United States.

"The New Horizons Briefing returns to Washington University after a wonderful experience here

in 1993," said Ben Patrusky, executive director of CASW and a free-lance writer from New York City, who is in his 28th year of developing and directing the briefing. "CASW always looks for institutions with a strong commitment to science and an abundance of science talent. Washington University certainly exemplifies that kind of university. It's a pleasure to return.

"The briefing is designed to present a tantalizing, broad array of new science initiatives and discoveries in diverse fields ranging from biomedical science to cosmology. Our intent is to provide

See Conference, Page 6

Employee discounts abundant

Voluntary benefits also available online

By ANDY CLENDENNEN

So you're going out of town for a much-needed vacation, and you're looking for the best available deals.

First, you should visit the University's Office of Human Resources benefits Web site. There, you can find a comprehensive list of vendors who offer University faculty and staff discounts on a variety of services.

Need to get to Florida? American Airlines will give you a discount.

How about a rental car for those times you aren't hanging out on the beach? Five major car rental firms offer cut rates.

Several other services are offered as well. Employees can receive discounts on everything from home appliances to wireless communications services; from computer products to floor coverings; from airport parking to hotel accommodations.

And if you can't find anything that suits your needs there, the University has entered into an agreement with YouDecide, a voluntary benefits Web site (youdecide.com) that offers benefits not typically associated with any of the University's primary benefits.

These benefits are provided at no cost to the University or the employee. Voluntary benefits are intended to provide the employee with discounts for purchases of services in the following platforms: auto and home insurance, auto and home financing, financial planning, legal insurance and pet insurance.

"We wanted to offer a great value-added voluntary benefits program to our most valuable asset — our faculty and staff," said Tom Lauman, director of benefits in human resources. "Offering this

See Benefits, Page 6



Thai TAP tutorial Rebecca Fushimi (second from left), graduate student in materials science in the School of Engineering & Applied Science, explains the workings of the TAP-2 reactor system to students and professors from three Thai universities and colleges at the Particle Chemistry Laboratory in Urbauer Hall. The visitors from Thailand have purchased a TAP system and recently spent time at Washington University learning how to use it. The TAP-2 system, developed and patented by John Gleaves, Ph.D. (third from left), associate professor of chemical engineering, is a unique, millisecond system for testing catalytic activity in nonsteady state regimes. Gleaves and Gregory Yablonsky, Ph.D. (far left), research associate professor in chemical engineering, are hoping to establish long-term collaborations between Thai and American chemical engineering catalysis experts. Seated at right is Phungphai Phanawadee, D.Sc., assistant professor of chemical engineering at Kasetsart University, who earned his doctorate at Washington University.

Fisher to head national programs for Robert Wood Johnson Foundation

By JIM DRYDEN

Edwin B. Fisher, Ph.D., professor of psychology and of medicine, has been selected to direct two newly created national programs for the Robert Wood Johnson Foundation, the largest U.S. foundation devoted to improving the health and health care of all Americans.

Both programs will be coordinated in the School of Medicine's Diabetes Research and Training Center (DRTC) and Division of Health Behavior Research and will support projects to improve diabetes prevention, self-management and treatment.



Fisher

Although medical advances have greatly enhanced its treatment, individuals with diabetes remain responsible for managing their disease every day of their lives.

"Advancing Diabetes Self-Management," a \$3.2 million program, will provide up to six 15-month grants to demonstrate and evaluate improved ways of integrating multicomponent diabetes self-management programs into primary care settings.

The second program, "Building Community Supports for Diabetes Care," will offer up to eight 12-month grants totaling \$3.1 million to develop and evaluate partnerships among health provider organizations and other community groups to encourage and reduce barriers to diabetes management in people's daily lives.

See Fisher, Page 3

Homecoming, Parents Weekend open houses, events Oct. 25-27

By NEIL SCHOENHERR

Parents Weekend 2002 will take place Oct. 25-27. The event is being held in conjunction with Homecoming and will feature several new additions this year.

For Parents Weekend, registration and check-in begins at 8:30 a.m. today at the Office of Orientation and Parents Weekend Programs in the Women's Building. Parents are then invited to join their son or daughter in class or to visit a variety of other classes throughout the day.

Health Fair 2002 will take place in Mallinckrodt Student Center from 9 a.m.-3 p.m. today. The fair allows parents and students to collect information and talk to experts about a wide

range of health-related topics.

The Freedom Papers will be the topic of discussion during a lecture from 11 a.m.-noon today in Louderman Hall. American Culture Studies in Arts & Sciences faculty, students and alumni will discuss the writings of 280 enslaved African-Americans in Missouri who sued for their freedom in the decades before the Civil War.

Chancellor Mark S. Wrighton will present "Enhancing the Student Experience" from 10-11 a.m. Oct. 26 in the Arts & Sciences Laboratory Science Building, Room 300. He will discuss what the University is doing to enhance the educational experience of undergraduate students, including new programs and new buildings.

See Parents, Page 6

Olin Library Level B reopens after complete renovation

Olin Library's Level B recently opened to the public after a comprehensive renovation that greatly improved its appearance and functionality.

Level B is the first floor to be renovated as part of Olin Library's comprehensive renovation of all five levels and the expansion of its main level.

Scheduled for completion in mid-2004, the renovated library will feature improved user spaces, a cyber café, a 24-hour study space and many other beneficial changes.

Level B is two floors below the main level. It currently houses government documents, history and social sciences collections, the Islamic studies collection, all folios and oversized books regardless of discipline and various library offices.

Visitors to Level B will find numerous improvements. For example, movable compact shelving has been installed to accommodate many more books, an important feature as the library expands its collections. Also newly installed are lights that cast a warmer, brighter light.

Graduate students can study in any of three graduate group study rooms on the west side of this level. Faculty studies run all along the south wall and face rows of lockers that can be assigned to faculty members or graduate students who rely heavily on the library's resources.

Wooden day lockers located near the restrooms may be used by any visitor to the library. Both types of lockers are new and much-desired features in Olin Library.

Though Level B is open, minor work continues during daytime hours, and a few major changes are yet to come. The furniture now on Level B will be replaced with new furniture in

Some displaced books return

When renovation to Olin Library began, some books were moved temporarily to West Campus Library. Now all the books displaced from Olin Library have been brought back, except those with call numbers beginning with F, G or H.

This last group of books should be back in Olin Library by late December.

Any future movement of collections will take place within Olin Library and will not require relocating books to outside locations.

late spring.

New signs will be installed, and the Gellhorn Lounge will be reinstalled in the lobby of the main staircase.

Elsewhere in Olin Library, renovations to Level A are shaping up fast, said Virginia Toliver, associate dean of University Libraries. That level should open before the start of spring semester, she said.

"Level A will be home to a technology center that will bring many of the latest computing capabilities to a central location where students and faculty can work on sophisticated computing and digitization projects," Toliver said. "This level also will house books, multimedia, the Islamic studies collection and reading areas, faculty carrels and study rooms."

For more information about the renovation, visit www.library.wustl.edu/renovation. Questions or comments should be e-mailed to renovation@library.wustl.edu.



Baker professorship In a ceremony in Holmes Lounge in Ridgley Hall Oct. 14, Rebecca Treiman, Ph.D. (center), was installed as the inaugural Burke & Elizabeth High Baker Professor in Child Developmental Psychology in Arts & Sciences. The chair is the gift of Elizabeth High Baker (left), a 1940 alumna and longtime benefactor of Arts & Sciences. She and her late husband shared an interest in the improvement of children's lives. At right is Edward S. Macias, Ph.D., executive vice chancellor and dean of Arts & Sciences.

'No-tolerance construction'

Architecture seminar aims to achieve perfection

BY LIAM OTTEN

Nothing looks simpler than perfection.

Tadao Ando's Pulitzer Foundation for the Arts, which opened last year at 3716 Washington Blvd., boasts some of the most elegant and most exacting craftsmanship imaginable.

Two precisely proportioned, light-filled wings — constructed with the architect's signature material of concrete — frame a central courtyard and reflecting pool in crisp, clean lines, with corners sharp as knife blades and walls as smooth to the touch as polished stone.

Of course, perfection isn't easy, as students in the School of Architecture's "Constructing Ando" seminar have come to appreciate. This semester, Peter Clarkson, adjunct professor and construction manager for the Pulitzer Foundation, is taking his class step-by-step through the process of the building's creation, from pre-design to drawing board to finished product.

"We call this 'no-tolerance construction' because everything has to be absolutely perfect," said Clarkson, who has worked with Ando since the mid-1990s and built the architect's first structure in the United States, the Eychaner/Lee House in Chicago. "What I'm trying to show are the

steps you have to go through to achieve that.

"It's very, very difficult, and very different from normal construction," Clarkson continued. "You can't go back and adjust things, and you can't hide mistakes with a baseboard or molding or a doorframe. Ando's architecture wants those straight lines. Something is either right or it's wrong."

To build the Pulitzer Foundation, Clarkson helped train local contractors to meet Ando's famously rigorous standards — one observer described it as a "master class for tradespeople" — and supervised construction of some 200 individual concrete wall "segments," each measuring 10 inches thick by 24 feet high and 12 feet wide.

On a more modest scale, Clarkson recently drilled his six graduate students in some of the techniques for making "Ando concrete" — building the "forms," or molds; blending, pouring and smoothing the wet mixture; and critiquing final results.

Working in a semi-renovated industrial space just across the street from the Pulitzer, students spent three weeks crafting a single 5-foot-by-3-foot section.

The class began by preparing the form, a box-like assemblage of plywood and steel tie-rods. Because even the smallest leak or

air pocket can cause distortion or discoloration, painstaking carpentry is of the utmost importance — joints need to be solid, planes need to be impeccably straight, and the entire structure is sealed watertight.

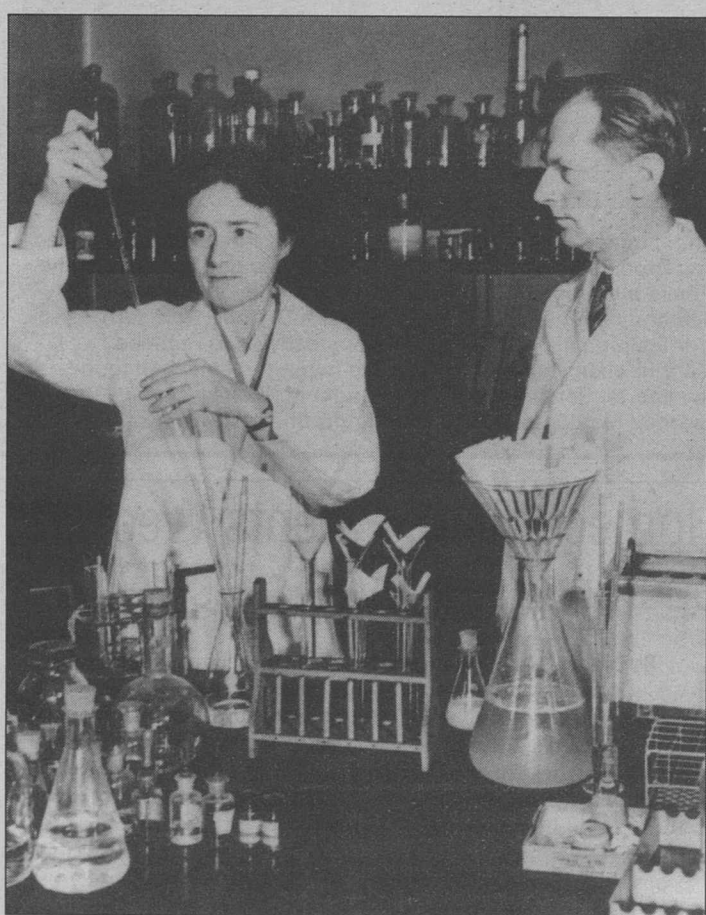
To achieve that final, glass-like sheen, interior-facing plywood is coated in a slick resin washed in a layer of "form oil," a fatty substance that chemically reacts with the concrete to create a kind of soap, which then helps the plywood release from the finished wall.

Steve Morby, former general superintendent and now facilities manager for the Pulitzer Foundation, helped students fabricate parts for the form, which they then built on-site. They later mixed the wet concrete, using the same "recipe" of all-local ingredients developed for Pulitzer.

After a brief lesson in the proper method for checking viscosity, students began loading wheelbarrows, filling the mold and operating the "concrete vibrator," a long, rope-like piece of equipment (think of a heavy fire hose) that smooths out lumps and "pushes" the wet mixture tightly into seams and corners. (Ando concrete is vibrated about four times longer than the typical variety.)

See **Concrete**, Page 5

PICTURING OUR PAST



Gerti and Carl Cori won the 1947 Nobel Prize in physiology or medicine for their discovery of the course of the catalytic conversion of glycogen. In layman's terms, they isolated the enzyme that starts the conversion of animal starch to sugar. The Coris joined the University faculty in 1931. Gerti was the first American woman to win the Nobel Prize. The Coris weren't the only successful researchers in their lab; in the ensuing years, six future Nobel laureates worked in the Cori lab early in their careers.



Washington University will be celebrating its 150th anniversary in 2003-04. Special programs and events will be announced as the yearlong observance approaches.

Department of Women's Studies takes new name

BY ANDY CLENDENNEN

The Department of Women's Studies in Arts & Sciences has a new name. It is now the Department of Women and Gender Studies.

Linda J. Nicholson, Ph.D., the Susan E. and William P. Stiritz Distinguished Professor of Women's Studies and History in Arts & Sciences, and director of Women and Gender Studies, proposed the name change in January after a discussion of this issue by the executive committee of the program.

Nicholson and the other members of the committee saw this name change as a reflection of both the times and the changing curriculum within

the department.

"Many scholars have come to recognize that understanding women's lives requires a focus on men's lives as well; they have thus come to make prominent the analytic category of gender," Nicholson wrote in her proposal.

"This recognition is reflected at Washington University in the fact that the program here now offers such courses as 'Local Genders, Global Transformations'; 'Topics in Gender and Judaism: Gender and Sexuality in Judaism'; 'Gender and Labor Politics in East Asia'; and 'Gender and Citizenship.'"

"Moreover, Women's Studies scholars have also been examining the specificities of men's lives and experiences. The curriculum

at Washington University includes the courses 'Masculinities' and 'Men in Relationships.'"

While there isn't a change in philosophy within the department, and the courses will remain the same, the name change reflects a wider acceptance of the encompassing nature of the program here and at other top colleges and universities.

Both Northwestern University and the University of Chicago's departments are simply "Gender Studies." Yale University's is "Women and Gender Studies"; Cornell University's is "Feminist Gender and Sexuality Studies"; and Rice University's program is "The Program for the Study of Women and Gender."

School of Medicine Update

Deadly instincts

Natural killer cells respond rapidly to viral protein

By DARRELL E. WARD

Similar to the spider-like robots in the movie *Minority Report* that scan human eyes in search of their suspect, natural killer cells in the immune system travel the body hunting for signs of viral infection, according to School of Medicine researchers.

The team found that these natural killer (NK) cells are wired to detect a unique protein on the surface of infected cells. The protein activates NK cells, which then attack and destroy the infected cells within six hours.

The findings, which were published in a recent issue of the *Proceedings of the National Academy of Sciences*, also led investigators to what may be a cache of viral stealth weaponry and a new strategy for treating cancer.

"Our findings provide a glimpse of what triggers NK cells early in a viral infection, something that has been poorly understood," said study leader Wayne M. Yokoyama, M.D., the Sam J. Levin and Audrey Loew Levin Professor of Research in Arthritis, professor of pathology and immunology, and investigator of the Howard Hughes Medical Institute.

"We found that a sizeable proportion of NK cells respond to this viral protein within hours, far faster than the several days it takes the other and larger body of immune killer cells, called T cells, to mount a response."

NK cells are the immune system's initial strike force that work

to hold off the invading virus until the army of T cells can be mustered to fight and control the infection.

In addition, NK cells are known to recognize and destroy certain kinds of tumor cells and to play a role in bone marrow transplant rejection, said Yokoyama, who also is a member of the tumor immunology program at the Alvin J. Siteman Cancer Center at the School of Medicine and Barnes-Jewish Hospital.

Yokoyama's team studied mice infected with murine cytomegalovirus (MCMV). In research published last year in the journal *Science*, Yokoyama's team found that NK cells detect MCMV-infected cells using a molecular detector, or a receptor, on their surface.

Mice with NK cells that lacked the receptor were unable to control the virus and died.

"The earlier study revealed that a particular activation receptor is involved in protection by NK cells," Yokoyama said. "Now we've discovered what that receptor sees."

To verify that the protein, known as m157, causes NK cells to destroy infected cells, the investigators transferred the protein into a line of tumor cells not normally recognized by NK cells. The immune cells killed the tumor cells.

"Perhaps someday we can exploit this ability and harness the power of NK cells to eradicate tumors or control other kinds of infections," Yokoyama said.

The investigators also found

that m157 originates in the virus and not in the infected cell. For clues about the function of the protein, they used a special computer program that predicts the final shape of the protein based on its sequence of amino acids.

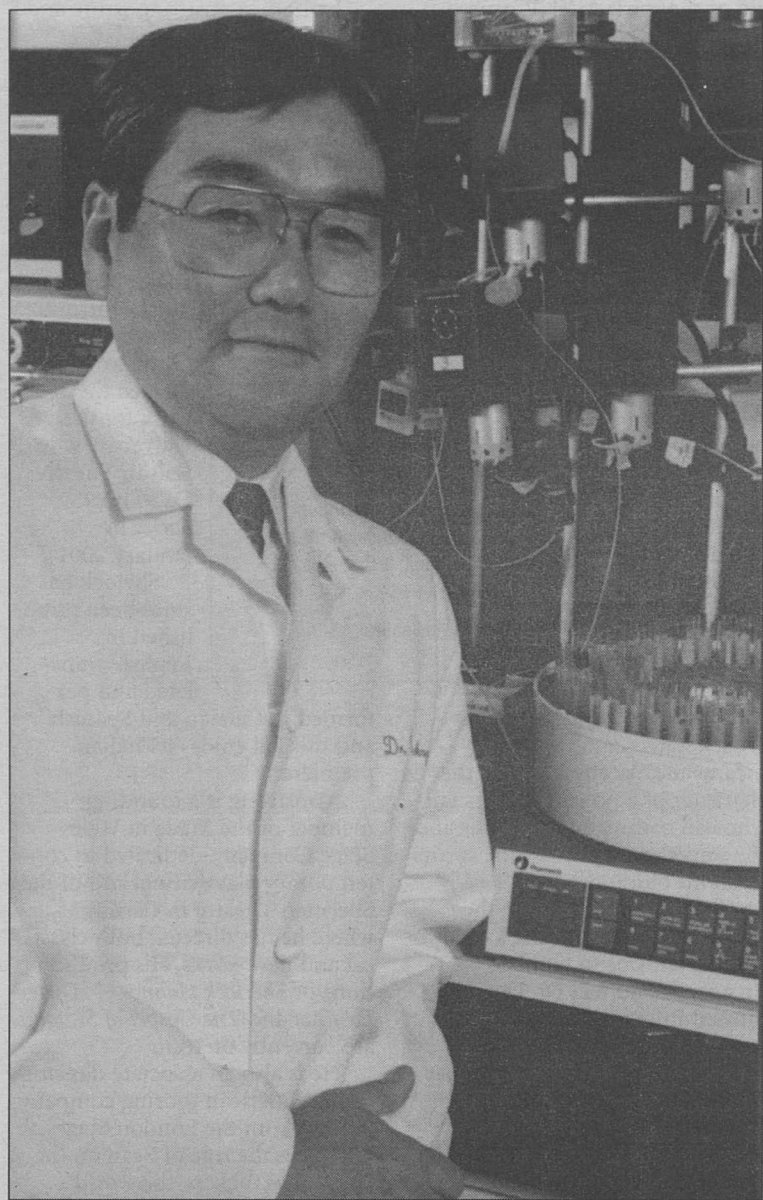
To the researchers' surprise, the protein appeared to mimic the shape of a cellular molecule known as major histocompatibility complex (MHC) class I. The virus also had 12 other proteins that mimic MHC class I molecules.

MHC class I molecules are molecular flags that tell immune cells whether cells in the body are healthy or infected. The molecules that mimic MHC class I, including m157, also are produced by the MCMV-infected cell for the virus and presumably are displayed on the cell's surface.

"The question is what do these molecules do for the virus?" Yokoyama said. "Are they also detected by NK cells, or are they involved in evading the immune system?"

To date, the only known function of such molecules is to help viruses evade detection by T cells, he explained. The discovery that MCMV has so many molecules that mimic MHC class I suggests that the immune system may use receptors on NK cells as a general mechanism to respond to certain viruses.

"Perhaps there are proteins like m157 in other viruses that are detected by related kinds of receptors in the body," Yokoyama said, "not only in mice but perhaps in humans as well."



Wayne M. Yokoyama, M.D., and his team found that NK cells are wired to detect a unique protein on the surface of infected cells.

Depression study needs volunteers

By JIM DRYDEN

Investigators in the School of Medicine seek volunteers to participate in a research study for forms of depression that do not respond to standard treatment.

Depression is the most common of all psychiatric illnesses, affecting about 15 percent of all people at some point in their lives. It has enormous economic consequences — treatment, hospitalization and lost work time cost the U.S. economy about \$20 billion every year.

"Most depressed people respond well to antidepressant drugs," said Keith E. Isenberg, M.D., the Spencer T. Olin Professor, associate professor of psychiatry and principal investigator of the study. "But some people don't respond, so we're testing whether a combination of drugs might help them."

Isenberg and colleagues first will evaluate volunteers to ensure they meet the official diagnostic guidelines for recurrent major depressive disorder.

Then, to determine whether their depression is resistant to standard treatment, study volun-

teers with recurrent depression will be placed on the antidepressant drug fluoxetine (Prozac) for eight weeks.

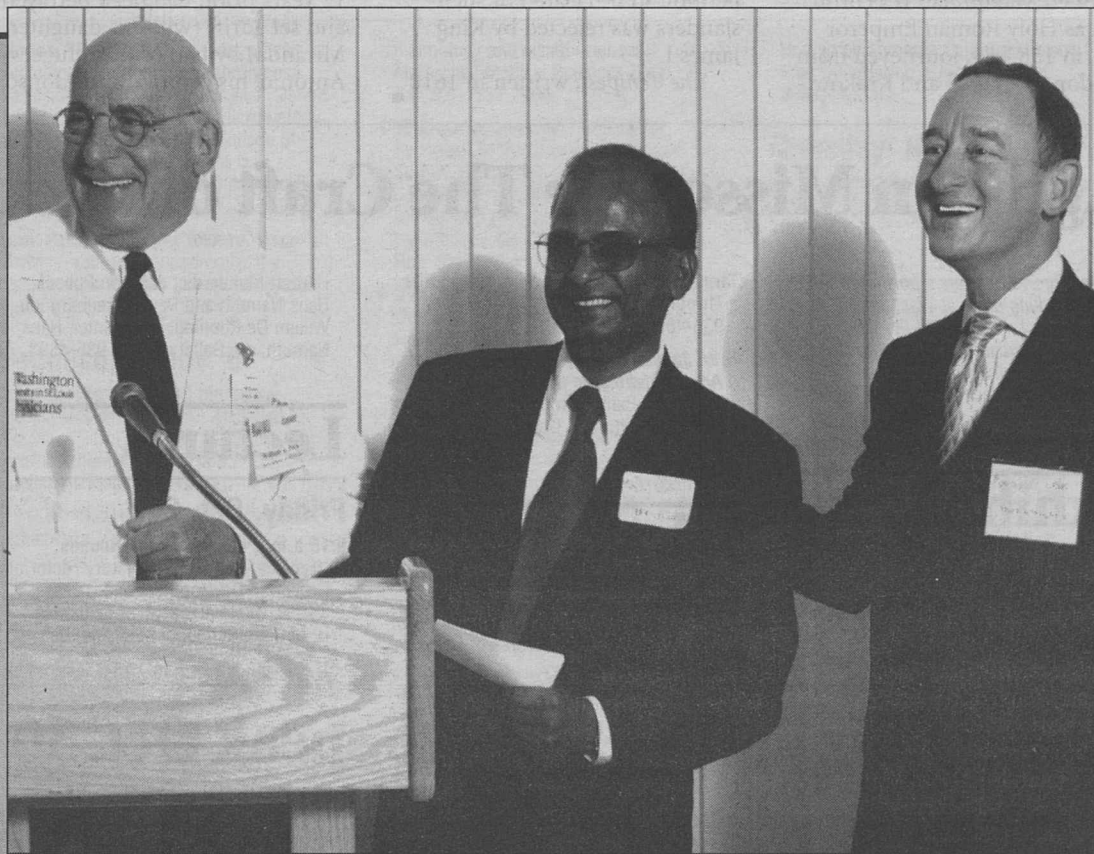
Patients who still are depressed after treatment will be randomly placed into one of three groups. One group will continue to receive fluoxetine. A second group will receive the medication olanzapine (Zyprexa) and the third group of study volunteers will receive a combination of both drugs.

To be eligible, participants must be at least 18 and have recurrent depression. Participants will receive free screenings, a physical exam, an EKG, laboratory tests and study medication.

All medical procedures will be paid for by Eli Lilly and Company, the study sponsor, and patients will be reimbursed for parking.

Subjects will be seen once a week for 26 weeks. Investigators will draw blood several times during the study. Volunteers may choose to allow their DNA to be examined as part of the study, but it is not required.

For more information, call Dana Downs at 362-5227.



A gem of an idea (From left) William A. Peck, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine, D.C. Rao, M.D., director of the Division of Biostatistics and GEMS program director, and Chancellor Mark S. Wrighton celebrate the recent inaugural reception of the GEMS (genetic epidemiology master of science) program at the Bernard Becker Medical Library. The primary goal of the GEMS program is to offer training in the field so that graduates can pursue research and industry jobs.

Fisher

Programs support projects to improve diabetes

— from Page 1

Calls for proposals for both programs on the foundation's and program office's Web sites netted more than 300 applications from groups around the country.

"We solicited grant requests from primary care provider organizations and community groups to test innovative

approaches to self-management and community support for diabetes management," Fisher said. "Currently, we are evaluating the proposals and over the next few months we anticipate funding 14 projects."

Fisher also is head of the Division of Health Behavior Research in the Departments of Pediatrics and Medicine and head of Prevention and Control Research in the DRTC and the Alvin J. Siteman Cancer Center at the School of Medicine and Barnes-Jewish Hospital. The two Robert Wood Johnson Foundation Programs will fund an ini-

tial group of projects that continue into 2004. Based on the findings from these grants, the Diabetes Initiative expects to fund a second round of multi-year projects in the future.

"We are extremely pleased and honored to be chosen to coordinate these programs for such an outstanding foundation," said William A. Peck, M.D., executive vice chancellor for medical affairs and dean of the medical school. "This award recognizes the excellent research in diabetes prevention, treatment and adherence that Ed Fisher and his colleagues have conduct-

ed over the years and reflects the role of Washington University as a first-rate institution not only in basic research but also in health behavior research."

Over the past three decades, the Robert Wood Johnson Foundation has supported the University through its Minority Medical Faculty Development, Substance Abuse Policy Research, Health Services for High-Risk Young People, Health Policy Fellowships, Addressing Tobacco in Managed Care and ambulatory preventive medicine programs.

The foundation's grant efforts

focus on four goal areas: To ensure that all Americans have access to basic health care at reasonable cost; to improve care and support for people with chronic health conditions; to promote healthy communities and lifestyles; and to reduce the personal, social and economic harm caused by substance abuse, such as tobacco, alcohol and illicit drugs.

In addition to the new Diabetes National Program Office, the foundation currently funds the University's Faith in Action and Generalist Physician Faculty Scholars programs.

University Events

Shakespearean actor Armstrong in one-man *Doctor Prospero*

BY LIAM OTTEN

"Good writers borrow; great writers steal." The adage seems written for William Shakespeare, who based *The Winter's Tale* on a story by Robert Greene; *Macbeth* on a history by Raphael Holinshed; and *Romeo and Juliet* on a long poem by Arthur Brooke, to name just a few.

For the character of Prospero, the wizened magician whose thirst for vengeance powers *The Tempest*, a likely model is John Dee (1527-1609), personal philosopher and astrologer to Elizabeth I.

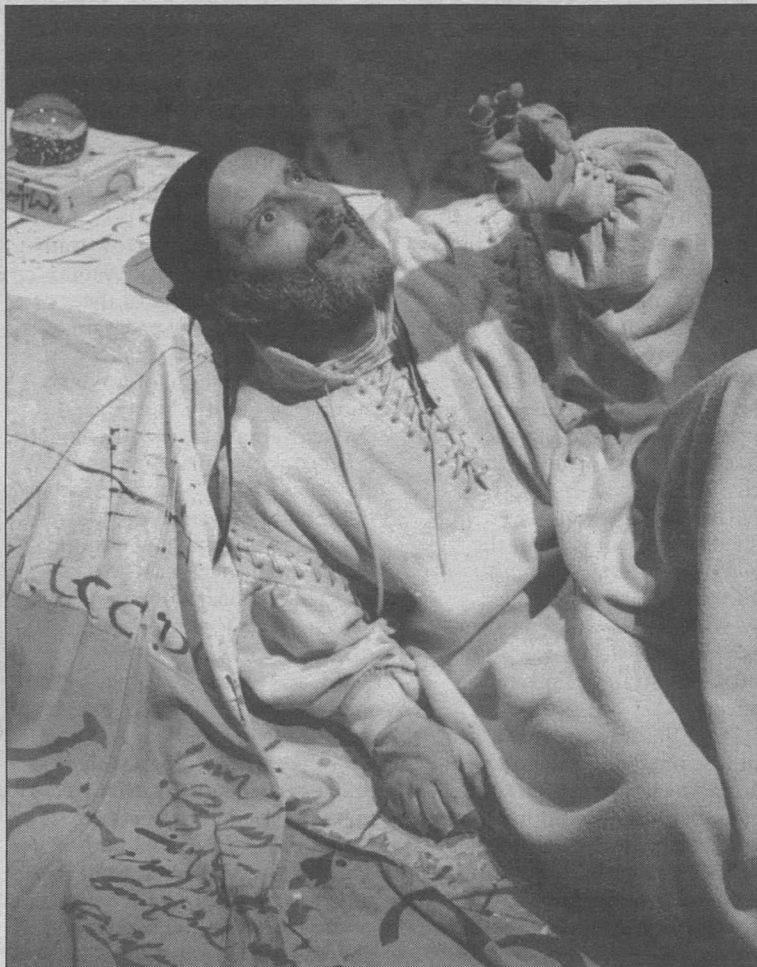
Next month, Welsh actor and director Gareth Armstrong will return to the University with *Doctor Prospero*, his latest one-man show, which portrays a hypothetical meeting between the Bard and the queen's enigmatic adviser.

The special, one-night-only performance begins at 8 p.m. Nov. 2 in the A.E. Hotchner Studio Theatre in Mallinckrodt Student Center.

The performance is sponsored by the Performing Arts Department, with additional support from the departments of English and Comparative Literature, all in Arts & Sciences.

One of the foremost British scholars and scientists of his day, Dee was the first to apply Euclidean geometry to navigation. He built a personal library that was the greatest in England and is supposed to have put a hex on the Spanish Armada.

He traveled widely and in exalted company: In 1563, he attended Maximilian II's coronation as Holy Roman Emperor and, in 1583-84, journeyed from London to Prague and Kraków



Welsh actor and director Gareth Armstrong will present Stephen Davies' one-man show *Doctor Prospero* at 8 p.m. Nov. 2 in the A.E. Hotchner Studio Theatre in Mallinckrodt Student Center.

with Polish Prince Albert Laski.

Yet in 1589, after a series of mysterious séances, Dee was exiled from the Holy Roman Empire and, destitute, began making his way back to Britain, where he was dogged by accusations of conjuring. In 1604, his petition to be cleared of such slanders was rejected by King James I.

The Tempest, written in 1610

or 1611, is the last of Shakespeare's stage works. The story centers on the mysterious Prospero, master of an enchanted island, who uses his powers to shipwreck a party of travelers.

Prospero, we learn, is the rightful Duke of Milan but, some 12 years prior, had been betrayed and set adrift (with his daughter, Miranda) by two of the refugees: Antonio, his brother, and Alonso,

the king of Naples. Now, with the aid of the spirit Ariel, Prospero orchestrates both the traitors' repentance and the marriage of Miranda to Alonso's son, Ferdinand.

Doctor Prospero, written by Stephen Davies, imagines a meeting between the great playwright, embarking on his final masterpiece, and the disgraced, elderly Dee, reduced to selling penny horoscopes. "(Dee) fears that he will be remembered not as a deep and Christian philosopher, but as a conjurer of demons and a trafficker with Satan," Davies explained in an artist's statement. The Bard, meanwhile, "needs to create the character of a powerful magician who can command the winds and the waves and summon the spirits to do his bidding."

"Will he be able to use the character and the arcane knowledge of Dr. Dee to build a Prospero? And will Dr. Dee find himself immortalized after all as a worthy Christian philosopher?"

Armstrong, a former member of the Royal Shakespeare Company, has performed Shakespeare in more than 30 countries worldwide, including title roles in *Richard III* and *Macbeth*, as well as a highly regarded performance as Shylock in the Salisbury Playhouse's *The Merchant of Venice*.

Other roles include Cassius in *Julius Caesar* and Oberon in *A*

Midsummer Night's Dream.

In 1998, Armstrong wrote and starred in his first solo play, *Shylock*, which explored a kaleidoscope of fictional and historic figures — Pontius Pilot and Adolf Hitler, Dracula and the

Wandering Jew — that have shaped our reading of Shakespeare's most controversial invention. (Armstrong performed the work for the University's Edison Theatre OVATIONS! Series in January 2001). Shylock has since been published in English, translated and per-

formed in Catalan and Spanish, and this fall enjoys its Italian premiere.

Armstrong is a founding member of the Made in Wales Stage Company, dedicated to contemporary playwrighting, and of the Sherman Theatre in Cardiff, where he has directed both classical and new works. His productions of *Sherlock Holmes* — *The Last Act* and *The Gospel of St. John* are currently on tour.

He is also an associate director of the American touring company Actors From the London Stage and plays the role of Sean on the BBC's *The Archers*, the world's longest-running radio serial.

Tickets are \$20 — \$10 for students and senior citizens — and are available through the Edison Theatre Box Office, 935-6543, and all MetroTix outlets. For further information, call 935-6543.

Aging in Missouri • The Craft of Poetry • Mastery and Monsters

"University Events" lists a portion of the activities taking place at Washington University Oct. 18-31. Visit the Web for expanded calendars for the Hilltop Campus (www.wustl.edu/calendar) and the School of Medicine (medschool.wustl.edu/calendars.html).

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. 925-4523.

Herbert Matter, dir.; Jackson Pollock, Hans Namuth and Paul Falkenber, dir.; Willem De Kooning, The Painter, Hans Namuth, dir. Gallery of Art. 935-4523.

Lectures

Friday, Oct. 25

9:15 a.m. **Pediatric Grand Rounds.** "Hypoxia — A Key Regulatory Factor of Growth in Development and Disease." Kurt R. Stenmark, prof. of pediatrics, U. of Colo. School of Medicine, Denver.

Films

Friday, Oct. 25

7 p.m. **Artists on Film.** Works of Calder,

Exhibitions

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

Best-selling author Sacks to speak Oct. 30

BY MARY KASTENS

Neurologist and best-selling author Oliver Sacks will deliver the CHIMES Lecture at noon Oct. 30 in Graham Chapel as part of the University's Assembly Series.

With such best-selling books as *The Man Who Mistook His Wife for a Hat*, *An Anthropologist on Mars* and *Awakenings* (which was made into a movie starring Robin Williams and Robert De Niro), Sacks is one of the world's most captivating storytellers. His books celebrate the humanity of those whose minds are imprisoned by a different consciousness.

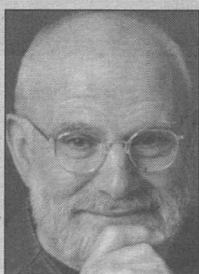
As a physician and a writer, Sacks is concerned above all with the link between body and mind, and the ways in which the whole person adapts to different neurological conditions.

Sacks is perhaps best known for his 1985 collection of case

histories from the far borderlands of neurological experience, *The Man Who Mistook His Wife for a Hat*.

In the fall of 2001, Sacks released his memoir, *Uncle Tungsten: Memories of a Chemical Boyhood*. It is a look back on Sacks' childhood in wartime London, revealing his early love of chemistry as the source of his lifelong scientific curiosity. His Assembly Series talk will focus on recollections of his rich and fascinating life.

Sacks was born in London and earned a medical degree in 1958 from Oxford University. In the early 1960s, he moved to the United States and completed his residency in neurology at the University of California, Los Angeles.



Assembly Series

Who: Oliver Sacks
What: CHIMES Lecture
Where: Graham Chapel
When: Noon Oct. 30

Since 1965, he has lived in New York, where he is clinical professor of neurology at the Albert Einstein College of Medicine. He is also a member of the faculty at New York University Medical Center and serves as a consultant to the Little Sisters of the Poor and Beth Abraham Hospital.

Although the Assembly Series lecture is free and open to the public, seating will be limited. Doors open at 11 a.m.

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

Clopton Aud., 4950 Children's Place. 454-6006.

Noon. Cell Biology & Physiology seminar.

"Dynamic Microtubules Establish the Cellular Axis of Fission Yeast." Fred Chang, asst. prof. of microbiology, Columbia U. McDonnell Medical Sciences Bldg., Rm. 426. 362-1668.

1 p.m. English lecture. "Colonialism and Liberalism in the Summer of 1682: John Locke, Carolina, and the Two Treatises of Government." David Armitage, prof. of history, Columbia U. Duncker Hall, Rm. 201. 935-5190.

2 p.m. Politics, Ethics & Society Seminar Series. Seyla Benhabib, Eugene Meyer Professor of Political Science and Philosophy, Yale U. Eliot Hall, Rm. 300. 935-5812.

3 p.m. Comparative Literature seminar. "Picture This: Staging the Visual Arts." Linda Hutcheon, prof. of English and comparative literature, U. of Toronto, and Michael Hutcheon, prof. of medicine, U. of Toronto. Women's Building Formal Lounge. (Reception follows.) 935-5170.

4 p.m. Music lecture. "The End of Music History." Arved Ashby, assoc. prof. of music, Ohio State U. Music Classroom Bldg., Rm. 102. 935-4841.

4 p.m. Neuroscience seminar. "Secreted SCN Factors and the Daily Regulation of Locomotor Activity." Charles Weitz, assoc. prof. of neurobiology, Harvard U. McDonnell Medical Sciences Bldg., Rm. 928. 362-7043.

Monday, Oct. 28

8 a.m.-5 p.m. Politics, Ethics & Society symposium. "Ethics of Genetic Testing for Dementia." Registration required. Chase Park Plaza, Khorassan Ballroom. 747-2981.

Noon. Molecular Biology & Pharmacology Research seminar. "Signal Integration During Retinal Development." Ilaria Rebay, assoc. prof. of biology, MIT. South Bldg., Rm. 3907, Philip Needleman Library. 362-0183.

Noon. Neurology & Neurological Surgery Research Seminar Series. "Neuroimaging of Normal Cognitive Development: Some Early Lessons from

fMRI Studies of Language." Brad Schlaggar, instructor in neurology. Maternity Bldg., Lvl. 1, Schwarz Aud. 362-7316.

4 p.m. Biology seminar. "Plasticity of the Auditory System in Adult Animals." Nobuo Suga, prof. of biology. Rebstock Hall, Rm. 322. 935-8635.

4 p.m. Immunology Research Seminar Series. "Redox Reactions in Antigen Processing." Peter Cresswell, prof. of immunobiology, Yale U. Eric P. Newman Education Center. 362-2763.

7 p.m. Architecture Monday Night Lecture Series. Cannon Lecture for Excellence in Architecture & Engineering. "Landscape as Medium." Laurie Olin, landscape architect, author. Steinberg Hall Aud. 935-6200.

Tuesday, Oct. 29

8:15 a.m.-noon. Center for the Application of Information Technology management focus session. "Managing IT in an Uncertain Economy." Val Sribar, META Group, & Rita Numerof, Numerof & Associates Inc. Open to CAIT members only. Eric P. Newman Education Center. 935-4792.

Noon. Molecular Microbiology and Microbial Pathogenesis Seminar Series. "HIV Entry Inhibitors: A New Therapeutic Option." Robert W. Doms, chair of microbiology, U. of Penn. Cori Aud., 4565 McKinley Ave. 747-2134.

Noon-1 p.m. Toastmasters communications seminar. Michael Lewis, Toastmasters Missouri Div. F Governor. 4480 Clayton Ave, Rm. 1140A. 362-7003.

4 p.m. Pain Center seminar. "Molecular Determinants of Vesicle Recycling at Hippocampal Synapses." Ege Kavalali, asst. prof. of basic neuroscience, U. of Texas Southwestern Medical Center at Dallas. Clinical Sciences Research Bldg., Rm. 5550. 362-8560.

7:30-9 p.m. Catholic Student Center discussion. "Meat and Potatoes of Catholicism." Rev. Gary Braun. Catholic Student Center, 6352 Forsyth. 935-9191.

Wednesday, Oct. 30

8 a.m. **Obstetrics & Gynecology Grand**

Irish author Carson to present at Writing Program Reading Series

By LIAM OTTEN

Irish author Ciaran Carson will read from his work at 8 p.m. today in the Ann W. Olin Women's Building for The Writing Program Reading Series. The reading is free and open to the public.

Carson is a major figure in contemporary Irish literature and, according to poet Charles Simic, "one of the best poets we have on both sides of the Atlantic."

Carson's next collection, *Breaking News*, is forthcoming in 2003. Other recent collections include *The Twelfth of Never* (1999) and *Selected Poems* (2001). A verse translation of Dante's *Inferno* is due out this autumn.

A flute player, Carson has written a book about traditional Irish music called *Last Night's Fun* (1998). Other works of prose include *Fishing for Amber* (2000), an abecedarian work combining personal memoir with myth and historical narrative; and the novel *Shamrock Tea* (2001).

"Among the remarkable gathering of six to eight Irish poets who will live into the next centuries — like the mid-19th century French poets or American Modernist poets — Ciaran Carson may be the most

selfless, the most eclectic and widely read, and the most wildly imaginative," says Dillon Johnston, director of The Writing Program in Arts & Sciences.

Carson's book *First Language* (1993) received the first-ever T.S. Eliot Prize (awarded for the best



Book reading

Who: Irish author Ciaran Carson
Where: Ann W. Olin Women's Building
When: 8 p.m. today
Admission: Free and open to the public

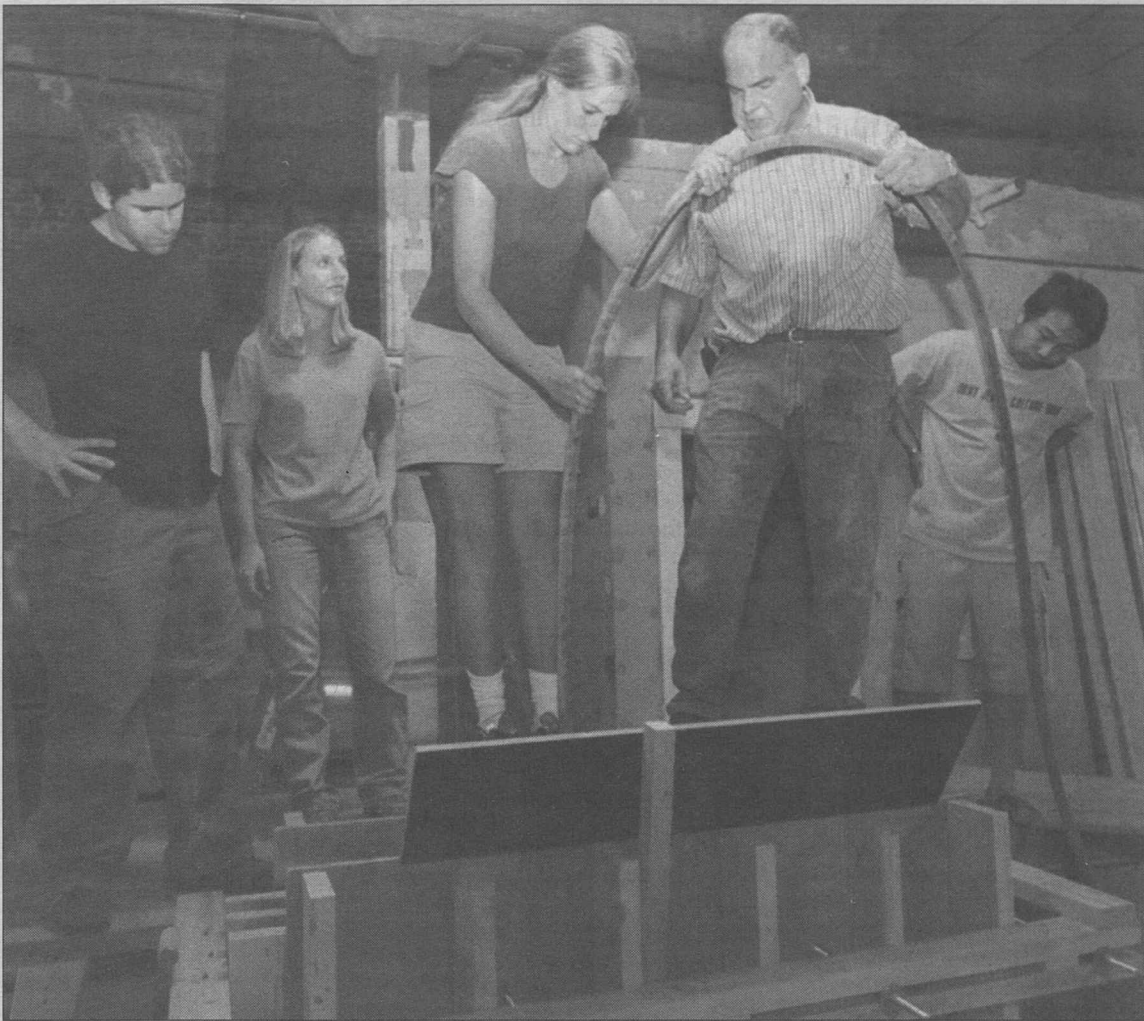
volume of poetry in the United Kingdom), and his *Belfast Confetti* (1989) was awarded the 1989 *Irish Times* Aer Lingus Irish Literature Prize.

In 2000, he received the Butler Literary Award for Poetry granted by the Irish American Cultural Institute.

Carson is a native of Belfast and learned Irish as his first language. A graduate of Queen's University, he served until recently as traditional arts officer for the Northern Irish Arts Council, working especially with traditional musicians. He lives in Belfast with his wife, the esteemed fiddler Deirdre Shannon, and their three children.

For more information, call 935-7130.

Ciaran Carson is a major figure in contemporary Irish literature and, according to poet Charles Simic, "one of the best poets we have on both sides of the Atlantic."



Steve Morby (second from right), facilities manager for the Pulitzer Foundation for the Arts, coaches School of Architecture student Kate Terry in the proper technique for mixing "Ando concrete." Looking on are other "Constructing Ando" seminar participants — (from left) Robert Lindgren, Lisa Drake and Kraisun Charubhan.

Concrete

Seminar emphasizes interconnectedness — from Page 2

The following week, plywood was stripped away and the class critiqued results.

"We found some of the same problems they came across during construction," master's candi-

date Robert Lindgren said. "(The texture) was smooth as could be, but some air got in and left discolorations at certain corners and around one or two of the tie holes."

Still, such shortcomings are the nature of apprentice work. Clarkson pointed out that the real lesson of the class — and, in a sense, of Ando's architecture — is the way it highlights the importance and interconnectedness of every job on the worksite.

Having done it themselves, stu-

dents develop a more visceral appreciation for the role played by every member of the construction crew, from contractor to subcontractor to laborers mixing and vibrating concrete.

Ultimately, building a building such as the Pulitzer "is all about teamwork, all about planning, about checking and rechecking," Clarkson said. "Mostly, it's about deciding to do it — about desire from everyone involved to achieve perfection."

Rounds. "The Evolution of Gynecologic Oncology." John Mikuta, Franklin Payne Professor of Gynecologic Oncology, U. of Penn., Philadelphia. Clopton Aud., 4950 Children's Place. 362-1016.

Noon. Assembly Series. CHIMES Lecture. Oliver Sacks, neurologist, author. Graham Chapel. 935-5285.

4 p.m. Biochemistry and Molecular Biophysics seminar. "The Use of Continuum Solvent Models in Biomolecular Simulations." David A. Case, prof. of molecular biology, Scripps Research Inst., LaJolla, Calif. Cori Aud., 4565 McKinley Ave. 362-0261.

4 p.m. Physics lecture. "Neutrinos: Windows Beyond the Standard Model." Pierre Ramond, distinguished prof. of physics, U. of Fla. (Coffee, 3:30 p.m., Compton Hall, Rm. 245.) Crow Hall, Rm. 204. 935-6276.

Thursday, Oct. 31

10 a.m. Religious Studies lecture. Gregory Fields, prof. of philosophy, Southern Ill. U. at Edwardsville. Lab Sciences Bldg., Rm. 300. 935-8677.

11 a.m. Pulmonary & Critical Care Medicine Grand Rounds. "New Insights into Allergic Bronchopulmonary Aspergillosis." Raymond Slavin, Prof. of internal medicine & microbiology, Saint Louis U. Medical Center. Barnes-Jewish Hosp. Bldg., East Pavilion Aud. 362-6904.

Noon. Genetics Seminar Series. "Segregating Complex Asthma Traits Using Viruses, Mice, and Humans." Michael J. Holtzman, Seldin Professor of Internal Medicine, prof. of cell biology & physiology, McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

1:10 p.m. George Warren Brown School of Social Work Lecture Series. "Aging in Missouri: Is Getting Older Getting Better?" Betty Sims, Mo. State sen. for Dist. 24. Brown Hall Lounge. 935-4909.

3 p.m. Engineering lecture. Mechanical Engineering Sesquicentennial Colloquium Lecture. "Afghanistan in the Golden Age." John Georgian, prof. emeritus of mechanical engineering. Cupples II Hall, Rm. 100. 935-4856.

4 p.m. Ophthalmology & Visual Sciences Seminar Series. "Hypoxia in the Ocular Lens: Doing the Can-Can." Richard McNulty, research assoc. in ophthalmology & visual sciences. McDonnell Medical Sciences Bldg., Rm. 928. 362-1006.

4 p.m. Religious Studies lecture. Weltin

Lecture. "The Image of the Invisible God in Early Christian Art." Robin Jensen, prof. of the history of Christianity, Andover Newton Theological School, Newton, Mass. McDonnell Hall, Rm. 162. 935-8677.

8 p.m. Writing Program Reading Series colloquium. Subject: the Craft of Poetry. David Lehman, poet and critic. Duncker Hall, Rm. 201. 935-7130.

Friday, Nov. 1

7:30 a.m.-4:55 p.m. Continuing Medical Education course. "Neurotherapeutics in the Elderly." (Also Nov. 2, 8:30 a.m.-noon.) Cost: \$155. Eric P. Newman Education Center. 362-6891.

8 a.m. Radiation Oncology lecture. Annual Carlos A. Perez Endowed Lectureship in Oncology. "Improved Outcomes in the Treatment of Lung Cancer." James D. Cox, prof. and chair of radiation oncology, M.D. Anderson Cancer Center, U. of Texas, Houston. Barnes-Jewish Hosp. Bldg., Steinberg Amphitheatre. 362-2866.

Noon. Politics, Ethics and Society lecture. "The Politics of Linguistic Individuality in Humboldt and Habermas." Gerald Izenberg, prof. of history. Eliot Hall, Rm. 300. 935-5812.

Monday, Nov. 4

Noon-1 p.m. Work, Families, and Public Policy Seminar Series. "Routine." Daniel Hamermesh, Edward Everett Hale Centennial Professor of Economics, U. of Texas, Austin. Eliot Hall, Rm. 300. 935-4918.

4 p.m. Immunology Research Seminar Series. "Initiation of an Autoimmune Response: Location is Everything." Paul Allen, Robert L. Kroc Professor of Pathology and Immunology. Eric P. Newman Education Center. 362-2763.

4:15 p.m. Classics colloquium. "Was Dido a Blond (e)?" Shelley Haley, prof. of classics, Hamilton College, Clinton, N.Y. Sponsored by African and Afro-American Studies and the Office of the Chancellor. Eads Hall, Rm. 103. 935-5123.

7 p.m. Architecture Monday Night Lecture Series. "Pietila in the Finnish Context." Raili Pietila, widow of architect Reima Pietila, and Aino Niskanen, chair of architecture, Helsinki U. of Technology, Finland. Steinberg Hall Aud. 935-6200.

Tuesday, Nov. 5

Noon. Molecular Microbiology and Microbial Pathogenesis Seminar

Series. "Regulation and Biosynthesis of Alginate in *Pseudomonas aeruginosa* Associated with Cystic Fibrosis." Dennis Ohman, prof. and chair of microbiology and immunology, Medical College of Virginia, Va. Commonwealth U., Richmond. Cori Aud., 4950 Children's Place. 286-2891.

4 p.m. Art of Biography lecture. Hazel Rowley, author. Sponsored by the International Writers Center. McMillan Hall Café, Rm. 115. 935-5576.

Wednesday, Nov. 6

4 p.m. Biochemistry and Molecular Biophysics seminar. "An Acid Test for Enzymes." Dr. T. Joseph Kappock, asst. prof. of chemistry. Cori Aud., 4950 Children's Place. 362-0261.

4:15 p.m. Classics lecture. "Against All Odds: Black American Women Classicists in the Nineteenth Century." Shelley Haley, prof. of classics, Hamilton College, Clinton, N.Y. Sponsored by African and Afro-American Studies and the office of the Chancellor. (Reception, 5:30 p.m., Gallery of Art.) Steinberg Hall Aud. 935-5123.

5 p.m. Politics, Ethics and Society lecture. Annual Daniel Bisno Memorial Lecture. "Is Medicine Still a Profession-And if so, Why?" Edmund D. Pellegrino, professor of medicine and medical ethics, Georgetown University. Eric P. Newman Education Center, Seminar Rm. B. 362-7012.

Thursday, Nov. 7

Noon. Genetics Seminar Series. "Germ Cells." Christopher Wylie, William Schuber Chair of Pediatrics, Cincinnati Children's Hospital Medical Center, Ohio. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

3 p.m. Basic Science Seminar Series. Timothy Bestor, prof. of genetics and development, Columbia U. Sponsored by the Siteman Cancer Center. Eric P. Newman Education Center. 454-8566.

3 p.m. Engineering lecture. Mechanical Engineering Sesquicentennial Colloquium Lecture. "A Brief History of Computational Fluid Dynamics and its Impact on the Analysis and Design of Air and Space Vehicles." Ramesh Agarwal, William Palm Professor of Engineering. Cupples II Hall, Rm. 100. 935-4856.

4 p.m. Ophthalmology and Visual Science Seminar Series. "Lens Fiber Cells: 'United We Stand.'" Valery I. Shestopalov, research asst. prof. of oph-

thalmology and visual sciences. McDonnell Medical Sciences Bldg., Rm. 928. 362-1006.

4:15 Classics seminar. "Anti-racist Pedagogy in the Classics Classroom." Shelley Haley, prof. of classics, Hamilton College, Clinton, N.Y. Sponsored by African and Afro-American Studies and the office of the Chancellor. Eads Hall, Rm. 204. 935-5123.

5 p.m. Art History & Archaeology lecture. "Mastery and Monsters: John Ruskin and Primitivism." Frances Connelly, assoc. prof. of art history, U. of Mo., Kansas City. Steinberg Hall, Rm. 200. 935-5270.

7 p.m. Architecture Monday Night Lecture Series. "Campus Design for the 21st Century." William Mitchell, dean of the School of Architecture, MIT. Steinberg Hall Aud., 935-6200.

8 p.m. Germanic Languages and Literatures lecture. "The Third Sex: Emancipated Women and Homosexuals at the Turn of the Century." Robert Tobin, assoc. dean of faculty and prof. of German, Whitman College, Walla Walla, Wash. Alumni House Living Room. 935-5106.

On Stage

Friday, Oct. 25

8 p.m. Performing Arts Department production. *Once in a Lifetime*. Jeffery Matthews, dir. (Also Oct. 26, 8 p.m.; Oct. 27, 2 p.m.; Nov. 1 & 2, 8 p.m.; & Nov. 3, 2 p.m.) Cost: \$12, \$8 for WUSTL faculty, staff, & students. Edison Theatre. 935-6543.

Saturday, Nov. 2

8 p.m. Performing Arts Department special event. *Doctor Prospero*. Gareth Armstrong, actor and director. Co-sponsored by the depts. of English and comparative literature. Cost: \$20, \$10 for senior citizens and students. Edison Theatre, A.E. Hotchner Studio Theatre. 935-6543.

Music

Sunday, Oct. 27

3 p.m. Reformation Choir Festival. Six participating choirs and a brass quintet.

Hosted by Lutheran Campus Ministry. Free will offering. Graham Chapel. 863-8140.

Thursday, Nov. 7

8 p.m. Jazz at Holmes. Dave Stone, saxophone. Ridgley Hall, Holmes Lounge. 935-4841.

Sports

Friday, Oct. 25

5:30 p.m. Women's Soccer vs. U. of Rochester. Francis Field. 935-4705.

7:30 p.m. Men's Soccer vs. U. of Rochester. Francis Field. 935-4705.

Saturday, Oct. 26

12:30 p.m. Football vs. Case Western Reserve U. Francis Field. 935-4705.

Sunday, Oct. 27

11 a.m. Women's Soccer vs. Brandeis U. Francis Field. 935-4705.

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

Wednesday, Oct. 30

7 p.m. Women's Soccer vs. Westminster College. Francis Field. 935-4705.

Worship

Saturday, Oct. 26

4:30 p.m. Catholic Mass. Catholic Student Center, 6352 Forsyth. 935-9191.

Sunday Oct. 27

11 a.m. & 9 p.m. Catholic Mass. Catholic Student Center, 6352 Forsyth. 935-9191.

And more...

Monday, Nov. 4

7 p.m. Art of Biography Reading Series. *Richard Wright: The Life and Times*. Hazel Rowley, author. Sponsored by the International Writers Center. West Campus Conference Center, 7425 Forsyth Blvd. 935-5576.

Sports

Hoelle paces field as cross country sweeps

Junior Matt Hoelle was the top collegiate finisher and senior Brooke Lane placed fourth as the men's and women's cross country teams swept the 2002 Millikin Cross Country Classic Oct. 18 in Decatur, Ill. Hoelle placed second behind an unattached runner as he finished in 25:47.03 to lead the men to their second team championship of the season. Four Bears placed in the top 10 as the men's team finished with 27 points, which was 31 points in front of second-place finisher Greenville College. The women dominated the meet with 29 points. Lane and juniors Mindy Kuhl and Melanie Mikecz claimed the fourth through sixth spots as the Bears won their third team championship of the season.

Other updates

The No. 1 **volleyball** team won at least 30 matches for the 17th straight season as the Bears posted five victories en route to

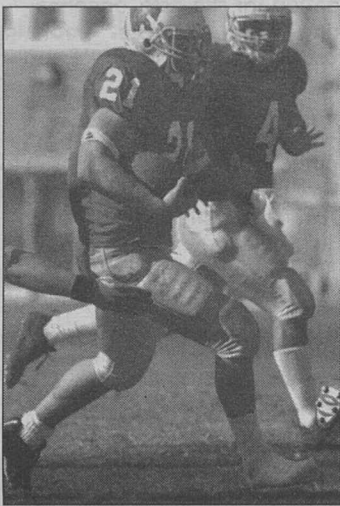
defeating Southern Illinois-Edwardsville Oct. 16 and winning the WU Midwest Invitational Oct. 18-19. In the Midwest Invitational, the Bears defeated No. 14 Nebraska Wesleyan (3-0) and St. Olaf College (3-1) Oct. 18 and then ousted Fontbonne College (3-0) and Simpson College (3-0) Oct. 19. Senior Rebecca Rotello had 51 assists against Nebraska Wesleyan as she became the third player in school history to have 4,000 career assists.

The **football** team snapped a two-game losing skid and opened the University Athletic Association season with a victory as the Bears posted a 38-17 win at the University of Chicago Oct. 19. The victory also means the Bears keep possession of the Founder's Cup, which commemorates the first game ever played between UAA schools. Matt Plotke carried 29 times for a career-high 133 yards, and Brad Duesing caught nine passes for 97 yards and two touchdowns.

The **men's soccer** team dropped its only match, a 1-0 decision to Webster University at St. Louis Soccer Park. The Bears, who dropped to 5-6-1, has lost five of their past seven games.

The **women's soccer** squad played just one game last week, dropping a 4-1 decision at McKendree College on Oct. 17. Brenda Harpole scored the Bears' lone tally.

Freshman **men's tennis** players Neil Kenner and Ari Rosenthal won their first-round match before dropping their final two en route to a fourth-place finish at the Omni Hotels Small College Tennis Doubles Championships at the H.E.B. Tennis Center Oct. 17. The fourth-place finish is the best in school history at the Small College Championships.



JOE ANGELIS

Bears running back Matt Plotke had a career day against the University of Chicago Oct. 19.

Conference

More than 140 to attend New Horizons Briefing

— from Page 1

journalists with the kind of intellectual background that is difficult to get elsewhere, as well as the kind of informative atmosphere — informal presentations that generate lively dialogues between scientists and journalists — that is rare to find. In this way, we hope that journalists then will write stories that better-inform the public."

The program is a global event, this year drawing Didier Sornette, Ph.D., who holds joint appointments with the University of California, Los Angeles, and the Centre National de la Recherche Scientifique, University of Nice, France. Sornette will deliver a plenary session.

It also features renowned scientists from Montana State University, Lawrence Livermore Laboratory, Oak Ridge National Laboratory, Duke University, AER Inc., of Lexington, Mass., the University of Arkansas and the Donald Danforth Plant Science Center in St. Louis.

Washington University is well represented at the New Horizons Briefing, with 18 faculty members from both the Hilltop and Medical campuses participating in plenary sessions and laboratory tours.

The University contribution to the program consists of the following plenary sessions (in order of appearance):

• **Oct. 27, John-Stephen A. Taylor**, Ph.D., professor of chemistry in Arts & Sciences, will open the program with a discussion of his RNA-anchored targeted therapy technique; **Karen L. Wooley**, Ph.D., professor of chemistry, will discuss a collaboration with Taylor and her use of special nanoparticles she has developed to prevent maritime fouling; **James H. Buckley**, Ph.D., associate professor

of physics in Arts & Sciences, will discuss his work with TeV gamma rays, the most intense form of radiation known to science; and **Wai-Mo Suen**, Ph.D., professor of physics, will talk about gravity wave astronomy.

• **Oct. 28, J. Perren Cobb**, M.D., associate professor of surgery, will present on the role DNA plays in the human response to injury.

• **Oct. 29, David Piwnicka-Worms**, Ph.D., professor of radiology and of molecular biology and pharmacology, will present on advances in molecular imaging; **Jeff W. Lichtman**, M.D., Ph.D., professor of anatomy and neurobiology, will discuss the life of a synapse; **David C. Van Essen**, Ph.D., the Edison Professor of Neurobiology and head of the Department of Anatomy and Neurobiology, will speak on high-tech brain mapping; and **Richard A. Loomis**, Ph.D., assistant professor of chemistry, will explain his work on making "movies" of ultra-fast bimolecular chemical reactions.

• **Oct. 30, Ronald S. Indeck**, Ph.D., the Das Family Distinguished Professor of Electrical Engineering, will explain his technique for ultra-fast searching of massive databases.

On the afternoon of Oct. 29, the New Horizons writers and editors will observe a demonstration of methods to detect and deactivate microbial and viral agents given by **Pratim Biswas**,

Ph.D., the Stifel and Quinette Jens Professor in chemical engineering and director of the Environmental Engineering Science Program.

They will see novel construction techniques to safeguard buildings and bridges against earthquakes developed by **Shirley J. Dyke**, Ph.D., associate professor of civil engineering; **Philip V. Bayly**, Ph.D., associate professor of mechanical engineering; and **Guy Genin**, Ph.D., assistant professor of civil engineering.

School of Medicine collaborators **Larry Lewis**, M.D., and **Rosanne Naunheim**, M.D., in emergency medicine; **Carl Laurysen**, M.B., Ch.B., associate professor of neurological surgery; and **John Standeven**, Ph.D., an engineer in the Barnes-Jewish Children's Hospital's Human Performance Lab, will present a demonstration on the biomechanics of soccer heading.

On the evening of Oct. 28, after tours and a dinner at the Donald Danforth Plant Science Center, Daniel Q. Haney, The Associated Press' national medical editor, will receive the Victor Cohn award for his medical reporting. **Carl M. Bender**, Ph.D., professor of physics, will give the after-dinner talk on the greenhouse effect.

The program is sponsored by Washington University with support from the Burroughs Wellcome Fund and the *St. Louis Post-Dispatch*.

Parents

Open houses, information sessions, tours each day

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The football team takes on Case Western University in the Homecoming game at 12:30 p.m. Oct. 26 at Francis Field. A tailgate party will start at 11 a.m. outside the stadium. Tickets must be purchased for the

tailgate party.

Students can buy tailgate party tickets at the Office of Student Activities; parents can buy tickets at the Office of Orientation and Parents Weekend Programs.

Open houses, information sessions and tours will take place during each of the three days of Parents Weekend.

For more information, contact Melanie Osborn, assistant director of Orientation and Parents Weekend programs, at 935-8350 or visit parentsweekend.wustl.edu.

Campus Watch

The following incidents were reported to University Police **Oct. 16-22**. 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.

Oct. 17

10:49 a.m. — A student reported that an unknown person kicked in the southwest shed doors of the Kappa Sigma fraternity house between 9 p.m. Oct. 16 and 10:40 a.m. Oct. 17.

1:38 p.m. — A campus YMCA employee reported that she parked her car on the second level of the Millbrook Garage at 8 a.m. When she returned at 1 p.m., an unknown person had taken her license plates. Total loss is estimated at \$48.

Oct. 21

8:15 a.m. — A person reported

that an unknown person had damaged and forced open the roof hatch in the east stair of Lee Residence Hall. Total loss is estimated at \$200.

8:17 a.m. — A person stated that sometime on Oct. 20, an unknown person stole seven shower heads from the men's and women's showers on the third floor of Lee Residence Hall. Total loss is estimated at \$375.

Additionally, University Police responded to three reports of property damage and one report of larceny.

Employment

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 of Human Resources, Room 130, West Campus. If you are not a WUSTL staff member, call 935-9836. Staff members call 935-5906.

Senior Medical Sciences Writer 010108

Lab Technician — Part Time 020234

General Lab Asst. — Part Time 020237

Occupational Health Safety Technologist 020339

Assoc. Dir. Corporate Relations 020365

Career Dev. Specialist — Grad Students 020381

Application Processor 030022

Senior Contract Management Liaison 030032

Department Secretary 030033

Deputy Police Officer 030062

Physical Therapist 030064

Accounts Receivable Service Rep. 030070

Laboratory Technician/Analytical Chemist 030071

Assistant Director of Admissions 030072

Registered Nurse 030079

Data Entry Processor 030081

Sr. Regional Dir. Major Gifts, N. Atlantic Region 030083

Director of Corporate Relations 030084

Administrative/ Grants Coord. 030087

Systems Coordinator 030088

Asst. Manager/ Housekeeping for Res. Life 030093

Health Services Physician 030099

Technology Center Manager 030100

Library Technical Asst. (Adaptive Cataloging) 030103

Scheduling Coordinator 030104

Assoc. Dir. Medical Dev./Exec. Faculty Liaison 030105

Department Secretary 030106

Asst. Accountant 030108

Accounting Systems Data Coord. 030109

Business Development Coord. 030110

Shuttle Driver 030111

Admin. Asst. to Assoc. Vice Chancellor 030112

Purchasing Asst. 030113

Career Development Specialist 030114

Front Desk Clerk/Cashier 030115

Government Publications/ Reference Librarian 030116

Asst. Dir. Donor Relations for Stewardship 030117

Research Technician II 030119

Communications & Events Coord. 030122

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 362-7196.

External candidates: Submit resumes to the Office of Human Resources, 4480 Clayton Ave., Campus Box 8002, St. Louis, MO 63110, or call 362-7196.

Senior Research Review Specialist 030335

Medical Secretary II 030512

Clinical Lab Technologist 030517

Research Technician 030525

Clerk I 030527

Secretary III 030529

Animal Care Technician 030538

Special Project Asst. 030540

Research Technician I 030545

Medical Secretary II 030544

Purchasing Coord. 030546

Grants/Budget Specialist 030547

Dialysis Nurse 030548

Financial Analyst 030549

Clinic Administrator 030550

Insurance Billing and Collections Asst. III 030551

Animal Care Technician II 030553

Mgr. Financial Operations 030554

Secretary III 030555

Clinic Administrator 030556

Sr. Analyst-Finance, Planning, Project 030557

Insurance Billing & Collections Asst. III 030558

Insurance Billing & Collections Asst. I 030559

Staff Therapist 030560

Research Technician I 030565

Senior Research Review Specialist 030566

Senior Research Review Specialist 030567

Senior Research Review Specialist 030568

Senior Research Review Specialist 030569

Senior Research Review Specialist 030570

Research Technician II 030573

Benefits

— from Page 1

program supports our philosophy of providing our employees with quality platforms, greater choice and the flexibility to customize benefit solutions to meet their life-cycle needs."

The University actually started participating in the program in May 2000. Initial response and enthusiasm were high, then started waning in the past year. But given the accessibility and ease of use of the youdecide.com plan, Lauman is hoping more people become interested.

"When we chose the platforms, we made sure we weren't competing with our existing plans," he said. "They do have life insurance and other benefits like long-term care, and we were specific that we only wanted to offer the platforms that didn't compete. That's how we came up with the seven that are offered."

To register, go to youdecide.com/wu351; click on "Log In" at the top right-hand corner of the page; and click on "Register Now." The client ID (WU351) should already be inserted in the next screen; complete the registration form and then click "Get Started."

You can also access youdecide.com through the University's human resources benefits Web site (hr.wustl.edu) by going to "Benefits" and then clicking the "Voluntary Benefits" link.

For more information about voluntary benefits or help with registration, call YouDecide at (800) 746-7326.

To see all the discounts offered to University faculty and staff, go to hr.wustl.edu; go to "Benefits," then click on the "Vendor Discounts" link.

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Washington University in St. Louis

Notables

Introducing new faculty members

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

Henric Krawczynski, Ph.D., joins the Department of Physics in Arts & Sciences as assistant professor. He earned a doctorate from the University of Hamburg, and has held postdoctoral positions at the Max Planck Institute for Particle Physics and Yale University. This year, he has been an instructor at Yale. He is an experimental high-energy astrophysicist, working on X-ray and gamma-ray observations. These high-energy rays come from exotic objects such as supermassive black holes in the centers of galaxies. He works both on analysis of data from current ground-based and orbiting telescopes.

Nathan Jensen, Ph.D., joins the Department of Political Science in Arts & Sciences as assistant professor. He earned a bachelor's degree from the University of Minnesota in 1998 and a doctorate from Yale University in 2002.

In 2001-02, he was a visiting scholar in international studies at the University of California, Los Angeles. His primary research interests are in the area of international political economy with special emphasis on international institutions and foreign direct investment.

4 take alumni and development director positions

BY BARBARA REA

Katie Pope and Candice Shamia have joined alumni and development programs, announced David T. Blasingame, vice chancellor for alumni and development programs.

In addition, Ida Early has returned to the department to fill a newly created position, and Samuel Gordon III has succeeded Ronald Gray as director of development for the School of Law.

Pope is director of development for the School of Architecture; Shamia directs the annual giving programs and succeeds Early, who has returned to the University as senior associate director for schools alumni and development programs.



Pope

Since earning a master's degree in philanthropic studies from Indiana University, Pope has served in a number of development-related positions. Most recently, she managed the planned and major gifts department at the Saint Louis Art Museum.

Before moving to St. Louis, Pope developed grants for private colleges. She also worked in planned giving for the Episcopal Church Foundation and directed development opportunities for the Rockland Family Shelter in New York City.

She earned a bachelor's degree

in English from the University of Dayton.

Shamia's professional experience has been concentrated in higher-education development. She served in several capacities at the University of California, Los Angeles, including interim executive director for the office of external affairs and assistant director for development and alumni relations for the Henry Samueli School of Engineering and Applied Science. Also at UCLA, Shamia held the position of associate director in the office of major gifts.

Prior to joining the UCLA staff, Shamia was development officer and liaison to the School of Engineering at the University of Dayton. She began her career as a project manager and as associate



Shamia

director in the office of annual giving at the University of Cincinnati Foundation.

Shamia earned a bachelor's degree in international studies and political science from Miami University.

In her current position, Shamia is responsible for the annual giving programs at the University, including the William Greenleaf Eliot Society and the direct mail and phone-a-thon programs. In addition, she works with Eliot Society membership committees in three key cities.

Rejoining the alumni and development staff is Early, who took a year's leave of absence in 2001 to accompany her husband, Gerald L. Early, Ph.D., the Merle Kling Professor of Modern Letters and professor of English, of African and Afro-American Studies and of American Culture Studies, all in Arts & Sciences, on his sabbatical.

She spent the past year as interim director for Duke University's parents' program. In her new position here as senior associate director, Early will work with alumni relations and annual fund staffs to generate



Early

special development opportunities. In addition, she will provide guidance and support for the University's growing volunteer leadership base. In this capacity, Early continues a long history of development service to the University. She joined the Olin School of Business in 1982 as an administrative assistant and in two years rose to director of special projects, information and foundations, serving in that role for nine years.

She began in alumni and development programs in 1993 as director of development and alumni programs for the School of Art and also directed development for the Gallery of Art. After

a leave of absence to serve as president of the Junior League of St. Louis, Early returned as director of annual giving programs.

Early graduated from the University of Pennsylvania with a bachelor's degree in sociology.

As director of development for the School of Law, Gordon is responsible for the overall development of the law school, including its national council, the law campaign committee, minority scholarships, the public service fund, the Whitney R. Harris Institute for Global Legal Studies and the Center for Interdisciplinary Studies.



Gordon

Prior to joining the University's alumni and development programs in 1997 as a regional director of development in major gifts and capital projects, he held a number of professional positions in the St. Louis business community.

After earning a bachelor's degree in political science from Westminster College, Gordon joined Enterprise Rent-A-Car Co. From 1992-97, he worked in the investment industry.

He also has served on the boards of several nonprofit organizations in the metropolitan area, including Edgewood Children's Center and the TNT Theatre Group, helping to generate funding opportunities.

Gould receives award from engineering group

BY TONY FITZPATRICK

Phillip L. Gould, Ph.D., the Harold D. Jolley Professor of Civil Engineering, was recently presented the 2002 Professional Recognition Honor Award by the St. Louis section of the American Society of Civil Engineers (ASCE).

The award recognizes the importance of professional attainment in the advancement of the science and profession of engineering. It is presented annually to a member of the St. Louis section of ASCE.

It is given to an engineer who has made substantial contributions to the engineering profession and the St. Louis section, including lasting achievement in improving the conditions under which civil engineers practice, improving educational programs and in guiding young civil engineers in the formative stages of their careers.

Gould has been a member of the St. Louis community since 1966, when he joined the civil engineering faculty at the University. He earned bachelor's and master's degrees in civil engineering from the University of Illinois and a doctorate from Northwestern University.

Between earning his master's and doctoral degrees, he worked as a structural engineer engaged in the design of institutional and multistory buildings and highway bridges.

Gould served as department chair for two decades. His research activities have centered on thin shell structures with applications to finite element

analysis, biomedical engineering, earthquake engineering, soil-structure interaction and the design of hyperbolic cooling towers.

He is the author of books in the fields of thin shell analysis, earthquake and wind engineering, introductory elasticity and finite element analysis. He has been published in many journals.

He has been active in several professional organizations, particularly the ASCE, the American Concrete Institute and the Earthquake Engineering Research Institute.

He currently serves as the program coordinator for education for the National Science Foundation-sponsored Mid-America Earthquake Center. He is also the chairman of the Missouri Seismic Safety Commission and a Director of the Structural Engineers Association of Kansas and Missouri.

Three chemical engineer students win national design awards

BY TONY FITZPATRICK

Three recent graduates of the Department of Chemical Engineering have won distinguished design awards in the National American Institute of Chemical Engineers (AIChE) national student design competition and will be honored at the AIChE annual meeting Nov. 4 in Indianapolis.

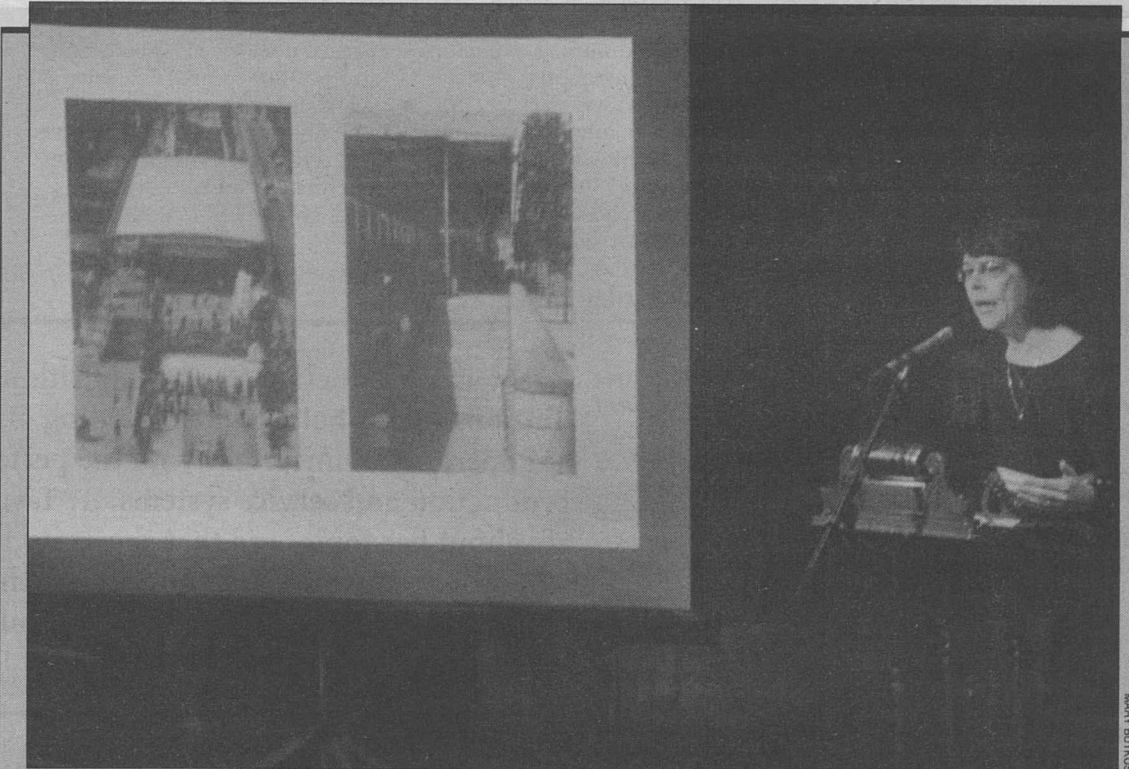
Corey S. Harris, Katherine Rogers and Andrew Tillinghast gave the University's chemical engineering department the distinction of two straight years in which members from the University have taken top honors.

"This is an outstanding achievement and speaks well of our students who come through the chemical engineering design course," said Milorad Dudukovic, Ph.D., the Laura and William Jens Professor of Environmental Engineering and chair and professor of chemical engineering. "We're very proud of our students, and the department is grateful to Dr. Charles Carpenter for inspiring and motivating students in our design course."

The team won The William Cunningham Award for First Place Team in the 2002 National Student Design Competition. This award recognizes its solution to the 2002 contest problem and consists of a plaque and \$600, to be divided equally among team members. The group will present a summary of its solution at the Annual Student Conference from 8:30-11 a.m. Nov. 4.

The team also won the Safety and Health Division Award for the best application of the concept of inherent safety. This award recognizes the group's solution to the 2002 contest problem and consists of \$500, also to be divided equally among the team members.

The group also took the Safety and Chemical Engineering Education Award for best application of the principles of chemical process safety. This award recognizes the group's solution to the 2002 contest problem, and consists of a plaque and \$300, to be divided equally among the team members.



Public works examined Jacqueline Tatom, assistant professor and co-director of the School of Architecture's Master of Urban Design Program, moderates a panel on "Public Works Projects: Collaboration, Evolution and Process" at the Sheldon Art Galleries, 3648 Washington Blvd., Oct. 19. The talk was held in conjunction with the exhibition *Work in Progress: Plans, Models and Photographs of the St. Louis MetroLink Extension*, which includes several models built by Scott Adams, a master's candidate in the School of Architecture, and recent graduate Joel Fuoss. Other panelists included Patrick Schuchard, the E. Desmond Lee Professor for Community Collaboration in the School of Art; Daniel Jay, principal and chief financial officer of Christner Inc.; and artist Valerie Otani of Portland, Ore.

Washington People

Tava Lennon Olsen, Ph.D., associate professor of operations and manufacturing management in the Olin School of Business, always has preferred things to be organized, because "it makes things work better."

As a child growing up in Auckland, New Zealand, she says she learned on frequent family holidays and outings in her beautiful country that there was a lot of value in detailed planning.

Now, Olsen has taken her passion for efficiency to a new level with her cutting-edge research in manufacturing operations modeling theory and her award-winning teaching style.

Olsen joined the Olin School in 2000 and is part of the school's increasingly recognized faculty in supply chain and operations and manufacturing management. She is quickly making her mark.

"She is a first-rate scholar and a role model for our younger faculty, most especially our women fac-



Tava Lennon Olsen, Ph.D. (left), associate professor of operations and manufacturing management in the Olin School of Business, clarifies a point after her decision modeling class with second-year master of business administration student Heather Bartfield.

A place for everything

Tava Lennon Olsen, Ph.D., developed an early passion for mathematics and efficiency

BY ROBERT BATTERSON

ulty members," says Olin School Dean Stuart I. Greenbaum, Ph.D.

With her fetching British-like New Zealand accent, a bewitching smile and dry sense of humor to match, you wouldn't guess on first meeting that behind her calm academic demeanor lies a passionate affection for keeping things "queued."

Olsen's research examines vendor-managed inventory, decision modeling, and multiclass queuing and polling models in manufacturing systems with "setups." An example is an automobile manufacturing plant where computer terminals along the production line monitor and communicate "made to order" instructions.

Her work has been published in a variety of high-quality journals, including *Management Science*, *Operations Research*, *IIE Transactions* and *Manufacturing and Service Operations Management*. She is an associate editor of *Management Science*.

She likes the fact that her research is directly applicable to the real world.

"The problems are real and complex," she says. "Take the auto industry — a lot of their systems use these setup operations. For instance, making a plastic bumper: You make it, you paint it, but how do you schedule these systems when you have a special order and short lead times? How do you manage them most effectively? There really hasn't been an overarching theory on how to manage made-to-order (manufacturing) systems."

Father knows best

Born in Aarhus, Denmark, where her father — also an aca-

demic — was doing postdoctoral work in mathematics, Olsen moved with her family at the age of 2 to their home in New Zealand.

Her father was a professor of mathematics and computer science at the University of Auckland. Olsen's mother, who taught high school and tutored, was inspired by Tava's academic aspirations. Her mother later finished a doctorate and became a professor of computer science at Auckland, too.

But it was Olsen's father who laid the foundation for her love of efficiency and also her laid-back style.

"He made good decisions,"

"Tava is a productive researcher, with main contributions in our better understanding of the impact of operational uncertainty on the performance of production and service systems. ... Tava is passionate about her topic, and that shows up in her teaching. Her innovative teaching approach has made the decision models course an instant success."

PANOS KOUVELIS

Olsen says. "He was very good at planning things, and yet he had a very relaxed attitude toward life. He was always very busy, but he made time to take us on lots of family camping trips and holidays.

"He taught me that you can always find a way to make things happen. You can always find time to fit things in and make things work."

Olsen skipped two grades in elementary and secondary school and was an early whiz at mathematics ... but, she says, not all the time.

"I wasn't very good at algebra," Olsen says. "Kids would copy my work and get things wrong!"

By the time she went to college, she thought she might want to study medicine, but her strong interest in mathematics was always there.

"Pure math was not my interest, though," she says. "I wanted to do something more applied."

After graduating with honors

from the University of Auckland with a degree in mathematics, Olsen came to the United States and Stanford University, where she earned a master's degree in statistics and a doctorate in operations research.

At Stanford, she also taught in the operations research department. It was there that she met her husband, Tim, who also earned a doctorate in operations research.

In 1994, Olsen accepted a position in the industrial and operations engineering department at the University of Michigan, where she served as assistant professor for six years.

Back in the U.S.

Following a brief return home to New Zealand as a visiting lecturer at the University of Auckland, Olsen came back to the United States and joined the

Olin School faculty. Panos Kouvelis, Ph.D., the Emerson Electric Company Professor of Operations and Manufacturing Management at the Olin School, says that the business school is lucky she did.

"Tava is a productive researcher, with main contribu-

tions in our better understanding of the impact of operational uncertainty on the performance of production and service systems," Kouvelis says. "Her work applies, in an effective way, theoretical models, from queuing theory — models about the behavior of waiting-line systems — to challenging operational issues, and generates useful insights for operations managers."

Olsen also loves to teach. At the Olin School, she introduced a new course on decision modeling to the curriculum that is as popular as it is important.

"Tava is passionate about her topic, and that shows up in her teaching," Kouvelis says. "Her innovative teaching approach has made the decision models course an instant success."

Olsen says the best part about teaching at the Olin School is "when you really feel like you've made a difference in someone's life."

The sense of camaraderie at the Olin School also greatly

appeals to her.

"I really like my colleagues," she says. "All the women faculty at Olin are very close — we go to lunch together and stop by each other's offices to talk. Olin is small enough that you can stay in touch on what's going on."

"There's an intimate feel here. There isn't a lot of bureaucracy — your voice counts."

Olsen is conducting research into how manufacturing firms trade off service quality and pricing structure, so different modes of quality and price can be offered to the public. She is excited because she says this kind of research just wasn't feasible 10 years ago.

"Due to the advances in computer technology, it is now possible to model these types of systems," she says.

But she is quick to point out, however, that she is not particularly well-organized.

"Somehow, I just seem to get it all done," she says.

At home, husband Tim keeps things on track.

"I like things to be efficient," she says. "Even at home, there is a place for everything and everything is in its place — only Tim takes care of it!"

Tava Lennon Olsen, Ph.D.

Born: Aarhus, Denmark, Dec. 20, 1969

University title: Associate professor of operations and manufacturing management, Olin School of Business

Years at the University: 2

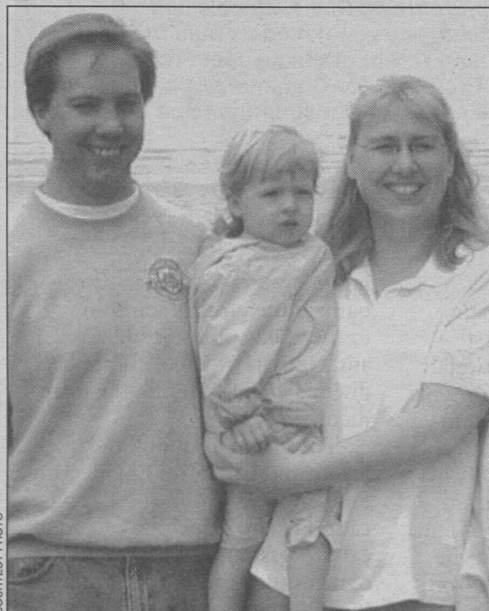
Awards: NSF Career Award, 1999; Meritorious Service Award, Operations Research, 1998; Teaching Excellence Award, University of Michigan, 1996, 1997; Thomas W. Ford Fellowship, Stanford University, 1993

Academic degrees: Bachelor of science (with honors) in mathematics, University of Auckland, New Zealand, 1990; master of science in statistics, Stanford University, 1992; doctor of philosophy in operations research, Stanford University, 1994

Research interests: Supply chain management, manufacturing systems analysis and control, control of wireless communications networks, queuing theory and applied probability

Personal interests: Hiking, reading fiction, baking, spending time with family

Family: Husband, Tim; daughter, Ebba, 2



Tava Lennon Olsen with her husband, Tim, and daughter, Ebba.