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Record

Feb. 10, 2006

Volume 30 No. 21



Washington University in St. Louis

Faculty to present at AAAS meeting here

Is the world's largest scientific organization

By TONY FITZPATRICK

More than 30 WUSTL faculty members will participate in science and technology presentations when the American Association for the Advancement of Science (AAAS), the world's largest general scientific organization, holds its annual meeting Feb. 16-20 at the Renaissance Grand Hotel in downtown St. Louis.

The multidisciplinary program will feature more than 150 symposia, plenary and topical lectures, a poster competition, a career fair, career workshops and an exhibit hall.

Seminars and tutorials will offer in-depth looks at genomics, explore ways to deal with high-throughput data and explore the issues of seamlessness in education from kindergarten through university studies.

The meeting will also examine the biomedical and social ramifications of nanotechnolo-

gy, the physics and economics of virtual worlds and the frontiers of mathematics. A special half-day event for teachers will explore the challenges to teaching evolution.

The plenary lectures will feature some of the world's most accomplished science and science-policy thinkers.

Founded in 1848, AAAS serves some 262 affiliated societies and academies of science, serving 10 million individuals. It is open to all and fulfills its mission to "advance science and serve society" through initiatives in science policy, international programs, education and elsewhere.

"Washington University in St. Louis is extremely pleased to welcome the American Association for the Advancement of Science to our city, and is very proud that St. Louis was chosen as the venue for the annual meeting," said Chancellor Mark S. Wrighton, an AAAS fellow.

"AAAS is an esteemed organization that has been integral in the dissemination and advancement of science since before the Civil War. It has been and continues to be a dynamic association, reaching out beyond universities and institutions to communities and government.

"We also are proud of the participation of our faculty in the program. We have many presenters on a wide range of topics, indicative of the breadth of our university. The AAAS annual meeting certainly offers a tremendous platform on which to observe scientific endeavors today."

Nearly 1,000 scientific leaders will participate in the meeting, focusing on "Grand Challenges, Great Opportunities."

"The program this year is designed to challenge us as scientists, engineers, teachers and citizens to frame important scientific and societal problems in ways that create opportunities to apply the best in science and technology for broad benefit," said AAAS President Gilbert S. Omenn, M.D., Ph.D., who will open the meeting with a plenary lecture at 6:30 p.m. Feb. 16.

"We can mobilize individual disciplines and cross-disciplinary work on major national and global goals. We can boldly define problems and potential solutions for the decades ahead, thereby inspiring the scientific and engineering community and attracting young people to this mission."

The University will staff an information See AAAS, Page 6

Stanley named vice chancellor for research

Samuel L. Stanley Jr., M.D., professor of medicine and of molecular microbiology, has been appointed vice chancellor for research, effective July 1.

Chancellor Mark S. Wrighton made the announcement.

"I want to thank the search committee, chaired by Professor Martin Is-



Stanley

rael, for bringing so many outstanding candidates for consideration," Wrighton said. "We had an excellent group of candidates, and I am pleased to be able to appoint Professor Sam Stanley."

"Professor Stanley is a highly respected faculty member with a great record of achievement in research. Recently, Professor Stanley has emerged as a national leader in connection with his work on biodefense research, and he is well prepared to encourage interdisciplinary research initiatives."

"Assuring that the policies and procedures associated with our research enterprise remain robust and effective is an important responsibility for the vice chancellor for research, and I am confident that Professor Stanley will be a leader in this regard," Wrighton continued. "He is committed to serving the University and all of its faculty and will be an important advocate for our research mission. I am looking forward to working with him as a member of the leadership team."

Stanley will succeed Theodore J. Cicero, Ph.D., who announced last year his intention to step down from the position after holding it since 1996. Cicero, professor of psychiatry and of anatomy and neurobiology, will return full-time to his

See Stanley, Page 7

2-drug treatment may block source of asthma and chronic bronchitis

By GWEN ERICSON

Current treatments for asthma and chronic bronchitis aren't able to address the ultimate source of the problem; they can only alleviate symptoms.

But School of Medicine researchers have gone to the root of these disorders and found a two-drug treatment that could potentially restore patients' troubled airways to healthy functioning.

Their study appeared in the Feb. 1 issue of the *Journal of Clinical Investigation*.

Michael J. Holtzman, M.D., and his colleagues discovered that some cells that line the air passages of the lung transform

into another cell type in mice and humans with these disorders. This cellular transformation, which had never before been recog-



Holtzman

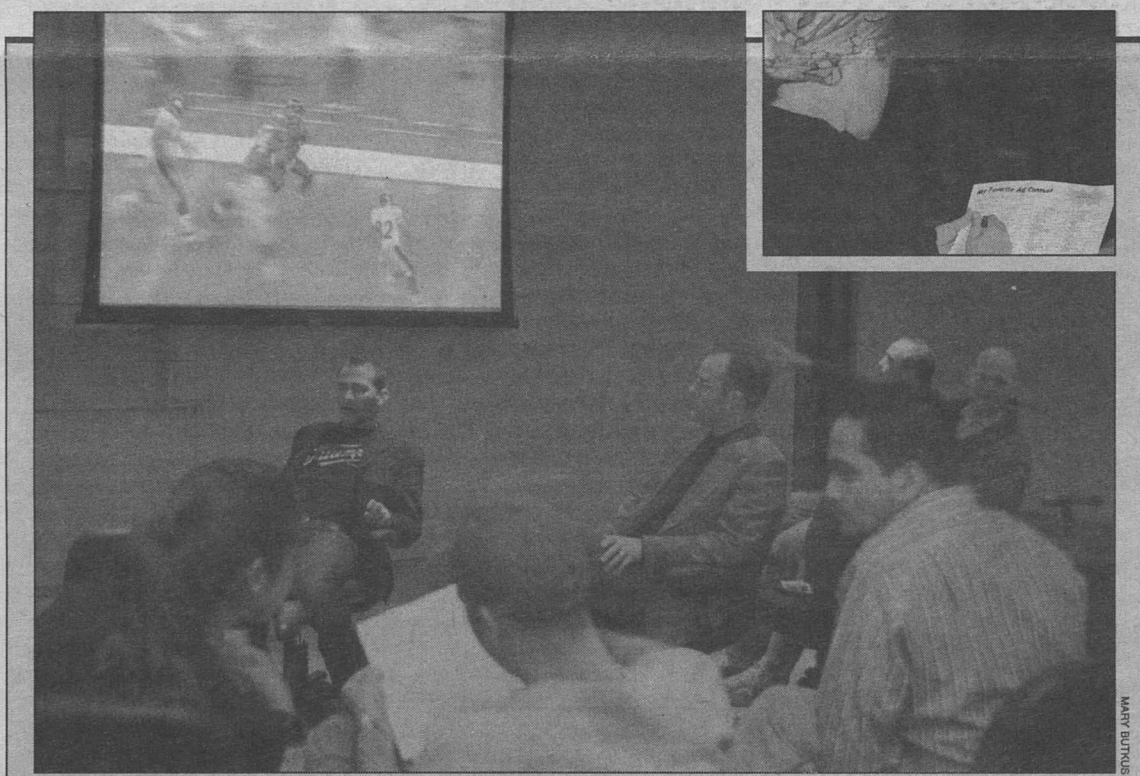
nized, is responsible for overproducing mucus in the airways.

The researchers found two drugs that could prevent the harmful transformation of lining cells. Those drugs may be used in combination to normalize the airway lining in asthma and chronic bronchitis sufferers.

"In these disorders, shortness of breath and cough are related to hypersecretion of mucus in the airway," said Holtzman, the Selma and Herman Seldin Professor of Medicine and director of pulmonary and critical care medicine.

"Physicians prescribe anti-inflammatory steroids and bronchodilators to ease breathing dif-

See Asthma, Page 7



Forget the game; what about the ads? Feb. 5 was Super Bowl XL for the majority of Americans; but for about 90 students in the Olin School of Business, it was the seventh annual "Super Ad Bowl." Students voted for their favorite commercials of the telecast (a voter marks her ballot, inset). Prior to the start of the game, local advertising practitioners gave lectures on their craft. Seated directly under the TV is one of the presenters, Bradley Gutting, art director at Adamson Advertising. To his immediate left is Brandon English, copywriter at Adamson. Lewis Williams, senior vice president and creative director at Leo Burnett, also spoke to the students. Among the members of the M.B.A. Class of 2007 in attendance were (from left) Catherine Borda, Mark Vance, Sam Kamath, Erik Ahlber and John Heaney. Students voted FedEx's "Caveman" advertisement as best in show.

WUSTL ramps up recycling effort with new vendor

By ANDY CLENDENNEN

As efforts to preserve the environment are being stepped up nationwide, the University is making recycling a focal point for 2006 and beyond.

"We have been working with facilities, purchasing and the student Committee on Environmental Quality to expand the recycling program at the Hilltop Campus," said Bruce Backus, assistant vice chancellor for environmental health and safety.

"We want to include more waste streams and add more recycling containers around the campus."

A new recycling contract should allow the University to expand the amount of paper products, aluminum, glass and plastic that

is recycled.

The University's new recycling vendor, BJ Partnership, provides a wealth of opportunities for the University to reduce its general trash by as much as 50 percent, all by just paying attention to what can and cannot be recycled, and into which bins the materials should go.

"We currently recycle around 20 percent of the glass and plastic in the waste stream, but we hope to be able to increase that to 90 percent under the new contract," Backus said. "Paper recycling will now include any paper product that tears, including phone books and paperback books, as long as the paper is not contaminated with food, oil, wax or water."

Types of bins

"Up to 100 additional recycling containers will

be placed around campus," Backus said. "If the new vendor can deliver as promised, we should see some improvement in recycling rates."

An advancement in recycling is the advent of "mixed paper" bins. Think of it as accepting "anything that tears."

No longer do you have to worry about the plastic address windows in envelopes or the higher-stock glossy paper for ads and mailers. With a flick of the wrist that would make David Letterman proud, it can all go in the same place.

Mixed paper is an emerging program in waste-paper-fiber recycling that allows combining all clean waste paper products including phone books, magazines, mail (including plastic window envelopes), sticky notes, copy

See Recycling, Page 6

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Black Artists' Group: Symposium to examine influential arts collective

BY LIAM OTTEN

In the mid- and late 1960s, the Black Arts Movement emerged as the aesthetic and spiritual corollary to the Black Power philosophy. Spurning assimilation, the movement took often-militant pride in African-American history, culture and traditions, and in so doing laid much of the groundwork for contemporary multiculturalism.

In St. Louis, the Black Artists' Group (BAG), which flourished between 1968-1972, gave rise to a host of nationally recognized figures, including Oliver Lake, Julius Hemphill and Hamiet Bluiett of the World Saxophone Quartet; trumpeter Baikida Carroll; painters Emilio Cruz and Oliver Jackson; and stage directors Malinké (Robert) Elliott and Muthal Naidoo.

"The Black Artists' Group was a seedbed for artistic innovation," said Benjamin Looker, author of 2004's *"Point From Which Creation Begins": The Black Artists' Group of St. Louis*. "But unlike most other artistic collectives of the period, BAG was fundamentally committed to a collaborative interweaving of its members' diverse artistic mediums. The organization brought together and nurtured an array of African-American experimentalists, in disciplines ranging from music, theater and dance to visual arts, poetry, and film."

On Feb. 16-17, the Department of Music in Arts & Sciences will host a symposium and concert series titled "Music and Musicians of the Black Artists' Group in St. Louis," dedicated to the influential yet little-remembered collective.

The events come amid a dramatic resurgence of interest in BAG's history and music: In addition to Looker's monograph, a series of rare BAG recordings has recently been reissued on the Ikef, Quakebasket and Atavistic record labels.

"The astonishing artistic richness of the Black Artists' Group deserves to emerge into full view,"

Black Artists' Group dancers rehearse in preparation for a 1969 performance of "Poem for a Revolutionary Night." In St. Louis, the Black Artists' Group, which flourished between 1968-1972, gave rise to a host of nationally recognized figures. "The Black Artists' Group was a seedbed for artistic innovation," said Benjamin Looker, author of 2004's "Point From Which Creation Begins": The Black Artists' Group of St. Louis.

PORTIA HUNT



added Looker, a WUSTL alumnus and Yale University doctoral candidate who first encountered BAG's legacy while pursuing undergraduate degrees in music and urban studies. "Their work represents a unique and engaging effort to discover an artistic voice adequate to the social and cultural dislocations of its time."

In many ways, BAG represented the convergence of two parallel trends in the African-American arts world: free jazz and experimental theater.

In the mid-1960s, St. Louis free-jazz musicians were largely confined to informal concerts on Forest Park's Art Hill and at the home of Oliver Lake. Yet in 1967, The Lake Art Quartet debuted at the Circle Coffee House in LaCade Town, a federally funded, mixed-income housing complex at the heart of the city's counter-culture.

The following year, Lake, Malinké Elliott and others staged Jean Genet's controversial play-within-a-play *The Blacks* (1958)

— in which a group of African-Americans, possibly actors, reenact the possibly fabricated murder of a white woman — at Webster College's Lorretto-Hilton Center.

"With its aggressive posture toward its audience, its treatment of race and color and its integration of music and drama, the production embodied the hybrid nature that would characterize the BAG enterprise," Looker said.

"Productions during these years ranged from sharp satires dramatizing immediate issues of the local community to sweeping ritualistic pageants that laid out broad visions of black survival, spirituality and nationhood."

As BAG expanded, it attracted funding from the Danforth Foundation, the Rockefeller Foundation and others.

In July 1969, the group obtained, for an annual rent of \$1, a building at 2665 Washington Blvd., in the heart of the inner city. It soon housed living quarters, per-

formance/rehearsal space, a painting studio and teaching facilities for dance, theater, music, film, creative writing and visual arts.

Yet at the time, "The atmosphere in St. Louis was not particularly receptive to the new sounds being explored by Lake, Hemphill and their musical comrades," Looker said.

For example, Hemphill's LP *Dogon A.D.* (1972), released on his own Mbari record label, was praised by jazz critics yet found only limited distribution and virtually no radio play.

By the early 1970s, leading BAG musicians had grown frustrated with the lack of opportunity and relocated to Paris and New York. Lake, Hemphill and Hamiet Bluiett quickly carved out roles in New York's underground "loft-jazz" scene and soon captured international acclaim as co-founders of the World Saxophone Quartet, hailed by *The New York Times* as "probably the most protean and

Symposium schedule of events

Feb. 16

Workshop: 11:30 a.m., Tietjens Hall — Master class with Oliver Lake

Poetry reading: 4 p.m., Alumni House — Shirley LeFlore with J.D. Parran

Jazz at Holmes concert: 8 p.m. and 9:15 p.m., Holmes Lounge — Trumpeter Floyd LeFlore and reedman J.D. Parran lead their ensembles

Feb. 17

Symposium: 10 a.m.-12:30 p.m., Women's Building Formal Lounge — Lecture and papers presentations; 2-4 p.m., Musicians' Panel Discussion

Concert: 8:30 p.m. and 10:15 p.m., Jazz at the Bistro, 3536 Washington Ave. — The World Saxophone Quartet (Tickets and info: 531-1012)

Ongoing

Exhibit: Feb. 1-28, Olin Library — Display of BAG photographs and visual ephemera

All events are free and open to the public unless otherwise noted. For more information, call 935-4841 or e-mail taylor@wustl.edu.

exciting new jazz band of the 1980s."

"BAG continues to be most widely known for the cadre of jazz improvisers and composers that it fostered — artists who embraced a modernist ethos that remained grounded in a black musical heritage," Looker said.

"But a few constant themes do emerge from the collective's repertoire: arts as a potent method of community engagement; institution-building as a response to the social and economic forces rending the fabric of urban life; and an aesthetic vision focused on black heritage and tradition in the context of new forms and techniques."

Sports

Women's hoops stays tied for 1st in UAA

The No. 3 women's basketball team (18-2, 8-1 UAA) picked up two UAA road wins to remain in first place in the conference race.

The Bears defeated Carnegie Mellon University, 83-58, on Feb. 3 in Pittsburgh. Senior Danielle Beehler finished the first half with 17 points and nine rebounds, as the Bears took a 49-28 lead to the locker room. Beehler finished with a game-high 19 points and 12 rebounds as she recorded her eighth double-double of the season.

On Feb. 5, the Red and Green erased a 12-point halftime deficit to rally past No. 24 University of Rochester, 66-62. Tied at 58, senior Kelly Manning hit a deep 3-pointer and then a jump shot to give the Bears the lead for good at 63-58 with 1:55 remaining.

Men's hoops loses two league road games

The men's basketball team (13-7, 5-4 UAA) dropped two UAA road games and is now tied for third in the UAA.

The Bears' rally fell short on Feb. 3 as WUSTL dropped a 79-72 decision at No. 18 Carnegie Mellon. The Bears had a chance to tie the game with 18 seconds left after stealing the inbound pass, but Danny O'Boyle's 3-pointer was off the mark.

Sophomore Troy Ruths finished with a game-high 22 points.

On Feb. 5, the Bears dropped

On the Web

For complete sports schedules and results, go to bearsports.wustl.edu.

their third straight game with a 67-55 loss at Rochester. Ruths led the Bears with 12 points and a career-high six assists as he scored in double figures for the 25th consecutive game.

Track & field teams compete in Titan Open

The indoor track and field teams competed at the Illinois Wesleyan University Titan Open on Feb. 4 in Bloomington, Ill.

The Bears women took second with 82 points, just behind host IWU (89 points). The men's squad placed fourth with 51.33 points, while Central College (Iowa) won with 77 points.

Junior Delaina Martin had another big day for the women, winning the weight throw. Martin registered a throw of 16.57 meters, which is an NCAA provisional qualifying mark. The 4x400-meter relay squad also provisionally qualified for the NCAA Indoor Championships, clocking a time of 3:57.51.

Seniors David Skiba and Drew Martin highlighted the men's squad. Skiba won the 55 hurdles in 7.78, while Martin took first in the shot put with a throw of 14.95 meters (49-3/4). The 4x400 relay squad also placed second in 3:23.39.

Wrighton to speak for 'Science on Tap' series

BY ANDY CLENDENNEN

A little beverage mixed with a discussion of nuclear energy is always a good thing, right?

The spring lineup for "Science on Tap," a monthly series hosted by Schlafly Bottleworks, has been announced, and nuclear energy is just one of the topics to be explored.

All meetings are from 7-8:30 p.m. on the last Wednesday of the month in the Crown Room of the Bottleworks.

Following a 30-minute presentation, there will be a seven-minute break for attendees to introduce themselves to each other at the table, and then an hour of discussion. Seating is limited to the first 100 people, and no reservations are accepted.

The schedule is as follows:

Feb. 22: "Solar Energy and Nuclear Energy: Promise for the 21st Century?" Presented by Chancellor Mark S. Wrighton.

Also professor of chemistry in Arts & Sciences, Wrighton will address energy as one of the major challenges of the 21st century and discuss the prospects and role of solar energy and nuclear energy.

Abundant, affordable, environmentally clean energy is vital to the future of the United States and other countries. Advances in science and technology will be critical to our international competitiveness economically.

March 29: "Man, The Hunted." Presented by Robert Sussman, Ph.D., professor of anthropology in Arts & Sciences.

Despite popular theories posed

in research papers and popular literature, early man was not an aggressive killer, Sussman argues. He says primates, including early humans, evolved not as hunters but as prey of many predators, including wild dogs and cats, hyenas, eagles and crocodiles.

Sussman's most recent book, *Man the Hunted: Primates, Predators and Human Evolution*, poses a new theory, based on the fossil record and living primate species, that primates have been prey for millions of years, a fact that greatly influenced the evolution of early man.

April 26: Richard Chapman, senior lecturer in screenwriting in the Program in Film and Media Studies in Arts & Sciences, will talk about his work in Belarus

concerning the harmful health effects from the Chernobyl nuclear disaster. The topic is part of a new docudrama he is writing.

Chapman is a veteran screenwriter and producer in film and television with particular interest in the ways journalists report on war. He recently co-wrote the HBO Original Film *Live From Baghdad*, which told the behind-the-scenes story of CNN's coverage of the early days of the first Persian Gulf War. The film was nominated for three 2003 Golden Globe Awards.

Schlaflly Bottleworks is located at 7260 Southwest Ave. in Maplewood, Mo.

For more information, e-mail sciontap@artsci.wustl.edu or call 935-5285.

Court of appeals session at law school

BY JESSICA MARTIN

The U.S. Court of Appeals for the 8th Circuit will hold a special session from 9-11 a.m. Feb. 14 in the School of Law's Bryan Cave Moot Courtroom in Anheuser-Busch Hall.

The public is invited to hear the denaturalization appeal of a former Nazi concentration camp guard, a prison inmate's civil rights action against Missouri corrections officials, and a psychologist's First Amendment claim alleging wrongful termination for criticizing his employer.

The court periodically holds sessions in law schools as part of an educational program.

Hearing oral arguments will be judges William Jay Riley, Michael J. Melloy and Duane Benton.

A question-and-answer period on procedural issues and judicial clerkships will follow the session.

To limit the amount of disturbances to the proceedings, visitors will be asked to enter and exit the courtroom only during breaks between each attorney's oral argument.

Case briefs for the oral argument session will be on temporary reserve in the law library under "Eighth Circuit Special Session."

For more information, call 935-6430 or go online to law.wustl.edu.

School of Medicine Update

Vitamin A analog is a potential lung cancer preventative

BY GWEN ERICSON

The ideal substance to prevent cancer would block tumor growth without causing unpleasant or dangerous side effects.

Researchers at the School of Medicine are reporting that a compound related to vitamin A shows promise in preventing or slowing tumor growth in mice prone to lung cancer. The compound, called bexarotene, doesn't cause the severe skin irritations that have limited the use of other vitamin A derivatives in cancer therapies.

"In the cancer-prevention field, you look for drugs that can be given to healthy patients who have a higher risk of developing cancer," said Ming You, M.D., Ph.D., director of the Chemoprevention Program at the Siteman Cancer Center. "These patients wouldn't want to take a medication that makes them feel sick when they don't have cancer."

In other studies, bexarotene showed some promise in cancer treatment. It extended survival in patients with non-small cell lung cancer, the most common type of lung cancer and one that has a five-year survival rate of less than

5 percent when diagnosed at the advanced stage.

In the current study, which will appear in an upcoming issue of *Oncogene*, Yian Wang, M.D., Ph.D., associate professor of surgery; You, professor of surgery; and their colleagues demonstrate that lung cancer-susceptible mice receiving non-toxic doses of bexarotene ended up with fewer and smaller benign and malignant tumors than mice that were not treated with bexarotene.

The researchers saw an almost 50 percent reduction in terms of total tumor burden in mice who were given bexarotene for 12 weeks after the animals had already developed benign tumors following injection of a lung carcinogen.

Bexarotene also inhibited the progression of benign to malignant tumors by about 50 percent.

The mice were engineered to have the genetic alterations seen in human lung cancers, so they readily developed lung cancer when given known lung carcinogens.

"Seeing this magnitude of response in such a strongly susceptible mouse suggests bexarotene

"Seeing this magnitude of response in such a strongly susceptible mouse suggests bexarotene is a potentially viable lung cancer-prevention candidate."

MING YOU

is a potentially viable lung cancer-prevention candidate," You said.

Researchers have studied vitamin A analogs called retinoids for several years as potential chemotherapeutic agents because they help regulate cell division, growth, differentiation and proliferation. A new class of these vi-

tamin A relatives has been created that includes bexarotene. These substances are called the retinoids, which tend to be much less toxic than retinoids.

Among them, bexarotene has so far shown the most promise as a chemopreventive medicine. However, although it causes far fewer side effects, bexarotene

does have the effect of increasing blood lipid levels in many patients, so patients often need to take a drug to lower their cholesterol and triglyceride levels.

A new retinoid called UAB30, just becoming available for laboratory studies, seems to have the potential to reduce even the high-lipid side effect.

"We will be testing this new compound, too," You said. "And if it turns out to be effective, these retinoids will most likely become candidates for clinical trials in patients with precancerous nodules or bronchial dysplasia."

"If the trials show reduction of cancers, I think these drugs may well become routinely used for lung cancer prevention."



You

Yoga may reduce metabolic problems in those with HIV

BY JIM DRYDEN

Exercise and similar lifestyle changes may help HIV-positive people avoid metabolic and cardiovascular problems associated with HIV and anti-HIV drugs, School of Medicine researchers are investigating.

The researchers are also studying a new drug therapy and are recruiting volunteers for two clinical trials to test the benefits of exercise and the investigational drug.

Many HIV-positive patients develop diabetes, dyslipidemia, obesity and other metabolic changes that increase cardiovascular disease risk. Led by Kevin E. Yarasheski, Ph.D., associate professor of medicine and of cell biology and physiology, the researchers are testing interventions designed to reduce these metabolic and cardiovascular problems.

"Medical therapy has dramatically improved survival and quality of life for HIV-positive people, but they are living longer and developing traditional cardiovascular disease risk factors," Yarasheski said. "We don't know why, but HIV-positive people are developing insulin resistance, high blood cholesterol, abdominal adiposity and high blood pressure at an alarming rate, so we're looking for safe, effective therapies."

"Established therapies, like exercise and diabetes medications, work well in HIV-negative people, but they need to be tested in HIV-positive people," Yarasheski said. "Other therapies, like yoga, are novel alternative approaches that complement the standard-of-care for HIV, but very little empirical evidence exists to support those approaches."

Yarasheski has studied metabolic syndromes in HIV-positive people for more than 10 years, attempting to discover the underlying biologic impairments in muscle and fat tissue metabolism that cause these syndromes, which are linked to HIV infection and to anti-HIV drugs, and to identify

"Established therapies, like exercise and diabetes medications, work well in HIV-negative people, but they need to be tested in HIV-positive people."

KEVIN YARASHESKI

effective treatments.

Yarasheski and his colleagues at Living By Design in St. Louis are investigating whether a four-month yoga lifestyle intervention program might help alleviate HIV-related metabolic syndromes and reduce cardiovascular disease risk.

The ancient practice of a Hatha/Ashtanga yoga lifestyle has regained popularity as a complementary therapy for metabolic, body composition and cardiovascular problems because it provides integrated control of eating habits, exercise, rest, breathing style and the mind. Through a focus on postures and controlled breathing, yoga is meant to establish a balance among physiological processes.

In this study, volunteers are assigned to a four-month yoga program, taught by certified instructors, or to no yoga, to see if their metabolic, cardiovascular and quality-of-life profiles improve.

Volunteers will receive nutrition counseling and assessments of metabolism, body composition and cardiovascular function. All screening tests and research-related procedures for these studies are free.

Participants also receive either a supervised gym membership or membership in the yoga program, compensation for their time and effort and travel support to and from appointments and workouts.

For more information, call 747-1090 or 747-1982.



Oh baby! Physical therapy students in "Kinesiology II" try to guess how old Brodie Pratt is by his movements while he plays with his grandmother, Sheila Pratt. The students are (from lower left) Joanna Lee, Amy Son, Lauren Rachal and Casey Calder. Eighteen babies from age 4 weeks to 23 months old participated in the class.

Rapid emotional recovery of breast cancer survivors surprises researchers

BY GWEN ERICSON

Contrary to psychologists' expectations, breast cancer survivors don't experience an extended emotional crisis after their treatment regimens end, according to a recent study by researchers at the School of Medicine.

The study was published in a recent issue of *Supportive Care in Cancer*.

"We thought we'd find that women do worse psychologically after treatment," said Teresa L. Deshields, Ph.D., assistant professor of medicine and manager of psycho-oncology services at the Siteman Cancer Center. "That's the clinical lore. After all, many of the patients referred to us are the ones struggling at the end of treatment."

"But our study shows that within two weeks most women adjust very well to survivorship."

The research team surveyed 94 women drawn from patients of the radiation oncology practice at Siteman. The women, averaging 55 years of age, had stage 0, I, II or III breast cancer and at the start of the study were completing the last of a six- to seven-week course of daily radiation treatments.

Researchers surveyed the women five times: on their last day of radiation treatment, two weeks later, 4-6 weeks after their treatment, and at three and six months. The survey measured patients' depressive symptoms and quality of life, a set of attributes that include physical, social/family, emotional and functional well-being and breast cancer-specific concerns.

For the group of breast cancer survivors, the average score for indications of depression was higher at the end of treatment, indicating more severe depressive symptoms, compared with a group of healthy men and women.

The measure of depressive symptoms dropped significantly after treatment, reaching a low two weeks later and staying fairly stable to the six-month time point.

The average quality-of-life score for the breast cancer survivors was low at the end of treatment when tested using a scale that captures important breast-cancer-specific issues. Lower scores indicate worse quality of life.

The average patient's score rose significantly over the survey period. At the two-week mark, the average quality-of-life score for these breast cancer survivors was near the average score of a control group that consisted of other breast cancer patients and reached and then exceeded that number at the time of follow-up and later times.

"Previous studies had never looked at breast cancer survivors so soon after treatment, and we were surprised that most improvement happened so quickly," Deshields said. "There's a concept called resiliency, the notion that people can withstand a lot and come through fine. Our largest patient group by far was these resilient patients who never experienced clinically significant depressive symptoms."

Deshields said oncologists can reassure patients at the end of treatment that their quality of life will improve quickly and any depressive feelings are likely to dissipate soon. However, while most patients do bounce back after treatment, the study also found a small group stayed depressed.

"When treatment ends, suddenly patients are let go — that's very hard for some people," Deshields said. "Often patients try to reintegrate into their usual lives. Inevitably, they find that life is different — they can't go back to where they were before treatment. They have to find a new normal."



Deshields

University Events

Much Ado About Nothing • Health Center Open House

"University Events" lists a portion of the activities taking place Feb. 10-23 at Washington University. Visit the Web for expanded calendars for the Hilltop Campus (calendar.wustl.edu) and the School of Medicine (medschool.wustl.edu/calendars.html).

Exhibits

BAG — Black Artists' Group. In celebration of Black History Month. Through March 5. Olin Library Lobby. 935-6626.

Celebrating 100 Years of Federal Information. Through March 31. Olin Library, Grand Staircase Lobby and Ginkgo Reading Rm. 935-6569.

Shakespeare's Much Ado About Nothing. Through March 6. Olin Library Lobby. 935-5406.

Film

Friday, Feb. 10

3-4 p.m. Nuremberg on Film: Contemporary and Contemporaneous Perspectives. *Nuremberg: Tyranny on Trial, Investigation* (1995). Sponsored by the School of Law. Anheuser-Busch Hall, Rm. 202. 935-7988.

Friday, Feb. 17

3-5 p.m. Nuremberg on Film: Contemporary and Contemporaneous Perspectives. *Nuremberg: U.S. Army Documentary* (1949) and *The Nuremberg Trials: USSR Documentary* (1949). Sponsored by the School of Law. Anheuser-Busch Hall, Rm. 202. 935-7988.

Lectures

Friday, Feb. 10

9:15 a.m. Pediatric Grand Rounds. "Epilepsy Surgery in Childhood: 1/2 a Brain May Be Better Than Seizures and Other Remarkable Facts." W. Donald Shields, Rubin Brown Professor of Pediatrics, U. of Calif.-Los Angeles. Eric P. Newman Education Center. 454-6006.

Noon. Cell Biology & Physiology Seminar. "Common Structures of Amyloid Oligomer and Mechanisms of Pathogenesis in Degenerative Diseases." Charles G. Glabe, prof. of molecular biology & biochemistry, U. of Calif., Irvine. Co-sponsored by Dept. of Molecular Biology & Pharmacology. McDonnell Medical Sciences Bldg., Rm. 426. 362-4690.

12:30-4:30 p.m. St. Louis STD/HIV Prevention Training Center. "Laboratory Methods." (Continues 12:30-4:30 p.m. Feb. 17.) Cost: \$75. For location and to register: 747-1522.

Saturday, Feb. 11

8 a.m.-3:45 p.m. Hematology Oncology CME Course. "Review of the 2005 San Antonio Breast Cancer Symposium." Cost: \$55. Eric P. Newman Education Center. To register: 362-6891.

Monday, Feb. 13

Noon. Molecular Biology & Pharmacology Seminar. "Adult Stem Cell Regulation in the *Drosophila* Gastrointestinal Tract." Craig Michelli, postdoctoral fellow in genetics, Harvard U. South Bldg., Rm. 3907, Philip Needleman Library. 747-3339.

3 p.m. Neuro-oncology Research Group Seminar Series. "Genetically-engineered

Mice to Understand Human Brain Tumors." David H. Gutmann, Donald O. Schnuck Family Professor of Neurology. McDonnell Medical Sciences Bldg., Rm. 928. 454-8981.

4 p.m. Immunology Research Seminar Series. "Regulation by Inhibitory Signaling and Development." Ken Murphy, prof. of pathology & immunology. Moore Aud., 660 S. Euclid. 362-2763.

4 p.m. Physics Colloquium. "Real-time Microscopy Study of Synapse Formation in Neurons." Sophie Pautot, dept. of molecular and cell biology, U. of Calif.-Berkeley. (3:30 p.m. coffee, Compton Hall, Rm. 245.) Crow Hall, Rm. 204. 935-6276.

4 p.m. Religious Studies Lecture. E.G. Welton Lecture in Early Christianity. "Who Are We Really? A Platonist's Contribution to Christianity." Margaret R. Miles, author & dean emeritus, Graduate Theological Union, Berkeley, Calif. Women's Bldg. Formal Lounge. 935-7752.

7 p.m. Assembly Series Lecture. "Telling Tales on Canvas: Landscapes of Environmental Change." William J. Cronon, Frederick Jackson Turner and Vilas Research Professor of History, Geography and Environmental Studies, U. of Wis. Co-presented by the Sam Fox School of Design & Visual Arts lecture series. Steinberg Hall Aud. 935-9347.

Tuesday, Feb. 14

10:30 a.m. Systems Science & Mathematics Lecture. Zaborsky Lecture Series. "Multiresolution Markov Models, Graphical Models and Sensor Networks." Alan S. Willskey, Edwin Sibley Webster Professor of Electrical Engineering, Mass. Inst. of Technology. (Continues 10:30 a.m. Feb. 15 & 16.) Whitaker Hall, Rm. 100. 935-5565.

Noon. Law School Jewish Lunch & Learn. "Examining Secular Issues and Jewish Law." Rabbi Hershey Novack, Chabad on Campus. Anheuser-Busch Hall, Rm. 307. 721-2884.

Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series. "Regulatory Networks Controlling Bacterial Physiology & Virulence." Eduardo Groisman, prof. of molecular microbiology. Cori Aud., 4565 McKinley Ave. 362-8873.

Wednesday, Feb. 15

8:30 a.m.-4 p.m. Center for the Application of Information Technology Two-day Workshop. "Business Finance & Budget Fundamentals for IT Professionals." (Continues 8:30 a.m.-4 p.m. Feb. 16.) Cost: \$820, reduced fees available for CAIT member organizations. CAIT, 5 N. Jackson Ave. To register: 935-4444.

11 a.m. Assembly Series. Social Justice Center/Mortarboard Lecture. "How to Rent a Negro." damali ayo, conceptual/performance artist. Graham Chapel. 935-4620.

Noon. Midwest Regional Center of Excellence (MRCE) for Biodefense and Emerging Infectious Diseases Research Public Health Update. "Avian Influenza." Steven J. Lawrence, assoc. dir. for emergency response planning, MRCE. McDonnell Pediatric Research Bldg., 4905 Children's Place. To register: 286-0432.

4 p.m. Physics Colloquium. "Changing Phases: Exploring Transitions in Soft Materials." Suliana Manley, Dept. of Chemical Engineering, Mass. Inst. of Technology. (3:30 p.m. coffee, Compton Hall, Rm. 245.) Crow Hall, Rm. 204. 935-6276.

7 p.m. Chabad on Campus Mysticism Lecture Series. Simon Hall, Rm. 105. 721-2884.

Thursday, Feb. 16

Noon. School of Law "Access to Justice"

Cronon to speak on landscape & environmental change Feb. 13

Environmental historian William J. Cronon, Ph.D., D.Phil., will speak on "Telling Tales on Canvas: Landscapes of Environmental Change" at 7 p.m. Feb. 13 for the Sam Fox School of Design & Visual Arts.

The talk — co-sponsored by the Assembly Series and the Pulitzer Foundation for the Arts — comes as part of "Unsettled Ground: Nature, Landscape and Ecology Now!" a yearlong series of lectures, panel discussions, artistic interventions and workshops exploring the intersection of contemporary architecture, art, ecology and urban design.

The lecture is free and open to the public and will take place in the Sam Fox School's Mildred Lane Kemper Art Museum in Steinberg Hall.

Cronon, the Frederick Jackson Turner and Vilas Research Professor of History, Geography and Environmental Studies at

the University of Wisconsin, studies the history of human interaction with the natural world: how we depend on the ecosystems around us to sustain our material lives; how we modify the landscapes in which we live and work; and how our ideas of nature shape our relationships with the world around us.

His first book, *Changes in the Land:*

Indians, Colonists, and the Ecology of New England (1983), examined changes in the New England landscape as control of the region shifted from Native Americans to European colonists.

His Pulitzer Prize-nominated *Nature's Metropolis: Chicago and*

the Great West (1991) focused on Chicago's relationship with its rural hinterland during the second half of the 19th century.

In 1995, Cronon edited *Uncommon Ground: Rethinking the Human Place in Nature*, an influential essay collection exploring the impact of cultural ideas about nature on modern environmental problems.

He has been a Rhodes Scholar, a Danforth Fellow, a Guggenheim Fellow and a MacArthur Fellow.

The "Unsettled Ground" lectures are co-financed by funds given to WUSTL for collaborative, interdisciplinary programming between the Sam Fox School of Design & Visual Arts and the Pulitzer Foundation for the Arts.

For more information, call 935-9347; e-mail samfoxschool@wustl.edu; or go online to assemblyseries.wustl.edu.

Cronon

Indians, Colonists, and the Ecology of New England (1983), examined changes in the New England landscape as control of the region shifted from Native Americans to European colonists.

His Pulitzer Prize-nominated *Nature's Metropolis: Chicago and*

Public Interest Law Speakers Series. "The Presumption of Liberty and the Public Interest: Medical Marijuana and Fundamental Rights." Randy Barnett, Austin B. Fletcher Professor of Law, Boston U. Anheuser-Busch Hall. 935-6419.

4 p.m. Center for the Humanities Faculty Fellows Lecture & Workshop Series. "How Jewish Is It? Translations of Jewish Memory in Contemporary German Culture." Leslie Morris, assoc. prof. of German and director of the Center for Jewish Studies, U. of Minn. Anheuser-Busch Hall, Rm. 305. 935-5576.

4 p.m. Chemistry Seminar. "Isostructural Dopants for Molecular Semiconductors: Organic Molecules in Unusual Oxidation States." Thomas P. Vaid, asst. prof. of chemistry. McMillen Lab., Rm. 311. 935-6530.

4:15 p.m. Earth & Planetary Sciences Colloquium. "Presolar Grains and the Early Solar System." Frank Stadermann, sr. research scientist in physics. Earth & Planetary Sciences Bldg., Rm. 203. 935-5610.

How to submit 'University Events'

Submit "University Events" items to Genevieve Posey of the Record staff via:

- (1) e-mail — recordcalendar@wustl.edu;
- (2) campus mail — Campus Box 1070; or
- (3) fax — 935-4259.

Deadline for submissions is noon on the Thursday eight days prior to the publication date.

Friday, Feb. 17

9:15 a.m. Pediatric Grand Rounds. "Diagnosis and Treatment of Farcon's Anemia." Marcus Grompe, prof. of medical & molecular genetics, Ore. Health & Science U. Clifton Aud., 4950 Children's Place. 454-6006.

Noon. Cell Biology & Physiology Seminar. "Apoptotic Checkpoints at the Mitochondrion." Emily Cheng, asst. prof. of internal medicine. Co-sponsored by molecular biology & pharmacology. McDonnell Medical Sciences Bldg., Rm. 426. 362-7437.

Monday, Feb. 20

Noon. Molecular Biology & Pharmacology Seminar. "Cracking the Secret of Youth: From Early Embryos to Embryonic Stem Cells." Qun Tian Wang, research assoc., Dept. of Biochemistry, Stanford U. South Bldg., Rm. 3907, Philip Needleman Library. 747-3339.

Noon. School of Law "Access to Justice" Public Interest Law Speakers Series. "Lawyers and Labor: The Role of Law in Organizing Low-wage Workers." Jennifer Gordon, assoc. prof. of law, Fordham U. Anheuser-Busch Hall. 935-6419.

4 p.m. Eighteenth-century Interdisciplinary Salon Lecture. "Exotic Abortifacients: Gender Politics in the Eighteenth-century Atlantic World." Londa Schiebinger, John L. Hinds Professor of History of Science, Stanford U. Co-sponsored by the depts. of History and Romance Languages and by Women and Gender Studies. Women's Bldg. Formal Lounge. 935-5175.

5:30 p.m. Cardiac Bioelectricity and Arrhythmia Center Seminar. "Molecular Imaging and Targeted Therapeutics: Prospects for High Payload Drug Delivery With Novel Pharmacokinetic/Pharmacodynamic Profiles." Samuel A. Wickline, prof. of medicine. (5 p.m. refreshments.) Whitaker Hall, Rm. 218. 935-7887.

Tuesday, Feb. 21

Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series. "Sphingolipid-mediated Fungal Pathogenesis." Maurizio Del Poeta, assoc. prof. of biochemistry & molecular biology, U. of S.C. Cori Aud., 4565 McKinley Ave. 747-5597.

Noon. Program in Physical Therapy Research Seminar. "Skeletal Response to Fatigue Loading." Matthew Silva, assoc. prof. of orthopaedic surgery and of biomedical engineering. 4444 Forest Park Blvd., Lower Lvl., Rm. B112. 286-1404.

Wednesday, Feb. 22

7:45 a.m.-6:15 p.m. Surgery CME Course. "Annual Refresher Course & Update in General Surgery." (Continues 7:30 a.m.-4:45 p.m. Feb. 23; 7:30 a.m.-9:30 p.m. Feb. 24 and 7:30-11:30 a.m. Feb. 25.) Cost: \$475 for physicians, \$375 for physician in training/allied health professionals, with additional course options. The Ritz-Carlton, 100 Carondelet Plaza. For more information and to register: 362-6891.

11 a.m. Assembly Series. ArtSci Council Lecture. "Hearts of Children and the Obligation of Our Nation's Schools." Jonathan Kozol, author. Graham Chapel. 935-4620.

Noon. Work, Families, and Public Policy Brown Bag Seminar Series. "The Timing of Childbearing Among Heterogeneous Women in Dynamic General Equilibrium." Ping Wang, Seigle Family Professor in Arts & Sciences. Eliot Hall, Rm. 300. 935-4918.

4 p.m. Center for New Institutional Social Sciences Speaker Series. Jenna Bednar, asst. prof. of political science, U. of Calif.-San Diego. Eliot Hall, Rm. 300. 935-5068.

7 p.m. Chabad on Campus Mysticism Lecture Series. Simon Hall, Rm. 105. 721-2884.

7 p.m. Jewish, Islamic and Near Eastern Studies Lecture. Adam Cherrick Lecture in Jewish Studies. "Must a Jew Believe Anything?" Menachem Kellner, prof. of Jewish thought, U. of Haifa, Israel. (Kosher reception follows.) Women's Bldg. Formal Lounge. 935-8567.

Thursday, Feb. 23

4 p.m. Assembly Series. Helen Clanton Morrill Lecture. "Bartlett's Familiar Shakespeare: The Pleasures and Pitfalls of Quotations." Marjorie Garber, author, prof. of English and dir. of the Humanities Center, Harvard U. Edison Theatre. 935-4620.

4 p.m. Chemistry Seminar. "Acidophile Enzymes Pass the Acid Test." T. Joseph Kappock, asst. prof. of chemistry. McMillen Lab., Rm. 311. 935-6530.

4 p.m. Ophthalmology & Visual Sciences Seminars. "Light at the End of the Tunnel: Organelle Degradation in the Developing Lens." Steve Bassnett, assoc. prof. of ophthalmology & visual sciences. Maternity Bldg., Rm. 725. 362-1006.

Music

Sunday, Feb. 19

3 p.m. Concert. Concert Choir of Washington University and the Saint Louis Chamber Chorus. Cost: \$18, \$16 for students and seniors. Cathedral-Basilica of Saint Louis. (636) 458-4343.

On stage

Saturday, Feb. 11

8 p.m. OVATIONS! Series. Soweto Gospel Choir. Cost: \$28, \$24 for seniors, WUSTL faculty & staff, \$18 for students & children. Edison Theatre. 935-6543.

Sports

Friday, Feb. 10

6 p.m. Women's Basketball vs. Case Western Reserve U. Athletic Complex. 935-4705.

8 p.m. Men's Basketball vs. Case Western Reserve U. Athletic Complex. 935-4705.

Sunday, Feb. 12

1 p.m. Men's Basketball vs. Emory U. Athletic Complex. 935-4705.

3 p.m. Women's Basketball vs. Emory U. Athletic Complex. 935-4705.

damali ayo to explore race relations

By NADEE GUNASENA

Conceptual artist and African-American activist damali ayo will give a presentation at 11 a.m. Feb. 15 in Graham Chapel for the Assembly Series.

The event, co-sponsored by Mortarboard and the Social Justice Center, is a multimedia presentation that interacts directly with the audience to address issues of racial injustice.

Ayo's presentation is a searing commentary on the state of race relations in America today. It's built upon the themes she presents in her satirical book, *How to Rent a Negro*, in which she takes the concept of African-Americans as a commodity to extremes to make the point that American

society still objectifies African-Americans.

"My work has a relentless desire to engage the audience and generate an authentic experience for our society," ayo said. "I explore social and political issues that permeate our culture and my everyday experience. I strive to create a shift in a viewer's perspective on our world and their position within it."

Controversial cultural and racial issues form the foundation of ayo's dialogue-driven art. She uses various forms of performance, such as panhandling for slavery reparations on the streets of America's major cities, to make people re-evaluate their preconceptions.

"My work leaves my audience

pondering discomfort, confusion, anger, joy, sadness, emotions of all kinds," ayo said. "I am an honest manipulator, presenting contradictions and demanding response."

In recent years, ayo's art has generated considerable attention, with solo and group exhibitions around the country, including Chicago, New York, Portland, Ore., and also in Spain.

Ayo graduated with a bachelor's degree in American civilization and public policy/American institutions from Brown University. She is a master of fine arts candidate in studio art from Portland State University.

For more information, call 935-4620 or go online to assemblyseries.wustl.edu.

Libraries hosting events highlighting federal records

From January-March, University Libraries is hosting an exhibition, two talks and a commemorative program celebrating the libraries' 100 years as a federal depository library, drawing attention to its extensive collection of government documents and highlighting some specific projects of University faculty and graduate students that were shaped by government documents.

From the U.S. Constitution to

the Patriot Act, from 19th-century illustrations of the Grand Canyon to photographs of the surface of Mars, government documents reflect our country's history and ongoing debates and interests.

Every year, the U.S. government distributes thousands of these publications — as well as a growing number of electronic documents — through its Government Printing Office and the Federal Depository Library Program, a network of more than 1,250 li-

braries around the country.

As one of these libraries, University Libraries are responsible for making government information freely available to the public. The exhibition — *Celebrating 100 Years of Federal Information* — showcases documents relating to major historical events since the 1790s, including important moments in the history of St. Louis and Missouri, and reveals how beautiful some of these documents can be.

The main event in the libraries' commemoration, the "Celebrating 100 Years of Federal Information" presentation, exhibition viewing and reception, will be from 4-6 p.m. Feb. 15 in Rebstock Hall, Room 215.

The presentation will feature special recognition of the libraries by Judith Russell, U.S. superintendent of documents and managing director of information dissemination at the U.S. Government Printing Office. Wayne Fields, Ph.D., the Lynne Cooper Harvey Professor in English and director of American Culture Studies, both in Arts & Sciences, also will speak.

This program will be followed by a reception and exhibit viewing in Olin Library's Ginkgo Reading Room, where curators will be on hand to answer questions. R.S.V.P.s are being requested for this event, via a 24-hour recorded response line (935-8003) or e-mail (events@wustl.edu).

Other events include:

- **Jan. 31**, 4-5 p.m., Olin Library's Ginkgo Reading Room: Crystal Alberts, Ph.D. candidate in English, will present a talk titled "Analyzing the Blur: Don DeLillo's 'Definitive Meditation' on the JFK Assassination." Alberts will discuss her research on DeLillo's use of the Warren Commission Report and other government documents to blend fact and fiction into a re-

construction of the JFK assassination in his novel *Libra*.

- **Feb. 7**, 7-8 p.m., online: A webcast titled "Great Government Documents" will air on the University of Missouri's LIS Radio program *First Tuesday*. The program will feature Barbara Rehkop, WUSTL government documents librarian, and Laurie Canepa, New Mexico regional federal documents librarian.

After the live broadcast, the program will be available online. To listen, go to lisradio.missouri.edu.

- **March 21**, 4-5 p.m., Olin Library's Ginkgo Reading Room: Henry W. Berger, Ph.D., professor emeritus of history in Arts & Sciences, will give a talk titled "Dropping the Bomb: The Decision to Use Atomic Bombs Against Japan in World War II." Berger will discuss the ongoing debate on the U.S. decision to deploy nuclear weapons against Japan in 1945.

The exhibit can be seen during Olin Library's regular hours: Monday-Thursday, 7:30 a.m.-2 a.m.; Friday, 7:30 a.m.-8 p.m.; Saturday, 9 a.m.-10 p.m.; and Sunday, 10 a.m.-2 a.m.

For more information about government documents and some of the research involving them at the University, go online to library.wustl.edu/govdocs100.html.

For directions or more information, call 935-6569.

Morris to launch Faculty Fellows series

Leslie Morris, Ph.D., associate professor of German and director of the Center for Jewish Studies at the University of Minnesota, will speak on "How Jewish Is It? Translations of Jewish Memory in Contemporary German Culture" at 4 p.m. Feb. 16 in Anheuser-Busch Hall, Room 305.

Morris is the first of six speakers appearing this spring as part of The Center for the Humanities in Arts & Sciences' 2006 Faculty Fellows' Lecture and Workshop Series.

Her talk will address the relationship between Jewish text and text as ruin that has emerged as a dominant trope of contemporary German Jewish culture.

In addition, Morris will lead a workshop at 10 a.m. Feb. 17 in the Arts & Sciences Laboratory Sciences Building, Room 201. The

discussion will focus on recent critical work in the fields of Jewish history, anthropology and Diaspora studies — work that suggests new approaches to the influence of "place" of Germany in the emergence of Jewish culture in modernity.

She is the author of *Reading History in the Poetry of Ingeborg Bachmann* (2001) and co-editor of *Contemporary Jewish Writing in Germany* (with Karen Remmler, 2002) and *Unlikely History: The Changing German-Jewish Symbiosis* (with Jack Zipes, 2002).

She is completing a book titled *Mourning Place: Translating Jewish Memory in Germany Today*.

Morris earned a doctorate in Germanic languages and literatures from the University of Massachusetts in 1992.

Subsequent speakers in the

Faculty Fellows series will be:

- **March 2**: Harriet Stone, Ph.D., professor of Romance languages & literatures in Arts & Sciences at WUSTL.

- **March 9**: Peter Kastor, Ph.D., assistant professor of history in Arts & Sciences at WUSTL.

- **March 23 & 24**: Martha Sandweiss, Ph.D., professor of American studies and history at Amherst College.

- **April 17**: Erin McGlothlin, Ph.D., assistant professor of Germanic language & literatures in Arts & Sciences at WUSTL.

- **April 24 & 25**: Mariët Westermann, Ph.D., director of the Institute of Fine Arts at New York University.

The Feb. 16-17 events are free and open to the public. For seat reservations or more information, call 935-5576.

Artists' group to explore power, fashion & feminism

By LIAM OTTEN

"Two Girls Working," the collaborative team of artists Tiffany Ludwig and Renee Piechocki, will screen and discuss a documentary about their ongoing project, *Trappings*, at 8 p.m. Feb. 16 in Urso's Lounge in Gregg

House.

Trappings investigates the relationship between power and self-presentation by asking women to respond to the question, "What do you wear that makes you feel powerful?"

Since 2001, the artists have conducted almost 500 interviews with women from across the United States, and plan to interview 10-15 women while at WUSTL.

Responses — which are being collected for a traveling exhibition and multimedia Web site as well as the documentary — have ranged from simple descriptions of an outfit's comfort to complex analysis of class and social strata to the use of sex as strategy in business and social settings.

The result is a project that blurs the lines between performance, visual art, public art and oral history.

"Our interview sessions are based on a very traditional model, the Tupperware or Mary Kay house party," the artists note. "We encourage dialogue about

power by tapping into the same women's networks that Mary Kay uses to sell lipstick.

"At the same time, this model also benefits the project in important ways; in particular, the house-party format allows people to feel at ease amongst an audience of friends, colleagues or new acquaintances."

After the screening, Barbara Baumgartner, Ph.D., associate director of the Women and Gender Studies Program in Arts & Sciences, will host a discussion with the artists.

The event, which is free and open to the public, is sponsored by the Mildred Lane Kemper Art Museum and the College of Art's Fashion Design Program — both part of the Sam Fox School of Design & Visual Arts — as well as by Urso's Night Life, the Office of Residential Life, and Women and Gender Studies.

For more information about the screening, call 935-7918.

For more information about the project, go online to twogirlsworking.com.

And more...

Wednesday, Feb. 15

4-6 p.m. University Libraries Program, Exhibition Viewing, and Reception. "Celebrating 100 Years of Federal Information." Judith Russell, U.S. superintendent of documents; and Wayne Fields, Lynne Cooper Harvey Professor of English & dir. of American Culture Studies. Rebstock Hall, Rm. 215. 935-6569.

7-8 p.m. Olin Library Workshop. "Finding Data & Statistics." (Also 5-6 p.m. Feb. 21.) Olin Library, Lvl. A, Arc Lab. 935-5492.

Thursday, Feb. 16

5-6 p.m. Olin Library Workshop. "Research in Popular Culture." (Also 4-5 p.m. Feb. 22.) Olin Library, Lvl. A, Arc Lab. 935-5492.

6 p.m. Center for the Study of Ethics & Human Values Ethics Night Program. "Universities Teach Free Speech... BUT DO THEY ALLOW IT?" Simon Hall, May Aud. 935-9358.

Friday, Feb. 17

10 a.m. Center for the Humanities Faculty Fellows' Lecture & Workshop Series. Workshop: "German Studies/Jewish Cultural Studies/Diaspora Studies: The 'Place' of Germany." Leslie Morris, assoc. prof. of German and director of the Center for Jewish Studies, U. of Minn. Lab Sciences Bldg., Rm. 201. 935-5576.

Monday, Feb. 20

11:30 a.m.-4:30 p.m. Blood Drive. Co-sponsored by North Side Association and Sigma Alpha Epsilon Fraternity. (Also 11:30 a.m.-4:30 p.m. Feb. 21, Mallinckrodt Student Center, Lower Lvl., The Gargoyle; 5-10 p.m. Feb. 22 & 23, Wohl Student Center, Friedman Lounge, and Village House Dining Rm. D.) Mallinckrodt Student Center, Lower Lvl., The Gargoyle. 935-5066.

Tuesday, Feb. 21

4-7 p.m. Health & Wellness Center Open House. Open to students, faculty & staff. Student Health Services Health & Wellness Center, Forsyth House. R.S.V.P. to mrurwitch@wustl.edu.

Student theater group to present short works Feb. 11-12

The student theater group Cast'n'Crew will present its third annual "10-Minute Play Festival" Feb. 11-12 in The Village Theater.

Cast'n'Crew gives students the opportunity to experience all aspects of theater production. Students can act, write, direct, design, produce, publicize and work on the business side of shows.

The "10-Minute Play Festival" will include seven short works written by students and recent alumni. Performances begin at 2 and 5 p.m. Feb. 11 and at 7 p.m. Feb. 12.

The lineup includes:

- *If the Message Had Gotten to Mantua*, written and directed by Carolyn Kras.

- *The Amazing and Spectacular Women With 100 Characters*, written by Dan Rubin and directed by Liz Calvert.

- *moot*, written by Nick Rogers and directed by Ted Drury.

- *Very Experimental: A Play About You*, written by DJ Sanders and directed by Cory Coleman.

- *Goodnight Pumpkins / On the Way From R to U A Whore Sees Soup: A Sometimes Musical And Otherwise Tragicomedy*, written by John Stadler and directed by Dan Hirsh.

- *Debugging Your Girlfriend: A Beginner's Guide*, written by Drury and directed by Chris Wilson.

- *Never Wanted To (I Can't Help It): A Story of Love and Murder a.k.a. The Black Bear Is Attacking My Marriage: A Tragedy: Redux*, written by Calvert and directed by Deirdre O'Rourke and Justin Rincker.

Tickets are \$4. For more information, e-mail castncrew@fastmail.fm.

Dhomhnaill, Akins to read Feb. 13 & 16

Irish poet Nuala Ni Dhomhnaill, hailed by the *Irish Literary Supplement* as the "most acclaimed Gaelic poet of the century," will read from her work at 8 p.m. Feb. 13.

In addition, fiction writer Ellen Akins will read from her work at 8 p.m. Feb. 16.

Both events are free and open to the public and will take place in Hurst Lounge, Duncker Hall, Room 201.

Dhomhnaill, who writes exclusively in Irish Gaelic, was born in Lancashire, England, in 1952 and raised in Ireland.

Her books include *An Dealg Droighin* (1981) and *Féar Suaitheinseach* (1984) — both of which were awarded the Arts Council Prize for Poetry and the Séan O Riordáin Award — and *Feis* (1991).

Her books in English translation include *Rogha Dánta* (1986), *Pharaoh's Daughter* (1990), *The*

Astrakhan Cloak (1992), *Cead Aighnis* (1998) and *The Water House* (2000).

Her poems have been translated by a who's who of Irish poetry, including Seamus Heaney, Paul Muldoon, Derek Mahon, Michael Longley, Medbh McGuckian, Ciaran Carson, John Montague and Eiléan Ni Chuilleanáin.

Akins, born and raised in South Bend, Ind., is the author of four novels, including *Home Movie: A Novel* (1988), *Little Women: A Novel* (1990) and *Hometown Brew* (1998), as well as a collection of short stories, *World Like a Knife* (1991).

She has been the recipient of grants from the National Endowment for the Arts and the Ingram Merrill Foundation; a Literature Award from the American Academy of Arts and Letters; and a Whiting Writer's Award.

For more information, call 935-7130.

Record

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Washington University in St. Louis

WUSTL joins national RecycleMania contest

By ANDY CLENDENNEN

What's a little friendly competition among schools? We have athletic contests, debate showdowns and mock trials.

But now comes another contest in which schools take on more than one opponent at a time — and at the same time make for a healthier environment.

Welcome to RecycleMania, a national competition among university recycling programs that provides students a proactive exercise in waste reduction.

Over a 10-week period — under way through April 8 — schools compete in different contests to see which institution can collect the largest amount of recyclables and the least amount of trash, and have the highest recycling rate.

The university that recycles the most wins.

According to the contest's Web site, "The main goal of this event is to increase student awareness of campus recycling and waste minimization. In the end, this event

shows that all participating universities have made achievements in recycling and waste reduction!"

For the 2004 event, RecycleMania partnered with the U.S. Environmental Protection Agency's WasteWise program to enhance the competition, providing technical assistance, a Web site and electronic reporting.

The 2005 competition had 47 participating schools and included two competitions, per capita recycling and recycling rate. Miami University won the former; California State University-San Marcos won the latter.

"Students can help by sincerely making an effort to recycle as much of their solid waste as possible in University recycling containers," said Bruce Backus, assistant vice chancellor for environmental health and safety. "The Committee on Environmental Quality has been working with the University in placing additional recycling containers throughout the campus."

The 2006 RecycleMania competitions include:

- Per Capita Classic: Schools

will compete to see which can collect the largest amount of acceptable recyclables per person — this is the original RecycleMania competition.

- Waste Minimization: Schools will compete to see which produces the least amount of municipal solid waste (including both recyclables and trash) per person. This competition is intended to reward those schools that generate the least amount of waste and recyclables, emphasizing reuse and source reduction over recycling.

Additional recognition will be afforded as follows:

- Grand Champion: Schools that participate in both the Per Capita Classic and the Waste Minimization competitions are automatically eligible to become the "grand champion" of RecycleMania.

The grand champion will be the school that, based on their combined results, demonstrates the greatest achievement in both source reduction and recycling.

- Targeted Materials: In addition to reporting the total amount

Recycling

Mixed paper includes phone books, magazines

— from Page 1

paper, stapled documents, folders and boxes from food products.

Excluded items include the hard cover from a book, corrugated cardboard and any item that has food products on it.

Another container commonly seen is one labeled "co-mingle." This program includes all clean

of materials recycled, schools will have the option to report recycled materials separately, including bottles and cans, corrugated food service organics, and paper. RecycleMania will provide targeted recognition opportunities to schools that conduct successful campaigns to increase the amount of specific materials collected.

Acceptable materials for recycling include paper, boxboard, catalogs, hard and softbound books, junk mail, magazines,

common food, drink and household product containers and packaging. However, wax-coated drinking cups are excluded from this.

Questions about the program can be directed to the following people:

- Interior containers — Jan Schade, facilities; 935-4472.
- Exterior containers — Paul Norman, facilities; 935-4533.
- Residence hall interior containers — Curt Harres, residential life; 935-5074.
- Program details — Donna Hall, environmental health & safety; 935-4650.

newspapers, office paper (all colors), phone books, cardboard, baled and unbaled cardboard boxes — as long as they are not contaminated with waste food products.

Acceptable recyclable containers include No. 1 and No. 2 plastic (soda, water, juice, beer and laundry detergent bottles), aluminum cans, glass and steel cans.

For more information, go online to recyclemaniacs.org and ehs.wustl.edu/new/recycling.htm.

AAAS

Publishes Science, books, newsletters and reports
— from Page 1

booth on "St. Louis Row" in the exhibit hall. The Mars rover replica from the Department of Earth and Planetary Sciences in Arts & Sciences will be the centerpiece.

The work of WUSTL faculty Joseph J.H. Ackerman, Ph.D., chair of the Department of Chemistry in Arts & Sciences and the William Greenleaf Eliot Professor; Raymond E. Arvidson, Ph.D., chair of earth and planetary sciences and the James S. McDonnell Distinguished University Professor;

Alison M. Goate, D.Phil., the Samuel and Mae S. Ludwig Professor of Genetics in the Department of Psychiatry and professor of genetics and of neurology in the School of Medicine; and Barbara A. Schaal, Ph.D., the Spencer T. Olin Professor in Arts & Sciences in biology and professor of genetics in the School of Medicine, will be summarized as examples of the breadth and excellence of scientific efforts at the University.

On Feb. 18, Ursula W. Goodenough, Ph.D., professor of biology, will give a plenary lecture titled, "The History of Nature: Why Aren't We Teaching It in Our Schools?"

Keeping in line with the theme of "Grand Challenges, Grand Opportunities," Himadri B. Pakrasi, Ph.D., professor of biology, will discuss the University's own Grand Challenge Project in membrane biology that is using a systems approach to understand the network of genes and proteins that govern the structure and function of membranes, and their components responsible for photosynthesis and nitrogen fixation in two species of unicellular cyanobacteria.

Pakrasi heads a system biology program funded by the W.R. Wiley Environmental Molecular Sciences Laboratory, a National User facility managed by the Pacific Northwest National Laboratory for the Department of Energy. This program features an elaborate international collaboration involving six university laboratories and 10 national laboratory groups.

Among other presenters from the Hilltop Campus are Steven G. Krantz, Ph.D., professor of mathematics in Arts & Sciences, who will partake in a session devoted to the changing nature of mathematical proof; and Alan R. Templeton, Ph.D., professor of biology, who will provide a detailed discussion on the veracity of the late

Ernst Mayr's theory of genetic revolution.

Numerous outreach program presenters will participate in educational sessions. Sarah C.R. Elgin, Ph.D., professor of biology, of biochemistry and molecular biophysics and of genetics in the School of Medicine and of education in Arts & Sciences, will make two presentations. One will be on undergraduate students' experiences with research programs; the other will be on the effectiveness of partnerships in support of genetics and genomics in K-12 and undergraduate curricula.

David F. Gillespie, Ph.D., professor in the George Warren Brown School of Social Work, will discuss earthquake risks in the central United States. Ernst K. Zinner, Ph.D., research professor in physics and in earth and planetary sciences, both in Arts & Sciences, will present an overview of research in solar-system grains in meteorites.

From the School of Medicine, Steven L. Teitelbaum, M.D., the Messing Professor of Pathology and Immunology, will speak during a session on stem-cell legislation and policy.

He will speak on translating complex and controversial scientific information for the nonscientific community. The symposium will use the stem-cell legislation in Missouri as a case study.

Richard D. Todd, M.D., Ph.D., director of the Division of Child Psychiatry in Psychiatry, the Blanche Ittleson Professor of Psychiatry (Child Psychiatry) and professor of genetics; and John N. Constantino, M.D., associate professor of psychiatry and of pediatrics, will speak on the family and genetic basis of autistic spectrum disorders and attention deficit/hyperactivity disorder syndromes.

Carla L. Easter, Ph.D., research instructor in genetics in the School of Medicine, will present during a session on partnerships that have benefited the local community by increasing exposure and access to the resources within the neighborhood. Easter, director of the outreach program at the Genome Sequencing Center, will speak about how separate science and community outreach efforts can keep their autonomy while working toward a common goal.

Shin-ichiro Imai, M.D., Ph.D., assistant professor of molecular biology and pharmacology and of medicine, will speak about a genetic basis for potential anti-aging therapies. Cynthia A. Wichelman, M.D., assistant professor of emergency medicine, will talk about the WUSTL Mini-Medical School, which under her direction provides an opportunity for the com-

Faculty & administrators' AAAS topics

Below are WUSTL faculty and the topics they will discuss at the American Association for the Advancement of Science's annual meeting Feb. 16-20 at the Renaissance Grand in St. Louis.

Carolyn J. Anderson, Ph.D., associate professor of radiology and of molecular biology and pharmacology in the School of Medicine. Organizer, "Frontiers in Biological Imaging: From Cells to Humans."

Morrah R. Beck, Division of Biology and Biomedical Sciences graduate research assistant. Organizer, "It Takes a Village: Partnering Schools With the Community To Raise Future Chiefs."

Theodore J. Cicero, Ph.D., vice chancellor for research; associate vice chancellor and associate dean for animal affairs; vice chairman for research, Department of Psychiatry; professor of neurobiology and of neuropharmacology in the School of Medicine. "What Is the Relationship of Public Policy, Public Accountability and Public Trust?"

C. Robert Cloninger, M.D., the Wallace Renard Professor of Psychiatry and professor of genetics in the School of Medicine. Organizer, "Man the Hunted and the Evolution of Sociality."

Jere Confrey, Ph.D., professor of education in Arts & Sciences. "Evaluation Framework and Comparative Analysis."

John N. Constantino, M.D., associate professor of psychiatry and of pediatrics in the School of Medicine. "Family and Genetics of Reciprocal Social Behavior, Attention and Impulsivity."

James W. Davis, Ph.D., professor emeritus of political science in Arts & Sciences and director of the Richard A. Gephardt Institute for Public Service. "Shaping Public Policy: A Case Study on Stem Cell Legislation."

Michael G. Douglas, Ph.D., associate vice chancellor, director of technology management. "Connecting Technology to Commercial Ventures: The University Interface."

Carla L. Easter, Ph.D., research instructor in genetics at the School of Medicine. "Maintaining Partnerships for Health Sciences Community Outreach."

Sarah C.R. Elgin, Ph.D., professor of biology in Arts & Sciences; of biochemistry and molecular biophysics and of genetics in the School of Medicine; and of education in Arts & Sciences. "Effective Partnerships Support-

ing Genetics and Genomics in the K-12 and Undergraduate Curriculum" and "What Do Undergraduates Gain from a Research Experience?"

David F. Gillespie, Ph.D., professor in the George Warren Brown School of Social Work. "What Constitutes Acceptable Earthquake Risk in the Central United States?"

Ursula W. Goodenough, Ph.D., professor of biology in Arts & Sciences. "The History of Nature: Why Aren't We Teaching It in Our Schools?"

John E. Heuser, M.D., professor of cell biology and physiology in the School of Medicine. "Imaging Activities Inside Living Cells by Quick-Freezing and Electron Microscopy."

Shin-ichiro Imai, M.D., Ph.D., assistant professor of molecular biology and pharmacology and of medicine in the School of Medicine. "Genetic Basis for Possible Anti-Aging Therapies."

F. Scott Kieff, J.D., associate professor in the School of Law. "A Comparative Institutional Analysis of Intellectual Property."

Steven G. Krantz, Ph.D., professor of mathematics in Arts & Sciences. "The Poincaré Conjecture: Proved or Not?"

Pamela S. Lokken, vice chancellor for government and community relations. "Distributing the Federal Budget Pie: Everyone Wants a Bigger Slice."

Victoria L. May, outreach director in biology in Arts & Sciences. "Partnerships Benefit Schools, Institutions and the Community."

Charles R. McManis, J.D., the Thomas and Karole Green Professor of Law, director of the LL.M. Program in Intellectual Property and Technology Law and director of Center for Research on Innovation and Entrepreneurship. "Intellectual Property Law and the Protection of Traditional Knowledge."

Himadri B. Pakrasi, Ph.D., professor of biology in Arts & Sciences. "Systems Analysis of Cyanobacterial Physiology in Membrane Biology."

Marcus E. Raichle, M.D., professor of radiology, of neurobiology and of neurology in the School of Medicine. Moderator, "Frontiers in Biological Imaging: From Cells to Humans."

Barbara A. Schaal, Ph.D., the Spencer T. Olin Professor in Arts & Sciences in biology and professor of genetics in the School of Medicine. "Addressing Undergraduates' Ideas in Courses on Evolution."

Philip D. Stahl, Ph.D., the Edward Mallinckrodt Jr. Professor of Cell Biology and Physiology, head of the Depart-

ment of Cell Biology and Physiology in the School of Medicine. Organizer, "Frontiers in Biological Imaging: From Cells to Humans."

ment to learn about medicine and the latest in medical research and to become familiar with the medical school's physicians. Other speakers from the School of Medicine include Carolyn J. Anderson, Ph.D., who will discuss a graduate program in imaging sciences she is implementing to train scientists for the next generation of advancements in the field; and Theodore J. Cicero, Ph.D., vice chancellor for research, associate vice chancellor and associate dean for animal affairs, vice chairman

for research, Department of Psychiatry, and professor of neurobiology and of neuropharmacology. He will participate in a symposium about the critical need to shore up public trust through public accountability.

Approximately 750 members of the media from around the world will cover the meeting.

The nonprofit AAAS is dedicated to advancing science around the world by serving as an educator, leader, spokesperson and professional association.

ment of Cell Biology and Physiology in the School of Medicine. Organizer, "Frontiers in Biological Imaging: From Cells to Humans."

Stephanie S. Strand, Ph.D., postdoctoral research associate, molecular microbiology in the School of Medicine. Organizer, "It Takes a Village: Partnering Schools With the Community To Raise Future Chiefs."

Robert W. Sussman, Ph.D., professor of anthropology in Arts & Sciences.

William F. Tate, Ph.D., an Edward Mallinckrodt Distinguished Professor in Arts & Sciences, and chair and professor of education in Arts & Sciences. "Strategies for Success in School-University Partnerships."

Steven L. Teitelbaum, M.D., the Messing Professor of Pathology and Immunology in the School of Medicine. "Translating Complex/Controversial Science Information for Stakeholders and Influentials."

Alan R. Templeton, Ph.D., professor of biology in Arts & Sciences. "Founder Events and Speciation: Mary's Most Misrepresented and Misunderstood Legacy to Speciation Theory."

Richard D. Todd, M.D., Ph.D., director of the Division of Child Psychiatry in Psychiatry, the Blanche Ittleson Professor of Psychiatry (Child Psychiatry) and professor of genetics in the School of Medicine. "Familiality and Genetics of Reciprocal Social Behavior, Attention and Impulsivity."

Jessica Wagenseil, D.Sc., postdoctoral research fellow in cell biology and physiology in the School of Medicine. "Elastic Fiber Formation: A Dynamic View."

Cynthia A. Wichelman, M.D., assistant professor of emergency medicine and course director for the Mini-Medical School in the School of Medicine. "Mini-Medical School: Maxi-Medicine in Mini-Doses."

Thomas A. Woolsey, M.D., professor of experimental neurological surgery, of anatomy and neurobiology, of experimental neurology and of physiology in the School of Medicine; the George H. and Ethel R. Bishop Scholar in Neuroscience. "Linking the Community to Its Scientific Resources and Natural Areas"; moderator, "Shaping Public Policy: A Case Study on Stem Cell Legislation."

Ernst K. Zinner, Ph.D., research professor in physics and in earth and planetary sciences, both in Arts & Sciences. "Stardust in the Laboratory."

In addition to organizing membership activities, AAAS publishes *Science*, which has the largest paid circulation of any peer-reviewed general science journal in the world, with an estimated readership of 1 million. The association also publishes many newsletters, books and reports, and it spearheads programs that raise the bar of understanding for science.

The latest research news can be found online at AAAS' EurekAlert! (eurekalert.org), the premier science-news Web site.

Notables



High temperature of what? (From left) Police Chief Don Strom; Don Moore, police officer; and Wendy Oloteo, information and evidence assistant, along with two other members of the WUSTL police force (Raymond Schmidt, police officer; Mark Glenn, sergeant) jump into the frigid waters of Lake Saint Louis Feb. 4 during the Law Enforcement Torch Run Polar Bear Plunge to raise money for the Special Olympics of Missouri. Humorously dubbing themselves "pigs in a blanket" — they wore pig masks and huddled under blankets during the event — the officers and more than 150 others braved temperatures in the upper 20s to raise more than \$44,000.

Bristow named orientation, Parents Weekend director

By NEIL SCHOENHERR

Danielle Bristow started Feb. 1 as director of orientation and Parents Weekend programs, replacing Bill Woodward.

Bristow will be responsible for new student and parent orientation, helping new families with their transition to the University and planning Parents Weekend. She will also maintain the parents Web page and work on publications such as the parents hand-

book, *Bear Facts* and the parents newsletter.

"I am delighted that Danielle has joined us in this important role," said Karen Levin Coburn, assistant vice chancellor for students and associate dean for freshman transition.

"A recognized leader in the National Orientation Director's Association, she brings a wealth of experience and a commitment to supporting the successful transition of new students. We are for-

tunate to have her as a member of the University community."

Bristow graduated with both bachelor's and master's degrees from the University of the Pacific.

In 1994, she began working in the office of admission and orientation for new student programs at Spalding University. She coordinated orientation until 2005.

She moved to St. Louis in July with her husband, a resident in the Barnes-Jewish Hospital emergency department.

For the Record

Of note

Gruia-Catalin Roman, Ph.D., the Harold B. and Adelaide G. Welge Professor of Computer Science and chair of the Department of Computer Science and Engineering, and **Christopher D. Gill**, Ph.D., assistant professor of computer science and engineering, received a three-year, \$754,600 grant from the National Science Foundation for research titled "Adaptive Systems for Collaboration in Multi-mode Mobile Environments." ...

Daniel E. Giammar, Ph.D., assistant professor of civil engineering, has received a five-year, \$400,000 National Science Foundation CAREER Award for research titled "Interfacial Reactions Affecting Heavy Metal Fate and Transport: An Integrated Research and Education Plan." ...

Carol Diaz-Granados, Ph.D., research associate in anthropology in Arts & Sciences, has received a one-year, \$21,000 grant from the Lannan Foundation for an interdisciplinary project to study the 1,000-year-old drawings in Picture Cave. Her latest book, *The Rock-Art of Eastern North America, Capturing Images and Insight*, was just selected as an "Outstanding Academic Title" by *Choice Magazine*. ...

Lynn Imergoot, associate director of intramurals, presented the program "Writing for the *MOAHPERD Journal*," at the recent convention of the Missouri Association of Health, Physical Education, Recreation and Dance at Lake of the Ozarks, Missouri. Imergoot presented the program with **Kathleen M. Haywood**, Ph.D., a WUSTL alum who serves as co-editor of the *Journal*.

Asthma

— from Page 1

faculties, but these medications don't specifically reduce mucus production or secretion. Our research addresses this aspect of the problem."

In mice with a chronic lung condition resembling asthma and chronic obstructive pulmonary disease (COPD), the researchers saw that the airway lining maintained an overabundance of mucus-producing cells, called "goblet cells" for their cup-like shape. Further investigation showed that goblet-cell buildup resulted from two cellular mechanisms.

One mechanism allows for the prolonged survival of cells with cilia, tiny hairs that help sweep debris out of the lungs. The other mechanism encourages the ciliated cells to transform into goblet cells.

The researchers were the first to demonstrate this transformation from ciliated to goblet cells in a model of chronic lung disease. They also showed that a similar process may occur in humans with asthma and COPD, a disease classification that includes chronic bronchitis.

"In some people, stimuli such as viral infections seem to cause a chronic excess of goblet cells and lead to persistent breathing disorders," Holtzman said. "We showed that you can block the excess of ciliated and goblet cells using a combination of two types of inhibitors."

The first of these inhibitors is newly developed and is able to slow down the activity of epidermal growth factor receptor (EGFR). EGFR was persistently overactive in the ciliated airway cells in mice with the

asthma-like condition.

This chronic activity protected the ciliated cells from normally programmed cell death and allowed the cells to accumulate to higher-than-normal levels. By blocking EGFR, the inhibitor prevented the buildup of ciliated cells.

The second inhibitor the researchers tested interferes with signaling pathways activated by an immune-system protein known as interleukin-13 (IL-13). They found that IL-13 elicited the crucial change from ciliated to goblet cells in mouse airways and human airway cells in culture.

Interfering with IL-13 prevented this transformation from one cell type to the other — a process known as transdifferentiation.

"Finding this sequence of events — the increase in the level of ciliated cells and then the transdifferentiation of these cells to goblet cells — opens up new treatment options that may be more effective than those tried in the past," Holtzman said.

"We've shown that if you combine the EGFR and IL-13 inhibitors in a rational way, you can restore the normal architecture of the airway lining. But you have to use the combination to fully correct the abnormalities."

Holtzman said he believes the study's findings could readily translate into clinical treatments for asthma, COPD and other chronic airway diseases because EGFR antagonists and IL-13 inhibitors are now undergoing separate testing in the treatment of chronic airway diseases by several drug companies. The present study results should allow for better design and assessment of these inhibitors when used either alone or in combination.

Stanley

— from Page 1

research in the medical school's Department of Psychiatry.

He is a leading researcher on the hormonal and neurobiological impacts of frequently abused drugs such as opiates.

"Professor Cicero has served exceedingly well as vice chancellor for research for nearly 10 years," Wrighton said. "He has been tireless in his efforts to strengthen our policies and procedures and has emerged as a national leader respected around the country for his work."

"Ted has done much to benefit the University, and I am grateful for his wonderful work. I will miss working with him, but it is rewarding that he will resume his full-time commitment to his professorial responsibilities, and I know that he will continue to be a valuable member of our academic community."

In his new role, Stanley will be an officer of Washington University and a member of the University Council.

"I am honored to take on this role and serve this great university's research mission in a new way," Stanley said. "I greatly appreciate the confidence shown in me by Chancellor Wrighton and the members of the team who advised him on this selection."

"Research at Washington University is an extraordinary enterprise with global impact, and I look forward to working with our deans and department heads and with our talented faculty to continue to push for excellence in all our research endeavors."

"Additionally, I am fortunate to assume these responsibilities at a time when great organizational efficiencies and research-support programs already have been established under the leadership of Ted Cicero, and will benefit from the opportunity to work even more closely with him over the next several months," Stanley added.

Stanley will be the chief officer responsible for the University's research missions, overseeing an enterprise that generates more than \$500 million for sponsored research from a wide array of funding sources. He will become the University's institutional official responsible for all compliance programs that oversee the University community's adherence to guidelines governing laboratory animal care and use and research involving human volunteers.

His areas of oversight will also include development of research policies, management of grants and contracts, the continuing education of faculty and staff regarding research regulations, issues related to conflict of interest and research integrity, and intellectual property and technology transfer.

In order to meet these expansive duties, Stanley will work closely with the deans, depart-

"I look forward to working with our deans and department heads and with our talented faculty to continue to push for excellence in all our research endeavors."

SAMUEL L. STANLEY JR.

ment heads, center directors, senior faculty and administrators as well as a wide variety of faculty and staff who are engaged in research or research support on the University's campuses.

Stanley has been a member of the WUSTL community since 1983, when he began a fellowship in infectious diseases at the School of Medicine. He rose through the ranks in the school's Department of Medicine to become professor of medicine in 1999. In 2004, he was appointed professor in the Department of Molecular Microbiology, recognizing the collaborative and interdepartmental nature of his research.

Key administrative appointments boosted his involvement and interest in research administration, particularly his service as the first chairman of the Institutional Chemical and Biological Safety Committee, which deals with challenging issues such as gene therapy and research protocols using highly regulated materials. Stanley also led a committee that formulated a health safety policy for WUSTL faculty and staff who handled laboratory animals.

A Seattle native, Stanley earned a bachelor of arts degree in biological sciences (Phi Beta Kappa) from the University of Chicago and earned a medical degree from Harvard University in 1980. He completed his resident-physician training at Massachusetts General Hospital, a teaching hospital of Harvard Medical School.

Stanley, who has had long-running and substantial research support from the federal government's National Institutes of Health, is an expert in the biological mechanisms cells employ when responding to infectious agents such as parasites, bacteria and viruses — a process commonly called the inflammatory response. Better defense against infection is a key focus of his research.

He has recently begun to focus on specific genetic factors that might make serious side effects more common in some persons receiving vaccines.

Among the several research grants that Stanley leads or contributes to is the nearly \$37 million grant from the NIH to create the Midwest Regional Center for Excellence in Biodefense and Emerging Infectious Diseases Research, based at WUSTL. The multi-institutional center is developing methods to rapidly identify new pathogens and find means to control or neutralize them.

Campus Watch

The following incidents were reported to University Police Feb. 1-7. 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.

Feb. 2

11:17 a.m. — A person stated that he left his bookbag outside near the South 40 Clock Tower for about two hours. When he returned, he found his calculator, iPod and Samsung cell phone had been stolen.

Feb. 3

10:28 a.m. — A person reported

that some money was stolen from a safe in the Hilltop Bakery in Mallinckrodt Student Center. An investigation is continuing.

Additionally, University Police responded to four reports of property damage, two reports of lost article and one report each of larceny, suspicious incident, auto accident and assault.

Washington People

To say that athletics defines Joe Worlund may be a bit of a stretch.

But to say that Worlund has defined much of what happens in the Athletic Complex may not be too far-fetched.

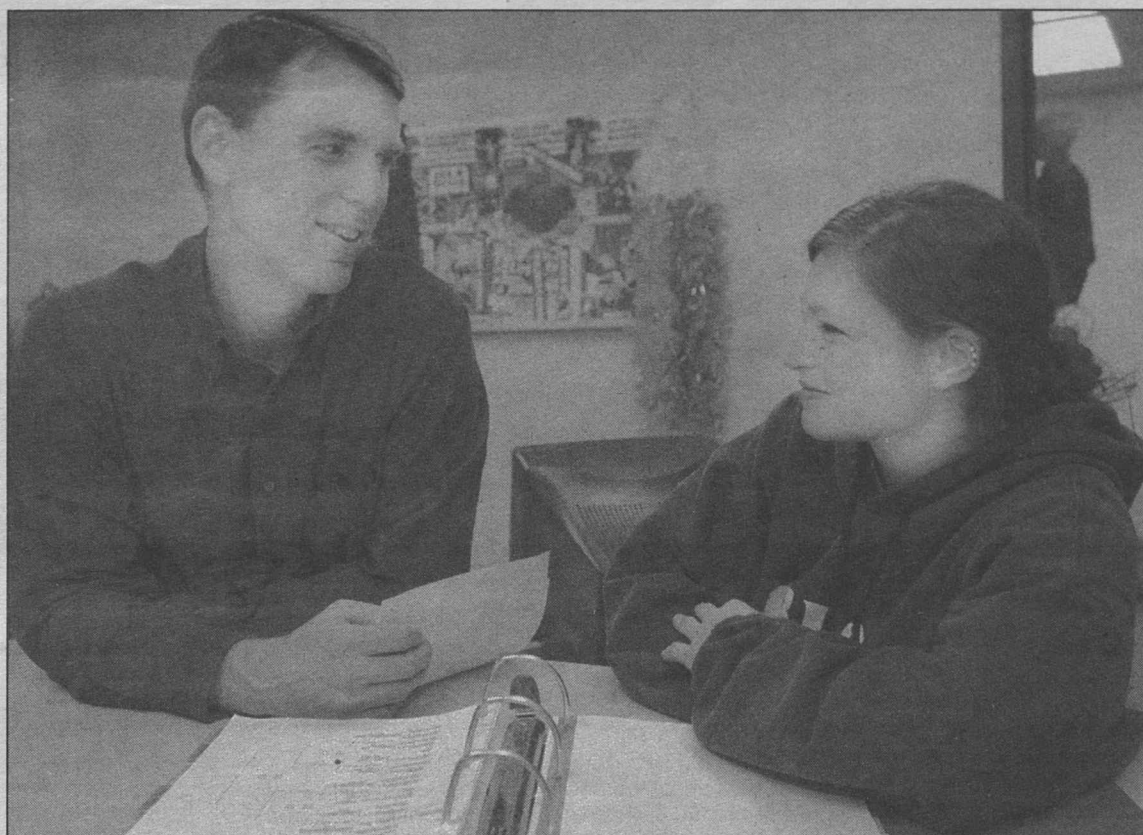
Whether directing a fledgling intramural program, assuming a role on a 10-time University Athletic Association volleyball coaching staff of the year, or serving as assistant athletic director — his current role, Worlund has made a profound impact on the athletic department.

When he first arrived here, Worlund thought — as many people do when entering their first jobs — that he'd stick around for maybe three or four years, then find somewhere else.

"I wanted to get my feet wet and then move on," he laughs now, 24 years later.

That he is even here at all is interesting enough. Born and raised in Southern California, Worlund finished high school in the Seattle area before packing his bags — and baseball bat — for Graceland College in Iowa.

"It's a church-sponsored school," he explains. "My mom and dad met there, my brother



Assistant Athletic Director Joe Worlund, here with senior volleyball player Nicole Hodgman, has served in a variety of roles in his 24 years at the University. "He is, quite simply, one of the fairest-minded people I know — which makes him an excellent administrator. He's one of the good guys!" says Kathy Lasater, intramurals administrative assistant.

By ANDY CLENDENNEN

Yeah, yeah, that's the ticket

Assistant athletic director has a lot on his plate, including league travel

and sister both went there, it was just one of those things I was always going to do. I didn't really think anything of it, it was just something I knew growing up.

"I was playing high-school baseball and the coach asked if I wanted him to help me get recruited, and I told him to not bother, I had already made up my mind."

After earning four letters and the team MVP award in his senior season at Graceland, Worlund was looking for a reason to stick around the Midwest — his girlfriend (now wife, Pam — they've been married 25 years) was a year behind him in school.

After serving as intramural director at Graceland, he found a program at the University of Iowa with a graduate assistantship where he could continue to work with intramurals and pursue a master's degree in recreation education.

"I didn't even know it was out there," he laughs, "and suddenly it was a possibility. I followed through on it, interviewed and spent two years in Iowa City."

Then came a fortuitous stroke. Current WUSTL Director of Athletics John Schael had served in a similar capacity with the University of Chicago. And as Chicago was a charter member of the Big Ten conference, it was still invited to annual meetings. Over the course of those meetings, Schael got to know the Iowa director of recreational services — Worlund's boss — pretty well.

When an opening came up at WUSTL in the intramural department in 1982, Worlund submitted his application — along with

about 100 other interested people.

"I'd like to think that John knowing my boss at Iowa helped get my résumé pulled out of the pile," Worlund says with a smile.

Then came another stroke of good fortune. While

growing up in California, Worlund played club volleyball. And Graceland had a men's varsity squad, so he knew the game pretty well.

And when a first-year coach named Teri Clemens came to WUSTL to revive a struggling volleyball program, she used Worlund as a sounding board on several volleyball issues. She didn't have an assistant coach and Worlund knew the game well enough to hold up his end of an X's and O's conversation.

And the seed was planted.

The next thing he knew, Worlund was facing the chance to either be an assistant baseball coach or an assistant volleyball coach — both sports had openings.

He chose volleyball.

"Mr. Schael gave me the choice, I said 'volleyball,'" Worlund says. "He asked me why, and I told him it was because they were going to be good. I could tell from the year around Coach Clemens that it was going to be a different level than I had ever been affiliated with."

"In hindsight, that was pretty foresighted, because the team was nothing to speak of that first year — it was 12-18. But you could tell from her attitude and experience. That's how it all started."

Indeed. Just four years later — in 1989 — WUSTL had won its first NCAA Division III volleyball championship. After losing in the finals the next year, the Bears rattled off six straight national titles from 1991-96, when they went a combined 253-17.

In all, Worlund ended up coaching with Clemens for 12 of her 14 years, and the coaching staff was recognized with 10 UAA coaching staff of the year awards.

All the while, he served as intramural director.

"When I moved to athletics in 1988, Joe was the intramural sports director and I worked as his administrative assistant," Kathy Lasater says. "All these years later and, while Joe is now an assistant athletic director and I'm still holding down the fort in IMs, I'm lucky that I still get the chance to work with him on a daily basis."

"Joe is the ultimate 'cool dude.' Laid-back attitude, great sense of humor, easily approachable and a terrific athlete in his own right. But his best quality? He is, quite simply, one of the fairest-minded people I know — which makes him an excellent administrator. He's one of the good guys!"

In 1995, he was afforded the title that he currently holds, assistant athletic director. Although he's quick to point out that the title was just that — only a title, with no added responsibilities, duties or reimbursement.

"I was intramural director, assistant volleyball coach and assistant athletic director all at once," Worlund says. "They needed more people with the (athletic director) title to help run UAA or NCAA events."

"I ran the NCAA regional baseball tournament in 1992 when we hosted — and my title was intramural director, which didn't sound right. So they gave me the title, in title only, to help out when it was needed."

In 1998, he gave up both coaching and intramurals to assume full-time assistant athletic director responsibilities. Moving on up, literally, he has a second-floor office in the Athletic Complex, complete with big windows and sports lithographs on the wall. Oh yes, and, giving insight to his sense of humor, a leg — complete with pants, sock and shoe — sticking out from behind a file cabinet, totally unnerving the unsuspecting guest.

"Yeah, that's kind of the point," he grins.

And now, he's much more than a title. He's a travel agent, tournament host, NCAA liaison and ... computer coordinator.

"I won't say I know nothing about computers, but I know just enough to be dangerous," he laughs. "When someone has a problem, they call me and I call a tech to come in and fix things."

Which brings us back to his main responsibility as assistant athletic director — he coordinates all of the travel for all the athletic teams for UAA contests. Airplanes, buses, vans, hotels — you name it, he does it.

"I cannot say enough good things about Joe," says fellow Assistant Athletic Director T.J. Shelton. "He has a track record of success, evident by his national championships while serving as assistant coach for the volleyball team; is committed to Washington University and the Department of Athletics, evident by his years of service as intramural and club sports director; and is a strong leader who cares about the welfare of the student-athlete."

He first started coordinating travel before the athletic department used an agency. It was much simpler, he says, to check a few airlines — American was a favorite — and make a call.

Now, with an influx of downsizing, limited routes and escalat-

ing fares, there is an agency the department uses.

"The biggest compliment I ever received was when I was lining up some travel plans and the person on the other end of the phone asked me for my travel agent code," he says.

"I'd tell them I didn't have one, that I wasn't an agent and they were shocked. I just could speak the speak and say all of the right things."

In addition to being the computer guy and the travel agent, Worlund counts among his duties being tournament host for the Lopata, McWilliams and Teri Clemens tournaments, as well as any NCAA and UAA tournaments the University hosts.

That requires more paperwork, submitting a bid, securing a hotel with a banquet room, running the coaches' and officials' meetings, as well as being the liaison between the NCAA tournament representative and the University.

"Joe is especially effective as an administrator because of his ability to interact with the people he serves," Schael says. "He is able to maintain the best balance between being a professional and a friend and is sensitive to the needs of those he works with and serves."

"Joe's experiences ... have sharpened his skills as a leader, organizer, planner and decision-maker. He understands that, the excellence of individual programs notwithstanding, it is through the successful inter-working of programs that the true excellence of an athletic department can be measured."

On top of that, the intramural director, equipment room coordinator and coaches of volleyball, soccer (men's and women's), tennis (men's and women's), cross country and track all report to him for budget, travel issues or anything else that needs his signature.

Busy? Certainly. But busy in a good way, doing things he likes at a place he enjoys.

"You don't end up being at a place for 24 years without there being something special," Worlund says. "You look at the makeup of the department and the staff and the number of people who have been here a long time — there are a lot who have been here at least 10 years."

"If you look at other Division III programs, you don't find that very often. A lot of coaches here have had other opportunities to do things elsewhere, and for the most part, all of us have made a decision to stay at Washington University. I think that is a large part of our success."

Joe Worlund

Title: Assistant athletic director

Years at University: 24

Hobbies: Scuba diving, traveling, cooking

On playing baseball in Iowa at the NAIA level: "One year, we had a pretty good team. But we were just 12-2 because we had so many rainouts or snowouts. We went into the playoffs my junior year and we hadn't played for three weeks. We went in and just got our clocks cleaned."

On whether he misses coaching: "I do not miss coaching. I do not miss the chaos or pressure, or the hours. But I miss a lot the relationships that were developed both in intramurals and from a coaching standpoint. There's nothing like being in the gym, or being on the road having those experiences that you are building a relationship that is totally different from other student relationships in an advisory role."



Joe Worlund, son Tyler, 16, daughter Jenna, 13, and wife Pam enjoy the mountains of Colorado.