



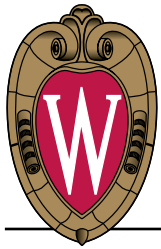
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professor of violin



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and French aesthetic



WISCONSIN WEEK

<http://www.news.wisc.edu/wisweek>

October 17, 2007

Wisconsin Idea

Program prepares medical students to practice in rural areas

By **Dian Land**
dj.land@hosp.wisc.edu

When students begin medical school, most usually face two key questions: Where will I end up practicing? And what area of medicine will be best for me?

For the five medical students who make up the inaugural class of the Wisconsin Academy for Rural Medicine (WARM) at the School of Medicine and Public Health (SMPH), at least one of those big issues has been resolved — they know for sure that they eventually will be based in a rural Wisconsin community.

The WARM program was created specifically to produce thoroughly trained physicians who are committed to working in areas of the state where there are not nearly enough practitioners to meet the health care needs of the people living there.

"The physician shortage is a very serious national problem affecting every state," says WARM creator Byron Crouse, associate dean for rural and community health. "With this program, we are beginning to address the problem and will be producing 25 rural physicians each year by 2015."

The WARM students already are deeply immersed in biochemistry, histology and other classes that are part of the school's traditional M.D. curriculum, and they are encouraged to take electives that are relevant to rural practice. The biggest change will occur during their third and fourth years, when the students will relocate from Madison to regional and rural learning communities for their clinical training. This first WARM group will be placed at the Marshfield Clinic's Rice Lake clinic, starting in 2009.

The program is unusual, adds Crouse, in



First-year medical students Clay Dean (right) and Zach Borden study the pelvic section of a human cadaver during a gross anatomy class lab in the Medical Sciences Center. Dean is one of five students who make up the inaugural class of the Wisconsin Academy for Rural Medicine.

that it offers participants the option to train in multiple specialty areas, not just primary care medicine.

Hailing from medium-sized to tiny communities across the Badger State, the WARM students appreciate the many virtues of small-town life, including low crime rates, small school districts, proximity to recreation, and the support and involvement of fellow townspeople.

The students also are painfully aware of the problems of delivering health care in such communities where, in addition to the physician shortage, residents tend to be sicker, poorer, older, uninsured and scattered widely.

Undaunted by the problems, the first five

WARM students are committed to making things better.



Carlson

For almost her entire life, except during college and now medical school, Carlson lived on her family's beef farm outside the tightly knit northwestern Wisconsin community of Boyceville, west of Eau Claire. All of her immediate and close family members still live in Boyceville and the surrounding community, as do the friends and neighbors with whom she has built such strong bonds

Carla Carlson

For almost her entire life, except during college and now medical school, Carlson lived on her family's beef farm outside the tightly knit northwestern Wisconsin community of Boyceville, west of Eau Claire. All of her immediate and close family members still live in Boyceville and the surrounding community, as do the friends and neighbors with whom she has built such strong bonds

over the years. She dreams of one day purchasing the farm and living on it with her own family.

Carlson knows that she and the four other students in the first WARM class will pave the way for others to come — and she likes being a trailblazer. She was one of the only members of her high school class to attend UW-Madison as an undergraduate.

"I persevered — and have been able to inspire others to accept the challenge and attend UW-Madison," she says.

It was at UW-Madison that Carlson first became enthralled with the biological sciences. "I became fascinated with the human body while attending anatomy laboratory and lectures," she says. Now she is taking gross anatomy and other first-year medical school courses.

But Boyceville calls her.

"I cannot imagine having a better life than practicing rural medicine around the people I love," she says. "The WARM program will help me achieve my ambition of becoming a rural doctor and one day going back to Boyceville to set up a primary care clinic."



Dean

Clay Dean

Before he was accepted into the WARM program, Dean worked as a living assistant in Pittsville, a town of 900 located in the center of the state. He helped local residents with mental

disabilities conduct their lives as independently as possible, building their skills and confidence as he assisted them with activities of daily living. Dean would drive them to the pharmacy in Nekoosa or accompany them on doctors' visits in Marshfield, about

WARM, continues on page 15

Online curriculum helps working nurses earn bachelor's degrees

By **Kristin Czubkowski**
kzubkowski@wisc.edu

Katie Mortier knew she wanted to work with children when she graduated from college, but for a long time, she wasn't sure in what way.

"I started the nursing program at UW-Milwaukee and then transferred to an elementary education program at UW-Oshkosh," she says. "After about a year and a half I decided to go back to nursing."

Mortier graduated with an associate's degree in nursing from Fox Valley Technical College in 2004 and began working as a registered nurse at Children's Hospital in Milwaukee soon after.

Still, Mortier remembered another impor-

tant goal in starting college: to become a nurse practitioner, which requires bachelor's and master's degrees. She knew going back to school to earn those degrees while working the ever-changing hours of a new nurse would be difficult.

"I can't just not work mornings to take classes," she says. "That's not what I was hired to do." Mortier began looking into online registered nurse to bachelor's in nursing (RN to BSN) programs, and came across the UW System's BSN@Home program.

The BSN@Home program began in the spring of 1996, according to Sharon Nellis,

UW-Madison's School of Nursing assistant dean and the director of the statewide distance-learning program. The program combines the resources of five UW nursing schools — UW-Madison, UW-Milwaukee, UW-Eau Claire, UW-Green Bay and UW-Oshkosh — to provide five shared distance-learning courses to registered nurses seeking bachelor's degrees. At the time, each of the five nursing programs had its own RN to baccalaureate program.

"When it was first being developed, the faculty at each of the five institutions realized, 'We're all teaching the same content.'"

she says. "We may be teaching it in a different order with different titles, but we're essentially teaching the five core courses." In creating the BSN@Home program, the five nursing schools planned an innovative, efficient and sustainable program and curriculum that allowed schools to share resources and work together.

This program met the vision outlined by the UW Board of Regents, whose goal was to create a work force for the 21st century. The vision called for the creation of a student-centered learning environment, the removal of time and place as barriers to learning and the use of learning technologies on campus and beyond. The goal of the BSN@Home program was to provide

Nursing, continues on page 15

Short Cuts

To report news

Campus mail: **19 Bascom Hall**
E-mail: wisweek@news.wisc.edu

To publicize events

Wisconsin Week lists events sponsored by campus units. We must receive your listing **at least 10 days** before you want it published. The next publication dates are **Oct. 31, Nov. 14 and Dec. 5.**

Campus mail: 19 Bascom Hall

E-mail: calendar@news.wisc.edu
<http://www.today.wisc.edu/submit/>

To find out more

- Vilas Hall Box Office **262-1500**
- Union Theater Box Office **262-2201**
- Film Hotline **262-6333**
- Concert Line **263-9485**
- Chazen Museum of Art **263-2246**
- TITU <http://www.union.wisc.edu/>

Daily news on the Web

Bookmark this site for regular campus news updates from University Communications:

- <http://www.news.wisc.edu/>

Calendar on the Web

Bookmark this site for continually updated campus event listings:

- <http://www.today.wisc.edu/>

Weekly news by e-mail

Sign up for a weekly digest of campus news, with links to more:

- <http://www.news.wisc.edu/wisweek/aboutwire.html>

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NEWS IN BRIEF

Flu shots available starting Oct. 29

The Environment, Health and Safety Department will again offer a wide variety of times and locations for on-campus employee flu shot clinics.

Flu shot clinics will be provided at 16 campus locations beginning Monday, Oct. 29, and running until Friday, Nov. 16. UW-Madison has set a goal of immunizing 5,000 faculty academic and classified staff, says Jim Turk, occupational health specialist and interim occupational health officer.

For employees with Dean Care, Physicians Plus, Group Health Cooperative or Unity health insurance, flu shots are administered at no charge if you bring your insurance card with you to the clinic.

If you do not bring your insurance card with you, a fee of \$28 for the flu shot will be required. If you pay for the shot on site, a receipt will be provided so you can obtain reimbursement from your health insurance provider. Please plan to pay with cash or check.

Clinics are designed specifically to accommodate demand from employees, not spouses or children, who are encouraged to receive shots from a health-care provider.

Student flu shots will be available from University Health Services beginning later this fall. More information will be announced when a starting date is set.

For questions, contact Turk at 265-5515.

Sites are as follows. All clinics are held from 9 a.m.-3 p.m. unless specifically noted.

- Oct. 29: UW Colleges Building, 780 Regent St., Room 108
- Oct. 30: Waisman Center, 1500 Highland Ave., Rooms 120-122
- Oct. 31: Health Sciences Learning Center, Room 2158
- Nov. 1: Physical Sciences Laboratory, 3731 Schneider Drive, Stoughton, large conference room, 3-5 p.m.
- Nov. 1: State Hygiene Lab, Fish Bowl, 9 a.m.-noon
- Nov. 2: Ingraham Hall, Room 103
- Nov. 5: Engineering Hall, Room 4610
- Nov. 6: Multicultural Student Center Room 2010
- Nov. 7: Veterinary Medicine Building, 10:30 p.m.-1:30 a.m.
- Nov. 7: University Research Park, Room 106, noon-3 p.m.
- Nov. 9: Grainger Hall, Room 3190
- Nov. 12: Union South, check Today in the Union
- Nov. 13: Wisconsin Alumni Research Foundation, 610 Walnut St., Room 132
- Nov. 14: Van Hise Hall, Room 274



Recent Sightings by Jeff Miller: Testing testing procedures

Gail Stirr and Derrik Duchesneau, both members of the College of Agricultural and Life Sciences Animal Care and Use Committee, review lab records as the committee inspects animal lab facilities in the Biochemistry Building. The group makes semiannual inspection visits to assure that research facilities, procedures and record-keeping protocols are being followed and labs are in compliance with the international standards of the Association for Assessment and Accreditation of Laboratory Animal Care.

- Nov. 15: Agricultural Engineering Building, Lower Level Café
- Nov. 16: Memorial Union, check Today in the Union.

Washburn Observatory to close for renovations, remodeling

Washburn Observatory will close at the end of October for remodeling and renovations.

The Department of Astronomy will sponsor public star-gazing nights at the 126-year-old campus landmark on Wednesday, Oct. 17 and 24, from 9-11 p.m., weather permitting. These sessions will be the last public viewing opportunities at the observatory until the renovations are completed in summer 2009.

The planned updates include an expansion and remodeling of the basement and first floor levels to add office, classroom and display space. A new basement-level entrance and elevator will make the basement and first floor handicapped-accessible for the first time, although the viewing dome will remain inaccessible due to the constraints of the building.

While Washburn Observatory is closed, the UW Space Place, 2300 S. Park St., will continue to offer public telescope viewing on its rooftop observing deck on the second and fourth Fridays on each month from 8-9:30 p.m., weather permitting. Additional

information is available at <http://spaceplace.wisc.edu>.

Public invited to see building plans at Chazen town hall meeting

The Chazen Museum of Art invites the community to a town hall meeting to view plans for the museum's building expansion.

Meet the architects from Machado and Silvetti Associates and Continuum Architects + Planners, see the latest concept designs and floor plans, and hear how the Chazen will grow to bring more of its collection, programming and temporary exhibitions to the public.

The meeting will be held at 7 p.m. on Thursday, Oct. 18, in Room L140 of the Chazen.

The Chazen's permanent collection of more than 18,000 art objects is the second largest in Wisconsin. The new museum building will add approximately 70,000 square feet, including gallery space, object study rooms, storage for artwork and a 160-seat auditorium for lectures and films. The design vision will create a world-class museum that fully integrates the existing museum, the addition and new outdoor spaces at the gateway to the east campus arts district.

In May 2005, UW-Madison alumni Simona and Jerome Chazen donated a



What are you looking at?

If you think you know what the image above shows, send an e-mail to looklike@news.wisc.edu. A winner, randomly selected from the most complete and correct answers submitted by Friday, Oct. 26, will receive a mug with the university's logo.



We received 24 answers, 22 were correct, but only one can win. Pictured was "Sixty Strut Tensegrity Sphere," a sculpture made of stainless steel tubing and wire by R. Buckminster Fuller that hangs in the Engineering Centers Building atrium. Josie Chase of the School of Medicine and Public Health wins the mug for her creative response. You can pick up your mug in Room 27 of Bascom Hall.

visionary lead gift of \$20 million toward the museum expansion. In addition to the Chazens' gift, several donors have pledged their support, and the museum has commitments of \$31 million toward its \$40 million goal. The entire cost of the building project will be met through gifts and grants from private sources; no tax-derived state funding will be used to complete the expansion. Groundbreaking is expected in early 2009, with building completion in early 2011.

Homecoming to launch SMPH centennial

The formal campus celebration of the School of Medicine and Public Health (SMPH)'s centennial will begin during the Homecoming football game between Wisconsin and Indiana. A special on-field ceremony will introduce the centennial to those in the stadium.

An historic exhibit is now on display at the Health Sciences Learning Center, the school's home. "Skeletons in the Attic, Life in the Atrium" will take viewers back to 1907, the year the school was established. In the school's early days, students had classes in the attic of Science Hall, hence the exhibit's name. Known then as the College of Medicine, it consisted of four departments and offered only two years of study.

Today's School of Medicine and Public Health has 26 departments, nearly 1,200 faculty, three locations on campus and more than 100 training sites throughout Wisconsin. One of the nation's leaders in medical research, the school attracts millions of dollars annually in research funding and has a world-renowned faculty.

In January, the campus community will be invited to take part in a centennial ice-cream flavor contest. Special centennial events will conclude at the close of the academic year.

Search on for new ombuds

The Office of the Provost is looking for a new ombuds.

Ombuds Peg Davey, who has been with the program since 2004, will step down March 1.

The program serves as a safe and accessible place for members of the faculty, academic staff and classified staff to come for informal, neutral and confidential means of facilitating dialogue and resolving conflicts. Interested persons can find additional information about the ombuds, including the document "Purpose and Procedures," and the most recent annual report, at <http://www.ombuds.wisc.edu/>.

Applicants should send a letter of interest that includes relevant experience, together with a resume, to the Office of Diversity and Climate, 117 Bascom Hall, by Tuesday, Nov. 13.

For questions, contact the ombuds by leaving a message on the office phone (265-9992), or contact an ombuds directly at the following e-mail addresses: Steve Bauman, bauman@wisc.edu; Peg Davey, mcdavey@wisc.edu; Kay Simmons, kmsimmon@wisc.edu; or Jane Voichick, voichick@nutrisci.wisc.edu.

UW continues anti-sweatshop campaign

UW-Madison continues to be a national leader among colleges and universities working to curb sweatshop abuses in licensed-apparel manufacturing.

On the agenda for the university and its Labor Licensing Policy Committee this fall are continuing efforts to assist the former workers of Hermosa Manufacturing in El Salvador, UW-Madison "fair-trade" company engagements and a discussion of the "desig-



Tough to beat
Spotlights shine on a darkened rink as players from the Wisconsin women's ice hockey team are announced before their first home game against Robert Morris University at the Kohl Center on Oct. 5. During their Oct. 14 game vs. Ohio State, the Badgers extended their NCAA record unbeaten streak to 32 games. The team will next battle St. Cloud State in Minnesota on Friday and Saturday, Oct. 19 and 20.

nated suppliers" program.

During the summer, the university committed to spending an additional \$20,000 of its 2006-07 licensing royalty revenue to go toward ongoing monitoring and evaluation of workers' rights in El Salvador.

In cooperation with Adidas and the Workers' Rights Consortium, the funds will also be used to pursue back pay, severance, Social Security and health benefits, along with alleviating extreme hardships experienced by former workers of Hermosa Manufacturing.

The university will host a meeting on campus with senior Adidas executive Gregg Nebel on Friday, Oct. 26.

In other developments, the university has secured a new trademark license for Counter Source Inc., a "fair-trade apparel company" that previously met with the LLPC. New orders have been placed with the University Book Store.

The retailer Fair Indigo has identified a co-op in Peru to source materials from for a future UW licensing agreement.

UW-Madison has contracts allowing more than 450 companies to make products bearing the university's name or logos. The products are made in approximately 3,300 factories in 47 countries worldwide.

As part of university standards, brands and suppliers are required to adhere to a code of conduct. The code addresses workers' wages, working hours, overtime compensation, child labor, forced labor, health and safety, nondiscrimination, harassment or abuse, women's rights, freedom of association and full public disclosure of factory locations.

If violations occur, a licensee has the opportunity to correct the problem or have its relationship with the university terminated.

For more information, visit <http://www.news.wisc.edu/laborlicensing/>.

Medical and public health writer in residence here this week

Marilynn Marchione, an award-winning national medical writer at the Associated Press, is the medical and public health writer in residence this week (Oct. 15-19).

Marchione is spending the week working with students, faculty and staff. She will also give a public lecture, "Doctors, The Media and the Internet: Who Do We Believe and Why?" on Thursday, Oct. 18. The talk, which is free and open to the public, will be held at 4 p.m. in the Red Gym (check Today

in the Red Gym for room number).

Marchione became the national medical writer for the Associated Press in July 2004 after 28 years as a reporter and editor at metropolitan daily newspapers in Milwaukee, Chicago and Akron.

Environmental justice advocate to speak

Peggy Shepard, a prominent environmental and health advocate for minority groups in New York City, will give a free public lecture at 7:30 p.m. on Wednesday, Oct. 24, in Room 180 of Science Hall.

Her topic will be "Environmental Justice, Health and Sustainability: An Urban View."

Shepard is executive director and co-founder of West Harlem Environmental Action Inc. (WE ACT), the first organization created in New York to improve environmental health and quality of life in communities of color.

Established in 1988, WE ACT works for environmental and social justice on issues of land use, waterfront development, brownfields redevelopment, transportation and air pollution, open space and environmental health. It is active in research, public education, advocacy, organizing, government accountability, litigation, legislative affairs and sustainable economic development.

Shepard, a recipient of the prestigious Heinz Award for the Environment, has been influential in the environmental justice movement at all levels, from local to national. A former newspaper and magazine journalist, Shepard also has worked in New York city and state government.

For more information about the lecture, contact Tom Sinclair at 263-5599 or tksincla@wisc.edu.

Submissions now accepted for vice provost for faculty and staff

Nominations and applications are being accepted for the position of vice provost for faculty and staff.

The vice provost for faculty and staff provides leadership to campus in support of the work of faculty and staff, hiring and retention, and leadership and professional development. The position also serves in an advisory role on a range of campuswide issues as part of the leadership team in the Office of the Provost. Applications and nominations must be received by Friday, Nov. 9, for full consideration, although later submissions may be considered.

To learn more, contact Laura McClure at 262-2041 or lmclure@wisc.edu.

Almanac



Ask Bucky

Ask Bucky is a service provided by Visitor and Information Programs.

For more information, call

263-2400, visit the Campus Information Center in the Red Gym or the Welcome Center, 21 N. Park St., or visit us at

<http://www.vip.wisc.edu>. Below are two questions Ask Bucky recently answered.

Q: How do I go about applying to be a tour guide?

A: Visitor and Information Programs (VIP) and the Office of Admissions are currently selecting students to serve as tour guides and information guides beginning this spring. For detailed job descriptions, position requirements, and to download an application, visit <http://www.vip.wisc.edu>. Applications are due on Wednesday, Oct. 24.

Q: Bucky, my friends and I want to try skydiving for the first time, and we were wondering if UW has some sort of organized skydiving group?

A: The Madcity Skydivers is a registered student organization designed to introduce students to the wonders of skydiving. The club participates in three jumps a year called "leapfests." According to club members, "leapfests" are a great way to experience your first dive. For more information about the Madcity Skydivers, check out their Web site at <http://madskydive.rso.wisc.edu>.

Tickets now available for Tudor holiday dinner concerts

Tickets are now available for the Wisconsin Union's Tudor holiday concerts.

Anyone interested can order tickets for one of the following nights: Nov. 28-30; Dec. 1 and 2; or Dec. 4 and 5.

Hors d'oeuvres are served at 5:45 p.m. in the Memorial Union's Main Lounge, and dinner begins at 6:45 p.m. in Great Hall.

The evening begins with a traditional Wassail bowl — a mulled wine — and hors d'oeuvres. Carolers will call attendees to dinner in the Great Hall in time for the presentation of the boar's head. Dinner is followed by the harmonies of the Philharmonic Chorus of Madison directed by Patrick Gorman.

Wisconsin Union members' tickets are \$37.50 (Sunday, Tuesday, Wednesday and Thursday) and \$40 (Friday and Saturday); for non-Union members, they are \$42.50 and \$45, respectively.

The concerts are sponsored by the Wisconsin Union Catering division.

For more information or to order tickets call 262-2201, or visit <http://www.union.wisc.edu/tudordinners>.

Iran expert to speak in Madison

UW-Madison will host one of the country's experts on Iran at 8 p.m. on Thursday, Oct. 25, for the speech "Is a U.S. Military Strike on Iran Inevitable?"

Gary Sick was the principal White House aide for Iran during the Iranian Revolution and hostage crisis. He also served on the National Security Council for presidents Ford, Carter and Reagan.

Today, Sick is a senior research scholar and adjunct professor of international affairs at Columbia University. He also is executive director of Gulf/2000, an international research project on political, economic and security developments in the Persian Gulf.

"A visit from Dr. Sick at this point in U.S. foreign affairs is as close as we come to having a crystal ball," says Jennifer Lowenstein, associate chair of the Middle East Studies Program.

The event will be held in the Morgridge Auditorium (Room 1100) of Grainger Hall and is free and open to the public.

Employee Matters

This column is prepared by staff from the Office of Human Resources. E-mail questions to benefits@ohr.wisc.edu or call 262-5650. For more information, visit <http://www.bussvc.wisc.edu/ecbs/ecbs.html>.

Beneficiary designations and their importance

Life insurance, retirement plans, tax-sheltered annuities and deferred compensation all are benefit plans that pay a death benefit to your survivors. You may designate or "name" the person(s) who will inherit these assets.

For what UW benefit plans can I name a beneficiary?

You can designate a beneficiary for your Wisconsin Retirement System account, state group life insurance, individual and family group life insurance, University Insurance Association, UW Employees Inc. insurance, accidental death and dismemberment insurance, dental and excess medical (EPIC) insurance, deferred compensation and tax-sheltered annuity plans.

Can I name more than one beneficiary?

As a general rule, you can name more than one beneficiary. In addition, you do not have to name the same beneficiary for every plan.

Must the distribution be in equal shares?

No, distribution does not have to be equal shares. You can indicate a percent for how the assets are to be distributed.

What if my beneficiary dies before I do?

You can name a contingent beneficiary who will receive the assets if your original named beneficiary dies before you. You also can complete new designation forms.

How specific should I be?

Make your intentions clear. You want to avoid any confusion about how you want the assets to be distributed.

What happens if I die without having beneficiary designations on file?

Each benefit plan has a default or "standard sequence" of beneficiaries to whom benefits will be paid if you do not file a form naming specific beneficiaries. The default payment sequences vary by benefit plan, and each benefit plan has a separate beneficiary designation form.

When should I update my beneficiary forms?

You should review your beneficiary designations and consider updating them after life events such as marriage, divorce, birth or adoption of a child or death.

How can I find out who I named as beneficiary?

The Office of Human Resources cannot provide the names of beneficiaries; this office does not retain copies of any beneficiary designations. Plans typically will not offer this privileged information over the telephone. So if you are unsure of who you named, it is best that you complete new forms. The latest form on file will supersede any earlier designation.

Where can I get beneficiary forms for UW plans?

Benefit plan and WRS beneficiary forms, as well as standard sequence information, can be found on the Office of Human Resources (OHR) Web site: <http://www.bussvc.wisc.edu/ecbs/emp-forms-ben-designation.html>.

For tax-sheltered annuity or deferred compensation plans, you must contact the vendor directly for beneficiary designation forms.

Questions?

Visit <http://www.bussvc.wisc.edu/ecbs/>, or e-mail a benefits specialist at benefits@ohr.wisc.edu.

FACULTY AND STAFF

Vet tech background enhances her job

By Tania Banak
banakt@svm.vetmed.wisc.edu

When Deb Straub takes phone calls from a referring veterinarian, she asks a lot of questions. The more the School of Veterinary Medicine's hospital referral coordinator knows about a case, the better she's able to determine which specialty service it should be routed to and how quickly it needs to be seen.

"It has made a tremendous difference," says Pamela Sanfleben, a veterinarian who has practiced with Spring Harbor Animal Hospital in Madison for 14 years. "In the past, I had to play phone tag with the hospital's residents before I could send a case in. Now, Deb does the steps that used to frustrate me. The referral process is much smoother and my clients are much happier."

Thanks to her background as a veterinary technician, Straub has a solid sense for the urgency of a case.

"In the past, I might call with an urgent case and be told an appointment was available in four weeks," says Randy Raasch, a veterinarian who refers cases from McFarland Animal Hospital in McFarland. "Deb helps me make a connection with a doctor. She speeds things up for my clients and for patients. It makes my job easier."

Doctors in the teaching hospital also appreciate the new level of service.

"Some cases are urgent without being a

true emergency," says Lauren Trepanier, an internal medicine specialist in the teaching hospital. "Deb's clinical experience helps her triage cases. If a case is urgent, she tracks us down personally and allows us to give referring veterinarians an immediate answer and bring the animal in if needed."

Straub notes that her job can be a challenge at times. In addition to the 1,000-plus calls that come in each month, she also supervises the hospital's phone

bank, routes incoming radiographs from referrals, distributes reports such as CT scans or myelograms, and handles anything else related to referrals, and assists in sending copies of radiology, laboratory and other reports to referring veterinarians.

Her top goal, however, is to provide immediate answers for veterinarians when they call.

"The more information referring veterinarians can give me, the better our doctors can make a decision on how quickly a case needs to be seen," she says. Sometimes she'll even suggest a different service than the referring veterinarian is requesting, because she knows the animal would get more immediate attention for its problem.

Prior to taking the referral coordinator job in July 2006, Straub worked as a veterinary technician for 29 years. Having served in private practice, in an emergency clinic, and in the school's Veterinary Medical Teaching Hospital in large animal, small animal and then critical care/anesthesia services, she knows what it's like to be in a busy practice and need answers. She also knows how important customer service is, because she runs her own estate sale business in her free time.

It's obvious that she enjoys her job. She says it's a different way to use her veterinary technician skills.

"I don't have to lift 100-pound Great Danes any more," she smiles with relief.

Good customer service is her goal.

"It's very rewarding to be able to find those answers and get things done for referring veterinarians," she says.

She encourages veterinarians to call if they have questions.

"If a veterinarian has concerns, or their client is unhappy, I can get them to the right sources," she says. □



Veterinary technician Deb Straub takes a call regarding a patient at the School of Veterinary Medicine Critical Care Unit. Straub serves as the referral coordinator for the care unit, a job that involves fielding incoming calls from outside veterinarians regarding specialty cases. She determines which specialty service the case should be routed to, and how quickly the patient needs to be seen.



Veterinary technician Deb Straub talks with oncologist Kai-Biu Shiu about a patient's chart.

University provides primer on effort reporting

By Jill Sakai
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The process of certifying employee effort on sponsored projects — external grants and contracts — has received increased attention on campus in recent months and generated a number of questions from within the university community.

New interpretations of federal effort certification guidelines by federal auditors have led to renewed scrutiny on university campuses across the country, including UW-Madison. In addition, the Office of Research and Sponsored Programs (RSP) is implementing a new Web-based effort reporting system to replace the previous paper-based Personnel Activity Report (PAR) system. The new system, Effort Certification and Reporting Technology (ECRT), will debut on Thursday, Nov. 1, and should streamline and simplify the effort reporting process while remaining in compliance with current federal standards.

Effort reporting is a means of certifying for external sponsors that salaries charged to a project are reasonable in relation to the work performed and that faculty and staff have met their work commitments to sponsored projects.

In fiscal year 2007, UW-Madison received more than \$1 billion in awards from external sponsors, including federal and state governmental agencies and private organizations. As one of the responsibilities associated with managing extramural funds, the university must comply with sponsor requirements to certify faculty and staff effort on sponsored projects. Failing to meet stewardship responsibilities could jeopardize the university's research funding from federal and other external sources.

The following information is provided to help clarify the effort reporting requirements and process. If you have additional questions, please contact your dean's office or the RSP office (effort@rsp.wisc.edu), or visit the Effort page on the RSP Web site at <http://www.rsp.wisc.edu/effort>.

Q: Do I need to report my effort?

A: Anyone who works on a federal or nonfederal sponsored project must certify their effort or have it certified by the project principal investigator (PI) or PI Delegate. This includes faculty, academic

staff, classified staff, graduate students, and postdoctoral trainees. UW-Madison applies the same standards for fiscal accountability to both federal and nonfederal sponsored projects.

Q: Have the policies and guidelines for effort reporting changed?

A: Although federal guidelines have not changed, the interpretation of those guidelines has changed with regard to how to report effort. University policies have been revised to assure that we remain in compliance. Effort is now reported in relation to your total work at UW-Madison, which includes all research, grant writing, teaching, service, outreach and administrative duties. You must report your effort on a sponsored project as a percentage of all the activities for which you are compensated by UW-Madison, regardless of the actual number of hours worked. For example, if you write part of a grant at home on the weekend, this work is still included in your total UW-Madison effort.

For faculty and staff with 100 percent appointments on sponsored projects, this means that all activities pursued at UW-Madison must be directly related to those sponsored projects. If they are not directly related, the activities must be charged to a different source of funds. UW-Madison administrators are currently working to identify sources of support for nongrant activities.

Q: What activities can be charged to my grant or sponsored project?

A: Activities that are directly related to the specific project can be charged to it, including directing or participating in any aspect of the research described in the grant, writing progress reports or research articles on the project, mentoring students working on the project, participating in appropriate seminars, attending scientific conferences to present the research and reading scientific literature to keep up to date with the developments in the research field. For a more complete list of permitted activities, please visit the RSP Web site.

Q: What activities cannot be charged to a sponsored project?

A: Activities not directly in support of the sponsored project cannot be charged to the grant, including administrative duties, committee service (including departmental and shared governance committees), instruction

or instructional materials development, writing new or competing proposals, or collecting data to support new proposals. Activities that are considered outside the scope of total UW-Madison effort, such as consulting, peer review of manuscripts and advisory activities for sponsors, including service on an NIH study section or NSF review panel, also cannot be charged to a sponsored project. For a more complete list of excluded activities, please visit the RSP Web site.

Q: I am an academic staff member and work 100 percent on a sponsored research grant. I am also on a UW governance committee, an activity on which I spend a few hours per year. Is that OK?

A: Infrequent, irregular activity that would normally be considered "so small" that it is not statistically significant is called de minimis effort. Activities can be considered de minimis in amount when, in the aggregate, they have no impact on your effort reporting percentages.

Depending on the nature and extent of the activity, and on the amount of time it requires in an effort period relative to the individual's total UW effort for the period, the types of activities that may qualify as de minimis effort include service on ad hoc committees, participation in department and division meetings, and other basic activities of university life. Grant proposal writing and well-defined, regular administrative activity cannot be considered "so small," and therefore must not be treated as de minimis activity. Consult RSP if you have questions about a specific activity.

Q: Who should I talk to if I have questions about effort reporting or my current or former activities?

A: Individual circumstances will vary, and RSP intends to handle them on a case-by-case basis. To determine the appropriate actions for your specific situation, contact your dean's office or the RSP office (effort@rsp.wisc.edu).

Q: What should I do if I am contacted as part of an audit?

A: You are entitled to seek guidance from RSP before providing information to someone who contacts you as part of an audit. If you receive such a call, you can request to return the call at a later time, then contact RSP. □

Historian named one of Smithsonian's top young innovators

By Brian Mattmiller
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Jeremi Suri, a UW-Madison historian whose work is reshaping views of how political power is forged in a globally connected age, has been named one of Smithsonian Magazine's "37 Under 36: America's Young Innovators in the Arts and Sciences."

The first-ever "37 Under 36" honor, detailed in a recent special issue of Smithsonian, is meant to highlight a new generation of creative thinking among scholars, authors, musicians and scientists. Suri is keeping company with an eclectic crowd, including independent rock musician Sufjan Stevens, del.icio.us social bookmarking mastermind Joshua Schachter, hip-hop educator Marc Bamuthi Joseph and ocean ecologist (and Jacques Cousteau's grandson) Philippe Cousteau.



Suri

"I'm flattered that some people think I'm an innovator, because people don't always think of historians as innovators," Suri says. "But personally, I've always been drawn to a history that is creative,

and that seems to have something new to say. The great historians to me are not just recounting the past, they have a creative perspective on how history influences the present."

Suri is author of the biography "Henry Kissinger and the American Century," which received international media attention this summer. Suri's book differs from most political biographies by its exploration of connections between the personal and the political, showing how Kissinger's past as a refugee of Nazi Germany and

his status as a cultural and social outsider directly shaped his political outlook.

Suri also wrote the 2003 book "Power and Protest," which explored the rise of grassroots political movements during the Cold War and their influence on global leaders. Both books, Suri says, reflect core themes of his scholarship: that ordinary citizens have a major influence on the actions of leaders, and that the distinctions between "local" and "international" politics have largely vanished.

"The making of international policy is much more domestically and locally driven than we often assume, and local politics are more internationally influenced than we assume. For too long, we've organized our knowledge and our thinking in those terms," says Suri, noting, for example, that every major newspaper separates its news in local, national and international sections. □

Milestones

The following individuals have been promoted from **associate to full professor**: **Andrew Bent**, plant pathology; **Toni Whited**, School of Business; **Geoffrey Borman**, educational leadership and policy analysis; **Lisa Gralnack**, art; **William Hoyt**, counseling psychology; **Jo-Anne Lazarus**, kinesiology; **Mitchell Nathan**, educational psychology; **Gelsy Verna**, art; **Patrick Eagan**, engineering professional development; **Nancy Langston**, Nelson Institute for Environmental Studies and forest ecology; **Nancy Mathews**, Nelson Institute for Environmental Studies; **Richard Begam**, English; **Thomas Brunold**, chemistry; **James Doing**, School of Music; **Mark Eriksson**, physics; **William Farlow**, School of Music; **Mikhail Feldman**, mathematics; **Jason Fine**, statistics and biostatistics and medical informatics; **Jeremy Freese**, sociology; **Xianghong Gong**, mathematics; **Diane Gooding**, psychology; **Paul Hutchcroft**, political science; **Caroline Levine**, English; **John Logan**, sociology; **Lisa Naughton**, geography; **Kristopher Olds**, geography; **Christine Pawley**, School of Library and Information Studies; **Paul Rowe**, School of Music; **Mark Saffman**, physics; **Ellen Sapega**, Spanish and Portuguese; **Shannon Stahl**, chemistry; **Jeremi Suri**, history; **Beverly Taylor**, School of Music; **Tonghai Yang**, mathematics; **Susan Zaeske**, communication arts; **Bryan Becker**, medicine; **Nansi Jo Colley**, ophthalmology and visual sciences; **John Denu**, biomolecular chemistry; **Karen Downs**, anatomy; **Andreas Friedl**, pathology and laboratory medicine; **Paul Harari**, human oncology; **John Hoch**, surgery; **Barbara Morgan**, orthopedics and rehabilitation; **Tomas Prolla**, genetics (also CALS/genetics); **Peter Rahko**, medicine; **Howard Rowley**, radiology; **Dandan Sun**, neurological surgery; **Pamela Pletsch**, School of Nursing; **Betty Chewning**, School of Pharmacy; **Jeffrey Johnson**, School of Pharmacy; **Weiyuan John Kao**, School of Pharmacy; **Glen Kwon**, School of Pharmacy; and **Chelcy Bowles**, Division of Continuing Studies.

The following individuals have been promoted from **assistant to associate professor**: **Teresa Balsler**, soil science; **Alvin Bussan**, horticulture; **Jed Colquhoun**, horticulture; **Que Lan**, entomology; **Joel Pedersen**, soil science; **Francisco Pelegri**, genetics and School of Medicine and Public Health; **Mark Richards**, animal science; **Robert Williamson**, entomology; **Stephen Hilyard**, art; **Jerlando Jackson**, educational leadership and policy analysis; **Jee-Seon Kim**, educational psychology; **Dennis Miller**, art; **Simone Schweber**, curriculum and instruction; **Ben-tzion Karsh**, industrial engineering; **David Noyce**, civil and environmental engineering; **Scott Sanders**, mechanical engineering; **Timothy Shedd**, mechanical engineering; **Eric Shusta**, chemical and biological engineering; **Shiyu Zhou**, industrial engineering; **John Ohnesorge**, Law School; **Moneera Al-Ghadeer**, African languages and literature; **Katarzyna Beilin**, Spanish and Portuguese; **Ralf Bennartz**, atmospheric and oceanic sciences; **Jill Casid**, art history; **Silvia Cavagnero**, chemistry; **Kelley Conway**, communication arts; **Qiang Cui**, chemistry; **Guillermina De Ferrari**, Spanish and Portuguese; **Jordan Ellenberg**, mathematics; **Anne Enke**, women's studies; **Lynn Festa**, English; **Stephen Gammie**, zoology; **Chad Goldberg**, sociology; **Michel Guillot**, sociology; **Daniel Kelly**, geology and geophysics; **Marc Kleijwegt**, history; **Christopher Livanos**, comparative literature; **Sandra Magana**, School of Social Work; **Teresa Montaruli**, physics; **Donald Moynihan**, LaFollette School of Public Affairs; **Larry Nesper**, anthropology; **Michael Peterson**, theatre and drama; **Travis Pickering**, anthropology; **Bradley Postle**, psychology; **Cherene Sherrard**, English; **Gary Shiu**, physics; **Kristen Slack**, School of Social Work; **Max Statkiewicz**, comparative literature; **Sarah Thal**, history; **Tanya Thresher**, Scandinavian studies; **Dieter Van Melkebeek**, computer

Milestones, continues on page 15

Study of bacterial communities may provide climate-change clues

By Renee Meiller
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As part of the world carbon cycle, bacterial communities in freshwater lakes break down carbon in decaying organic matter, converting it into carbon dioxide that is released into the atmosphere.

However, in humic lakes — darkly stained, bog-rimmed bodies of water that contain high levels of decaying organic matter — this process creates even higher carbon-dioxide emission levels. “There’s a lot of concern that, as the climate changes, more carbon will be turned into carbon dioxide in these kinds of lakes,” says Katherine McMahon, an assistant professor of civil and environmental engineering.

With \$1.5 million from the National Science Foundation, McMahon is among a multidisciplinary group of UW-Madison and University of Illinois Urbana-Champaign researchers that is studying the composition of bacterial communities in humic lakes and how these microorganisms respond to changes in their environment.

This fundamental “systems” knowledge may help researchers develop more accurate ecosystem-level models, which enable them to predict carbon or nutrient flow through the system. It also may give high carbon-dioxide-emitting humic lakes greater weight in climate-change models.

Because they are giant receptacles for fallen leaves, tree limbs and other organic debris, lakes are prime carbon-storage areas, says McMahon. “They store a lot of carbon in their sediments,” she says. “But we don’t understand very well how that carbon is then mobilized to become CO₂ by the bacteria.”

Ecosystem scientists have studied the process of ecological succession; for example, after a fire destroys a section of forest, the established order in which ecosystem members — grass, bushes, softwoods, hardwoods and so on — repopulate the area.

Recently, McMahon and her team discovered that, while bacterial populations differ in composition and function based on lake type, these microorganisms engage in a similar succession process — but on an annual time scale.

Barring disturbances such as increased storms or land use changes, bacteria in a water sample taken on a given date in one year will resemble closely those in a sample taken on the same date in the following years. “We want to know what’s going to happen to those kinds of patterns, or those kinds of trajectories, when the climate changes, when land use changes, when we have increased storm events — because the bacteria are very sensitive to the physical environment,” says McMahon.

Taking weekly water samples from a northern Wisconsin humic lake, the researchers will use new DNA-based tools to study how these quick-growing microorganisms change in response to their environment. They also hope to learn how bacteria speciate. In addition, they will study how bacteria interact with algae in humic lakes and whether the organisms affect which bacterial species are present.

At this point, says McMahon, the goal is understanding bacterial processes and ecology. □

A gene divided reveals the details of natural selection

By Terry Devitt
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In a molecular tour de force, researchers at UW-Madison have provided an exquisitely detailed picture of natural selection as it occurs at the genetic level.

Writing Oct. 11 in the journal *Nature*, Howard Hughes Medical Institute investigator Sean B. Carroll and former UW-Madison graduate student Chris Todd Hittinger document how, during many generations, a single yeast gene divides in two and parses its responsibilities to be a more efficient denizen of its environment. The work illustrates, at the most basic level, the driving force of evolution.

“This is how new capabilities arise and new functions evolve,” says Carroll, one of the world’s leading evolutionary biologists. “This is what goes on in butterflies and elephants and humans. It is evolution in action.”

The work is important because it provides the most fundamental view of how organisms change to better adapt to their environments. It documents the workings of natural selection, the critical idea first posited by Charles Darwin where organisms accumulate random variations, and changes that enhance survival are “selected” by being genetically transmitted to future generations.

The new study replayed a set of genetic

changes that occurred in a yeast 100 million or so years ago when a critical gene was duplicated and then divided its nutrient processing responsibilities to better utilize the sugars it depends on for food.

“One source of newness is gene duplication,” says Carroll. “When you have two copies of a gene, useful mutations can arise that allow one or both genes to explore new functions while preserving the old function. This phenomenon is going on all the time in every living thing. Many of us are walking around with duplicate genes we’re not aware of. They come and go.”

In short, says Carroll, two genes can be better than one because redundancy promotes a division of labor. Genes may do more than one thing, and duplication adds a new genetic resource that can share the workload or add new functions. For example, in humans the ability to see color requires different molecular receptors to discriminate between red and green, but both arose from the same vision gene.

The difficulty, he says, in seeing the steps of evolution is that in nature genetic change typically occurs at a snail’s pace, with very small increments of change among the chemical base pairs that make up genes accumulating over thousands to millions of years.

To measure such small change requires a model organism like simple brewer’s yeast that produces a lot of offspring in a rela-

tively short period of time. Yeast, Carroll argues, are perfect because their reproductive qualities enable study of genetic change at the deepest level and greatest resolution because researchers can produce and quickly count a large number of organisms. The same work in fruit flies, one of biology’s most powerful models, would require “a football stadium full of flies” and years of additional work, Carroll explains.

“The process of becoming better occurs in very small steps. When compounded over time, these very small changes make one group of organisms successful and they out-compete others,” according to Carroll.

The new study involved swapping out different regions of the yeast genome to assess their effects on the performance of the twin genes, as well as engineering in the gene from another species of yeast that had retained only a single copy.

“We retraced the steps of evolution,” the Wisconsin biologist explains.

The work shows in great detail how the ancestral gene gained efficiency through duplication and division of labor.

“They became optimally connected in that job. They’re working in cahoots, but together they are better at the job the ancestral gene held,” Carroll says. “Natural selection has taken one gene with two functions and sculpted an assembly line with two specialized genes.” □

Study: Excess vitamin A can be stored during fetal development

By Jordana Lenon
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A new UW-Madison study suggests that pregnant women who take some types of vitamin supplements or eat fortified foods may be passing excess vitamin A to their developing fetuses.

Reported in the October issue of the *Journal of Comparative Medicine*, the finding could guide efforts to develop future formulations of vitamins.

Best known as retinol because it produces the eye’s retinal pigments, vitamin A is important for fetal development and to establish and maintain healthy lactation in breast-feeding mothers. For these reasons, many U.S. women are either prescribed or begin taking over-the-counter vitamin supplements during the first trimester of pregnancy.

However, it’s still unclear how much vitamin A is too much, making it important to learn the levels at which vitamin A compounds — present as retinyl acetate and palmitate in supplements — begin affecting the early fetus, says UW-Madison nutrition professor Sherry Tanumihardjo.

“The high intake of vitamin A from supplements and fortified foods worldwide has caused us to be concerned,” she says.

With colleagues Ei Terasawa, a professor of pediatrics, and first author Jordan Mills, a nutritional sciences graduate student, Tanumihardjo has found that when mother monkeys consume excess vitamin A in fortified food, this results in increased storage of the vitamin — in a form called retinyl ester — in fetal livers during early gestational stages.

Liver storage may occur when vitamin A levels outstrip the immediate demands of the developing fetus, possibly as a way to protect against vitamin A toxicity. Tanumihardjo attributes the excess vitamin A to lab diets containing high concentrations of the vitamin.

“Those diets should be reformulated,” Tanumihardjo says. In addition, new vitamin A formulations for people might be developed that could still meet the needs of mother and fetus, while avoiding the problems that excess vitamin A might cause, she adds.

Previous data from human fetuses suggest that liver vitamin A concentrations increase until sometime in the third trimester. They then drop steadily until birth, after which the baby’s consumption of breast milk causes them to rise again. But until now, early human data — or any primate data, for that matter — has been rare, says Tanumihardjo.

“Although data exist for late-stage fetal and neonatal liver vitamin A storage in humans and rodents, few data exist regarding early stage fetal tissues of all species, including primates,” she says. In addition to sharing approximately 95 percent genetic homology, Old World monkeys and humans exhibit comparable organ growth rates and sizes throughout fetal and postnatal development, making monkeys useful models for early human development.

In the study, the researchers obtained maternal diet information and necropsy tissue from the Primate Center for three Old World species — rhesus macaques, cynomolgus macaques and vervets — to maximize study samples. They then used

a series of chemical extraction and analysis techniques to measure relevant vitamin A compounds in tissue, including retinoic acid, retinol and retinyl esters.

The excess vitamin A the researchers discovered in the monkeys didn’t appear to cause problems, likely because the maternally derived vitamin A was stored primarily as relatively harmless retinyl esters in the liver, rather than being converted to harmful retinoids. This type of storage occurs either through fetal conversion of retinol to retinyl esters or direct transmission of retinyl esters from mother to fetus, or as a combination of these routes, Tanumihardjo says. Preferential shunting of maternally derived vitamin A to storage as retinyl esters may help protect against vitamin A toxicity in the fetus.

“Monkeys are less sensitive to the harmful effects of retinoic acid than are humans and rodents,” Tanumihardjo says. “Our observations may explain why there have been no reports of vitamin A-induced birth defects in neonates from primate colonies that are fed the standardized commercial diets for monkeys, despite evidence of excess vitamin intake A by their mothers. This mechanism may be an adaptation to constant exposure to a lab diet high in vitamin A.”

But have humans similarly adapted to protect their early fetuses from excess vitamin A concentrations? The new research indicates that this may be so; however, Tanumihardjo is eager to compare her monkey data to more human data, especially earlier in development. □

Researchers identify key step bird flu virus takes to spread

By Terry Devitt
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Since it first appeared in Hong Kong in 1997, the H5N1 avian flu virus has been slowly evolving into a pathogen better equipped to infect humans. The final form of the virus, biomedical researchers fear, will be a highly pathogenic strain of influenza that spreads easily among humans.

Now, in a new study, a team of UW-Madison researchers report the identification of a key step the virus must take to facilitate the easy transmission of the virus from person to person.

Writing Oct. 4 in the journal *Public Library of Science Pathogens*, a team of researchers led by virologist Yoshihiro Kawaoka of the School of Veterinary Medicine has identified a single change in a viral protein that facilitates the virus' ability to infect the cells of the upper respiratory system in mammals. By adapting to the upper respiratory system, the virus is capable of infecting a wider range of cell types and is more easily spread, potentially setting the stage for a flu pandemic.

"The viruses that are in circulation now are much more mammalian-like than the ones circulating in 1997," says Kawaoka, an internationally recognized authority on influenza. "The viruses that are circulating in Africa and Europe are the ones closest to becoming a human virus."

As its name implies, bird flu first arises in chickens and other birds. Humans and other animals in close contact with the birds may be infected, and the virus begins to adapt to new host animals, a process that may take years as small changes accumulate. Over time, an avian virus may gather enough genetic change to spread easily, as experts believe was the case with the 1918 Spanish flu, an event that killed at least 30 million people worldwide.

In the new study, which was conducted in mice, the Wisconsin team identified a single change in a viral surface protein that enabled the H5N1 virus to settle into the upper respiratory system, which "may provide a platform for the adaptation of avian H5N1 viruses to humans and for efficient person-to-person virus transmission."

Other currently undetermined changes are required for the virus to become a human pathogen of pandemic proportions, Kawaoka explains, but establishing itself in the upper respiratory system is necessary as that enables easy transmission of the virus through coughing and sneezing.

To date, more than 250 H5N1 human infections worldwide have been reported. Of those, more than 150 have been fatal, but so far efficient human-to-human transmission has not occurred. Most infections have occurred as a result of humans being in close contact with birds such as chickens that have the virus.

According to Kawaoka, the avian virus can be at home in the lungs of humans and other mammals as the cells of the lower respiratory system have receptors that enable the virus to establish itself. Temperatures in the lungs are also higher and thus more amenable to the efficient growth of the virus.

The new study involved two different viruses isolated from a single patient: one from the lungs, the other from the upper respiratory system. The virus from the upper respiratory system exhibited a single amino acid change in one of the key proteins for amplification of influenza virus genes.

The single change, says Kawaoka, promotes better virus replication at lower temperatures, such as those found in the upper respiratory system, and in a wider range of cell types.

"This change is needed, but not sufficient," Kawaoka explains. "There are other viral factors needed to cause a viral pandemic" strain of bird flu.

However, Kawaoka and other flu researchers are convinced it is only a matter of time, as more humans and other animals are exposed to the virus, before H5N1 virus takes those steps and evolves into a virus capable of causing a pandemic. □

Researchers examine world's potential to produce biodiesel

By Madeline Fisher
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What do the countries of Thailand, Uruguay and Ghana have in common? They all could become leading producers of the emerging renewable fuel known as biodiesel, says a study from the Nelson Institute for Environmental Studies.

The ease of manufacturing biodiesel from vegetable oils and animal fats has made it one of the most promising, near-term alternatives to fossil fuels. Seeking to understand which nations are best positioned today to enter the burgeoning biodiesel market, researchers Matt Johnston and Tracey Holloway of the Nelson Institute's Center for Sustainability and the Global Environment (SAGE) ranked 226 countries according to their potential to make large volumes of biodiesel at low cost.

Reported online today (Oct. 17) in *Environmental Science and Technology*, the analysis uncovered many of the usual suspects, including the United States — a top soybean grower — and Brazil — already a major biodiesel producer. The Netherlands, Germany, Belgium and Spain also cracked the top 10 in overall volume potential.

But the researchers say the study's true motivation was to identify developing countries that already export significant amounts of vegetable oil for profit, but may not have considered refining it into biodiesel. By exporting biodiesel — a higher value commodity — these countries could improve their trade balances, says Johnston, or use the fuel to offset their own energy needs.

"A lot of these countries don't have any petroleum resources and so they're having to import petroleum," he says. "At the same time, they're exporting vegetable oil that they could be turning into biodiesel and using domestically."

Overall, the study ranked Malaysia, Thailand, Colombia, Uruguay and Ghana as the developing nations most likely to attract biodiesel investment, not only because of their strong agricultural industries, but also due to their relative safety and stability and lack of debt, among other economic factors.

Johnston emphasizes, however, that the set of criteria he and Holloway used is just one among many.

"As long as they're profitable and have large volumes of vegetable oils, all the countries on our list — even if they aren't on our top 10 list — they could do this," he says.

The idea for the analysis first struck Johnston on a visit to a remote island of Fiji, where people rely primarily on petroleum diesel to run generators for electricity. Transported in by boat, the fuel cost the equivalent of \$20 per gallon. Meanwhile, the islanders were growing coconuts and processing them into oil that sold for 50 cents a liter.

"The price disparity was just incredible," says Johnston, "and it prompted me to think about where else in the world countries might have this biofuels potential, but not necessarily realize it."

At the same time, many agencies — chief among them the United Nations — have raised concerns about the biofuel industry's possible impact on the world's poor, as vegetable oils, now used for food, are increasingly diverted to fuel production. Rampant growth of biofuels could also negatively affect the environment; a soaring demand for palm oil, for example, has already led to deforestation in southeast Asia.

By highlighting the places in the world where biodiesel development will likely happen, Johnston and Holloway hope their analysis will help people foresee these problems and make plans to mitigate them.

"We're not saying, 'There's all this potential

out there, go get it,'" says Johnston. "Instead we're looking at which vegetable oil feed stocks are most likely to be affected and which countries will most likely be doing this at a large-scale. That way, we can anticipate some of the impacts, as opposed to having to react after the fact."

Of all the vegetable oils and animal fats examined in the study, soybean and palm oil were by far the most common. In fact, the world's top five soybean and palm oil producers — Malaysia, Indonesia, Argentina, the United States and Brazil — accounted for 80 percent of the potential global biodiesel production, the researchers found.

Based on current export volumes of vegetable oil from 119 countries, Johnston also estimated that a grand total of 51 billion liters of biodiesel could be produced annually — enough to meet roughly 4-5 percent of the world's existing demand for petroleum diesel. Yet, although interesting, these numbers aren't the main point.

"We're not suggesting that all exported vegetable oil should be converted into biodiesel, because that would fundamentally upset the food supply," says Holloway. "We're looking at this more from each individual country's perspective: They're already exporting one thing, could they be exporting something else?"

Because the study employed data from online, public sources — primarily the Food and Agriculture Organization of the United Nations Statistics Division (FAOSTAT) — Holloway points out that any country could repeat the calculations or do its own analysis of the biodiesel opportunity. And she and Johnston hope they will.

"I'd love to see some of these development opportunities come to fruition for some of these countries," Johnston says.

To see the study's complete list of rankings, visit <http://www.sage.wisc.edu/energy/>. □

Curiosities

Editor's note: The column provides a glimpse into the science behind everyday life. Do you have a question for *Curiosities*? Submit it to curiosities@news.wisc.edu.



Q: What happens to an escaped helium balloon?

A: Helium balloons rise because helium is less dense than air,

says Bob Holz of the Cooperative Institute for Meteorological Satellite Studies.

Before releasing a balloon, the pressure of helium inside the balloon is balanced against air pressure on the outside, plus compression from the stretched balloon. As the balloon rises, outside air pressure falls, and the balloon swells, Holz explains. "When you let it go, atmospheric pressure drops, and this force has to be equalized, so the balloon expands."

Eventually, the balloon gets too big, and it pops and drops to Earth. A plastic balloon may last a few hours and travel about 20 miles, Holz says.

Mylar balloons are tougher, and Holz estimates that on a windy day they may travel 100 miles or more. This longer travel, combined with Mylar's slow decay in the environment, explains why Mylar balloons are such common trash on ocean beaches.

Q: Why can we sometimes see the moon in the daytime?

A: The moon takes about four weeks to complete its orbit around Earth, says Jim Lattis, director of the UW Space Place. When the lunar month begins (the "new" moon), the moon is located sunward of Earth, and it is invisible.

As the moon moves east during a couple of days, a thin, faint "crescent" moon may appear in the western sky just after sunset. Several nights later, the moon is fuller, brighter and higher in the sky at any given time of day, all of which make it more obvious against the bright blue sky.

As the moon continues to move east, it fattens toward a full moon, becoming brighter and more visible in the afternoon. The "full" moon rises when the sun sets and is directly opposite the sun in the sky. After full moon, the moon is not visible in the afternoon, but it will appear in the morning, first as nearly full, then as a shrinking crescent.

Q: How well do dogs see at night?

A: "Dogs have evolved to see well in both bright and dim light, whereas humans do best in bright light. No one is quite sure how much better a dog sees in dim light, but I would suspect that dogs are not quite as good as cats," which can see in light that's six times dimmer than our lower limit, says Paul Miller, clinical professor of comparative ophthalmology. Dogs, he says, "can probably see in light five times dimmer than a human can see in."

Dogs have many adaptations for low-light vision, Miller says. A larger pupil lets in more light. The center of the retina has more of the light-sensitive cells (rods), which work better in dim light than the color-detecting cones. The light-sensitive compounds in the retina respond to lower light levels. And the lens is located closer to the retina, making the image on the retina brighter.

But the canine's biggest advantage is called the tapetum. This mirror-like structure in the back of the eye reflects light, giving the retina a second chance to register light that has entered the eye. "Although the tapetum improves vision in dim light, it also scatters some light, degrading the dog's vision from the 20:20 that you and I normally see to about 20:80," Miller says. The tapetum also causes dog eyes to glow at night.

—Compiled by University Communications

ARTS & EVENTS

October 18 — 31, 2007

Festival showcases environmental films in November

By Tom Sinclair
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From travelogue-expedition films to the experimental avant-garde and the worlds of Walt Disney and Jacques Cousteau, cinema has been central to how we think about nature and the environment.

Environmental films can bring in big audiences, too. Who could have imagined that documentaries about global warming and penguins on the move would capture the consciousness and hearts of millions?

Some films show the natural world in desperate disrepair, but if there is hope for the future, it rests on action — and much of that action can be sparked by good storytelling, says Gregg Mitman, organizer of Tales from Planet Earth, a three-day environmental film festival to take place in Madison Friday-Sunday, Nov. 2-4.

"The response to 'An Inconvenient Truth' had less to do with Al Gore's slide lecture and more to do with the ways in which the slide presentation was woven into his own personal and family story," says Mitman, William Coleman Professor of History of Science and professor of medical history and science and technology studies. "The decision by Gore's father to quit tobacco farming, for example, after his daughter died of lung cancer had a deeply moving effect on audiences that brought an emotional dimension to what in the hands of another filmmaker might be a very dry subject."



Tales from Planet Earth will present more than 20 films from around the world, ranging from Uncle Walt's 1942 animated blockbuster "Bambi" to "Bhopal Express," which sets a love story against the backdrop of the 1984 poisonous gas leak in India that instantly killed 8,000 people.

The festival kicks off with a Humanities without Boundaries lecture by Bill McKibben titled "The Nature of Hope." McKibben, dubbed the poet laureate of global warming, literally wrote the book on the issue when he published "The End of Nature" in 1987. His lecture is at 6:30 p.m. on Friday, Nov. 2, at the Orpheum Theatre.

The lecture will be followed by the Madison premiere of "Everything's Cool," a hot new documentary about global warming. It is a comedic, character-driven, behind-the-scenes look at the hottest environmental problem of our time.

"Everything's Cool" will be followed by a post-show discussion with McKibben and the film's directors, Daniel Gold and Judith Helfand.

Other films to be featured at the festival include "Flock of Dodos" (2006), the first documentary to present both sides of the intelligent design/evolution clash; and "Manufactured Landscapes" (2006), which captures the world and work of renowned photographer Edward Burtynsky as he travels across China, photographing the evidence and effects of the country's massive industrial revolution.

Screenings of several new documentaries by award-winning directors will be among the festival's highlights, as will a presentation by New Zealand filmmaker and penguin biologist Lloyd Spencer Davis about the history of penguins in movies.

Admission to all festival events is free and open to the public on a first-come, first-served basis. The festival will take place in three venues: the Orpheum Theatre, 216 State St.; the Madison Museum of Contemporary Art, 227 State St.; and UW Cinematheque, 4070 Vilas Hall.

The Nelson Institute for Environmental Studies' new Center for Culture, History and Environment is hosting the festival with support from more than 20 campus and community co-sponsors.

For a complete list of events and more information, visit <http://www.nelson.wisc.edu/tales>. □

School of Music to honor violin professor with concert, CD

The School of Music will honor the memory of the late Vartan Manoogian, professor of violin, with a concert at 7:30 p.m. on Thursday, Nov. 1, in Mills Hall of the Mosse Humanities Building.

Philomusica, a 25-member student string ensemble, will perform under the direction of James Smith. Admission is free.

The program features the world premiere of a violin concerto by Zulema de la Cruz, one of Spain's leading composers. Manuel Guillén, a violin professor at Madrid's Royal Superior Conservatory of Music and one of Manoogian's former students, will be the soloist. The concert and soloist were booked last spring, but following Manoogian's death on July 12, the composer renamed the concerto in Manoogian's memory.

Other works on the program include the march from "Serenade for String Orchestra" by Dag Wirén and "Soledad for String Orchestra" by Zulema de la Cruz. Avedis Manoogian, Vartan's son, will join Guillén for the "Sonata for violin and piano" by



Manoogian

Claude Debussy, and the concert will conclude with the well-known "Serenade for Strings in E major" by Antonin Dvorak.

Manoogian began his career with positions at European orchestras, serving as associate concertmaster of the Lausanne (Switzerland) Chamber Orchestra and concertmaster of L'Orchestre de la Suisse Romande. He was an artist-in-residence at the North Carolina School of the Arts and a member of the Claremont String Quartet before joining the UW-Madison faculty in 1980. He attracted gifted undergraduate and graduate violin students, many of whom have become successful professional musicians and teachers.

Although he performed regularly for the Faculty Concert Series, Manoogian enjoyed nontraditional collaborations and settings for making music as well. In the

spring of 1997, he performed the finale of the Mendelssohn violin concerto with the Varsity Band directed by Michael Leckrone at the "Farewell to the Field House" concert.

In 2004, Manoogian recorded the complete sonatas and partitas for solo violin by J. S. Bach, a two-CD set available through the School of Music's online CD store. During the past two years, he had begun working on another ambitious recording project, the complete "Trio-Cosmos" by Henk Badings. "Trio-Cosmos" comprises 16 suites for three violins, and Manoogian planned to record all three parts of all 16 suites, multi-tracking the parts with different violins so each line could be distinguished within the trio texture. At his death, he had completed recording five of the trios, and these have been produced and issued on one CD that will be available for purchase at the concert.

The School of Music Alumni Association will host a reception for the audience following the concert at the University Club. □



During the past two years, Vartan Manoogian had worked on a recording project, the complete "Trio-Cosmos" by Henk Badings. At his death, he had completed recording five of the trios, and these have been produced and issued on one CD (pictured here) that will be available for purchase at the concert.

Book Smart



On Retirement: 75 Poems (University of Iowa Press, 2007)

Robin Chapman, professor emerita of communicative disorders (editor), with Judith Strasser

Robin Chapman spent 28 years as a professor of communicative disorders, studying and teaching about childhood cognitive and language development. "Writing was a counterweight to academic life," she says. "It happened in stolen moments — on the backs of checkbooks while waiting for a bus, scribbled in notebooks on walks... " Among her colleagues in manuscript groups, "all of us had other jobs, often demanding and absorbing ones. Still, we wanted stories in our lives, poems of lyrical moments, the creative experience of re-imagining past, present, future." Chapman loved her academic work and couldn't imagine giving it up, expecting a lifelong commitment. However, "there came a time when I felt I was repeating myself."

Like many contributors to this stirring collection, Chapman's passion for writing smoothed her transition into the next phase of her life. She and co-editor Judith Strasser (herself retired from Wisconsin Public Radio) turned to both literary giants and seldom-published poets, sifting through thousands of submissions during three years of creation. Former biologist Ann McNeal muses on the 55 years she has spent in schools and how easily she steps away: "Loving my work, I drop it now on the floor like a still-warm shirt..." U.S. poet laureate and Pulitzer Prize-winner Ted Kooser left a career as an insurance executive; his submission captures the steamy kitchen of an old woman making applesauce.

For every retiree finding meaning in a quiet morning at home, another may find life busier than ever before. Following her own retirement, Chapman continued research half-time for seven years while engaging in writing residencies and retreats. As her scholarly work involved questions of vocabulary, syntax and word acquisition, so too did her poetry. "The work on language learning, and on the way comprehension functions for us, has helped me to see what language choices will bring energy to the poem."

Chapman also retains a link to campus through the interdisciplinary Chaos and Complex Systems seminars. She serves on its steering committee, finding speakers who address what she terms "problems with non-linear dynamics" in science, social science, education and other fields. Out of this seminar, Chapman and physics professor Clint Sprott have also produced the well-received 2005 book "Images of a Complex World: The Art and Poetry of Chaos," linking Sprott's fractal art and mathematical questions with Chapman's poetry.

Through all of her work, Chapman delights in creating connections across social and academic lines — something she promotes as both exciting and necessary during retirement. Citing Carol Ryff's work with the Wisconsin Longitudinal Study, she notes that those in later years find wellbeing and resilience through a sense of social connection and meaningful work. "We must renegotiate these issues in retirement, finding new ways to be of use in the world and new connections to each other," she says.

Her advice: "For new retirees — welcome the time to explore, learn new things, and appreciate a slower pace. For all of us — celebrate the people in our lives!"

— Susannah Brooks

To view event listings: <http://www.today.wisc.edu/>

CALENDAR HIGHLIGHTS

'Hip-hop intellectual' takes the mic in Distinguished Lecture Series

Sure, he left a plum Ivy League job for the highest professorship available at Georgetown. But Michael Eric Dyson speaks about poverty from his own experiences growing up in working-class Detroit, working in a factory, becoming a teenage father and going on welfare. Facing issues of commercialism and controversy, Dyson's unflinching perspective on black culture brings him many accolades — and critics.

Dyson will speak at 7:30 p.m. on Wednesday, Oct. 24, at the Wisconsin Union Theater as part of the 2007-08 Distinguished Lecture Series. Students, faculty and staff may obtain free tickets today (Oct. 17) at the Union; community tickets are available Monday, Oct. 22.

The dichotomy between the "Afristocracy" of well-to-do blacks against the "ghettocracy" of poor urban areas forms the crux of Dyson's work. From debating Bill Cosby on personal responsibility to examining how hip-hop culture elevates the creativity of "degraded youth" while perpetuating political and sexual conflicts, Dyson forces readers to confront the reality of inner-city barriers and the greater world around them.

For more information, visit <http://www.union.wisc.edu/DLS/> or e-mail mckean@wisc.edu.

Alumnus takes horn playing to another dimension

Jazz aficionados might think of brass greats on trumpet, cornet and maybe even the

occasional trombone. But the horn?

Alumnus Adam Unsworth sets out to challenge perceptions from both the jazz and classical communities when he brings the Adam Unsworth Ensemble to Mills Hall at 7:30 p.m. on Thursday, Oct. 25.

Considered technically difficult, the horn (don't call it French) is best known for long, mellow orchestral themes reminiscent of a foxhunt. Unsworth reached a professional zenith — a position in the Philadelphia Orchestra — and thought, "This is it?" He assembled a motley yet brilliant group simply because he liked the sound combinations made by his horn and, say, the vibraphone of pal Tony Miceli, or the alto flute and bass clarinet of UW jazz and woodwind professor Les Thimmig.

The result proved a breakthrough, both for Unsworth's career and the performing options of horn players. A 2006 All About Jazz review of Unsworth's debut CD, "Excerpt This!", states that "his first recorded foray into jazz composition and performance brings a fresh voice to jazz that oozes technical brilliance with a serious attitude."

This concert is free and open to the public. For more information, call 263-9485, or e-mail music@music.wisc.edu.

Debussy opera connects American paintings with French aesthetic

French composer Claude Debussy's intimate, atmospheric works turn away from the bombastic German themes common to composers like Wagner and Mahler. Often described in painterly terms, Debussy's



In the foreground are James N. Kryshak (Pelléas) and Caitlin Cisler (Mélisande); in the background is Samus Haddad (Golaud) in University Opera's production of Claude Debussy's "Pelléas et Mélisande." Opening night is Friday, Oct. 26, in the Rennebohm Auditorium at Music Hall.

"impressionistic" music reflects the soft colors of that movement. It's no surprise, then, that for his only opera Debussy drew upon art, in particular, American James McNeill Whistler.

Debussy and Whistler may have collaborated on the first production of Pelléas et Mélisande. In turn, Whistler's works have inspired William Farlow's UW Opera production. The opera, adapted from a 1902 play by Maurice Maeterlinck, provides gripping psychological drama through the tale of forbidden, doomed love.

Drawing upon a cast of advanced student

performers and guest artists, UW Opera's first 2007-08 production features the UW Symphony Orchestra under the baton of James Smith. The opera opens on Friday, Oct. 26, in Music Hall and continues on Sunday, Oct. 28, and Tuesday, Oct. 30; tickets are \$18 for the general public and \$10 for UW students with ID.

More information is available at 265-9068 or opera@music.wisc.edu; contact the Wisconsin Union Theater Box Office at 262-2201 or the Vilas Hall Box Office at 262-1500 for tickets.

Writer's Choice: Activities abound during Homecoming

By Gwen Evans
gevans@wisc.edu

Everyone is a Badger during Homecoming Week, and a week's worth of fun and games from students and the Wisconsin Alumni Association will rev up spirit levels on campus and in the Madison community before the homecoming game on Saturday, Oct. 27. If you don't have a ticket to the matchup against Indiana, there are plenty of opportunities to show some spirit and make some noise.

Friday, Oct. 19

Library Mall is the place to be from noon-4 p.m., with performances by UW Breakers, Dance Elite, MadHatters and UW Bellydancing.

While there, check out the barge-building competition starting at 1:30 p.m. Contestants will craft a watercraft of cardboard and duct tape. At 3 p.m., head to the Alumni Pier behind the Wisconsin Alumni Association, 650 N. Lake St., to see how lake-worthy the barges are in a race to see how long two "sailors" can stay afloat in their vessels.

Saturday, Oct. 20

Shake your groove thing at a masquerade ball in the atrium of Grainger Hall. Proceeds benefit the Dean of Students



Who doesn't love a good parade? This homecoming tradition starts at 5 p.m. on Friday, Oct. 26 at Wisconsin Avenue moving to Gilman Street then State Street. A pep rally and fireworks will follow the parade at 7 p.m. at the Memorial Union Terrace.

Crisis Fund and student scholarships. 8 p.m.-midnight. Admission is \$8-\$10.

Sunday, Oct. 21

Lace up those kicks for the Homecoming Charity Run/Walk and Kids One-Mile Fun Run. The 5k run/walk course is set along the Lake Mendota shoreline and the UW-Madison campus, starting at Library Mall and ending with a cookout lunch,

also at Library Mall. The race starts at 11 a.m. In addition to the 5k run, children 14 and under (and their parents) are welcome to run alongside Bucky in all his furry glory in a one-mile fun run at 10:30 a.m. The cost is \$15-\$25.

Tuesday, Oct. 23

Groups from student organizations, residence halls, fraternities and sororities will

rock out without really rocking out in an air band competition. Each group has two minutes to take a song of their choice and make it their own by lip-synching, dancing and showing off their skills in their own air band. The hilarity takes place in the Memorial Union's Rathskeller, 7-9:30 p.m.

Wednesday, Oct. 24

Roll up your sleeve at the Homecoming Blood Drive in the Red Gym's On Wisconsin Room, 9 a.m.-4 p.m. Can't make it Wednesday? Never fear — the drive continues on Thursday, Oct. 25, also in the On Wisconsin Room.

Friday, Oct. 26

Everyone's favorite, the Homecoming Parade, features homemade floats, prizes, performances and the UW Marching Band. The parade travels from Wisconsin Avenue to Gilman Street to State Street. Note that the parade will start an hour earlier this year at 5 p.m.

After the parade, mosey to the Memorial Union Terrace at 7 p.m. for a spirited pep rally featuring the UW Band followed by a fireworks show.

A full listing of homecoming events is available at <http://www.uwalumni.com/homecoming>.

ARTS & EVENTS

We want to hear from you
Including your event in the campus
calendar is fast and easy.
Visit <http://www.today.wisc.edu>, click on "Submit
event," and follow the
instructions.



Thursday, Oct. 18

ENTERTAINMENT/ACTIVITIES

Legacies of Al-Andalus: Islam, Judaism, and the West "Cities of Light: The Rise and Fall of Islamic Spain." More than 1,000 years ago, southern Spain was home to Jews, Christians and Muslims. Their culture and beliefs intertwined, and the knowledge of the ancients was gathered and reborn. Wisconsin Historical Society Auditorium, 5-7 p.m. 263-3412, info@humanities.wisc.edu.

American Red Cross Youngblood Blood Donation Center Open Thursdays and Fridays while classes are in session. 302 Union South, 10 a.m.-4 p.m. 263-4590, wornsonm@usa.redcross.org.

LEARNING

Institute on Aging Annual Colloquium Preregistration required. Monona Terrace, 8:30 a.m.-2 p.m. 261-1493, aging@ssc.wisc.edu.

Language Institute Lecture "Standards-based Measures of Proficiency and the Ecology of Assessment." Carl Falsgraf, University of Oregon, delivers this lecture in the series "Assessing Language Learning." 254 Van Hise, noon. 262-1575, diannamurphy@wisc.edu.

Institute for Research on Poverty Seminar "Social and Economic Determinants of Health: Research Evidence vs. Public Opinion." Stephanie Robert, School of Social Work and IRP affiliate. 8417 Sewell Social Science, 12:15-1:30 p.m. 262-6175, cwilliam@ssc.wisc.edu.

Jewish Heritage Lecture Series "Writing of Hope in Times of Despair: Jerusalem in Woman's Eyes." The Sanford J. Ettinger Lecture by Michal Govrin. Co-sponsored by the Department of Hebrew and Semitic Studies, with the support of the Ettinger Family Foundation. State Historical Society Auditorium, 816 State St., 4 p.m. 265-4763, allight@wisc.edu.

The Pundits and the Power: Behind the Rise of Opinion Journalism Tobin Harshaw, the New York Times. 976 Memorial Library, 4:30 p.m. 265-2505, friends@library.wisc.edu.

Lecture by Tariq Ali "Axis of Hope: Latin America on the March." New Left Review's Tariq Ali will discuss his latest book. 1100 Grainger, 5-6:30 p.m. 262-9767, layoun@lss.wisc.edu.

Art History Gradforum Visiting Scholar Series Lecture "If Niggers Could Fly: Glenn Ligon and Other Runaway Subjects." Huey Copeland, Northwestern University. Chazen Museum of Art, Room L150, 5 p.m. bazinsli@wisc.edu.

The Blue Ox Reading Series MFA candidates in creative writing Nate Brown and Samar Fitzgerald will read their fiction. Avol's Bookstore, 315 Gorham St., 7 p.m. 262-5783.

Scandinavian Studies Musical Lecture "Two People Who Love One Another: A Musical Exploration of Danish Cultural Identity." Christina Dahl, University of Southern Denmark and the Fredericia Music Academy. Morphy Hall, Mosse Humanities, 8 p.m. 262-8995, jkallen@wisc.edu.

Humanities Without Boundaries: Michael Sells "God of War: American Power in a World of Religion." Wisconsin Historical Society Auditorium, 7:30-9 p.m. 263-3412, info@humanities.wisc.edu.

Hear Stories of Cancer Survivorship "Happiness in a Storm: Embracing Life as a Health Survivor" and "When the Other Shoe Drops: Finding Your Way Forward." Wendy Harpham is a physician and long-term cancer survivor; and Jessie Gruman is a founder and president of the Center for the Advancement of Health in Washington, D.C. Community and Convention Center, Monona Terrace, 8 p.m. 263-1677, ajohnson@biostat.wisc.edu.

Havens Center Lecture "The Radical American Tradition." This is the third of three lectures by Paul Buhle, Brown University, and Tom Hayden, Students for a Democratic Society. 1100 Grainger, 7:30 p.m. 262-1420, info@havenscenter.org.

Botany Colloquium "Gametophytic Self-Incompatibility in the Solanaceae." Ed Newbiggin, University of Melbourne, Australia. B302 Birge Hall, 3:30 p.m. 262-1057, lmpilgrim@wisc.edu.

Science and Technology Studies Brown Bag "Discussion With Visiting Speaker Kavita Philip." Kavita Philip, UC-Irvine. 8108 Social Science, noon-1:30 p.m. 262-5956, sts@ssc.wisc.edu.

Science and Technology Visiting Speaker Series "Lecture by Visiting Speaker Kavita Philip." Kavita Philip, UC-Irvine. 8417 Social Science, 4-5:30 p.m. 262-5956, sts@ssc.wisc.edu.

Chazen Museum of Art "Town Hall Meeting." View plans for the museum's expansion. Meet the architects and see the latest concept designs. L140 Chazen Museum, 7 p.m. 263-2246, nmustapich@chazen.wisc.edu.

SKILLS

University Houses Preschool Children's Book Club Read stories, make a craft and eat a snack. Parents learn interactive reading skills. Registration requested. 35A University Houses, 6:30 p.m. 238-3955, kmbeck@wisc.edu.

Managing Your Citations with RefWorks Covers the basic features of using RefWorks, including organization of records, searching/sorting records, importing records electronically from MadCat and journal databases, and preparing bibliographies. 108 Wendt Library, noon-1:15 p.m. 262-4308, libinstruct@library.wisc.edu.

Publishing Your Research Article: Arts and Humanities This workshop, particularly suitable for graduate students and newer faculty in the arts and humanities, introduces library resources that will help you prepare your research article for publication, find an appropriate journal and manage your rights when signing a contract with a publisher. 436 Memorial Library, 3-4:30 p.m. 262-4308, libinstruct@library.wisc.edu.

Friday, Oct. 19

ENTERTAINMENT/ACTIVITIES

Cinematheque: Masterpieces by Mizoguchi "The Life of Oharu (Saikaku ichidai onna)." The film chronicles the tragic demise of Oharu, a lady of the court who is exiled to the countryside for falling in love with someone below her class. Mizoguchi considered it his masterpiece. (Japan, 1952, 35mm, b/w, 144 min., subtitled.) Cinematheque, 4070 Vilas, 7:30 p.m. 262-3627, heckman@wisc.edu.

School of Music Guest Artist Series Pianist Eugene Alcalay, UW-Platteville, performs "Sonata in F major, Op. 54" by Beethoven; "Funerailles" and "Vallée d'Obermann" by Liszt; selections from "Mikrokosmos" by Bartok; and "Isoldens Liebestod" by Wagner, arranged by Liszt. Mills Hall, Mosse Humanities, 8 p.m. 263-9485, music@music.wisc.edu.

University Theatre Presents "On the Razzle by Tom Stoppard." "One false move and we could have a farce on our hands." Stoppard is at his wittiest in a hilarious story of two shopkeepers angling for adventure in turn-of-the-century Vienna. This funny, fast-paced comedy features jangling spurs, escaping lovers and mistaken identities. Mitchell Theatre, Vilas, 7:30 p.m. 262-1500, boxoffice@theatre.wisc.edu.

UWMBDA Dance Before the dance, waltz lessons will be taught at 6 p.m. (advanced) and 7 p.m. (intermediate). No partner or experience necessary. Memorial Union, Great Hall, 8 p.m.-midnight. info@uwmbda.org.

Men's Hockey Wisconsin vs. Robert Morris. Kohl Center, 7 p.m. 262-1440, akf@athletics.wisc.edu.

Volleyball Wisconsin vs. Ohio State. Field House, 7 p.m. 262-1440, akf@athletics.wisc.edu.

Free Art Fridays "Create a Mask: Custom-create Your Ghoulishness." Every Friday, bring friends and have a ball in the Craftshop. Access to the Craftshop and the featured project is free. Craftshop, fourth floor, Memorial Union, 9 p.m. 262-0330, jrallen3@wisc.edu.

American Red Cross Youngblood Blood Donation Center "Bring a Friend and Help Save Lives." Open Thursdays and Fridays while classes are in session. 302 Union South, 10 a.m.-4 p.m. 263-4590, wornsonm@usa.redcross.org.

Medici Masquerade "A Benefit for the Chazen Museum of Art." Experience an evening at the Medici Court. Enjoy dancing by the ladies and gents of Courtly Cadenza. Fine garments and masks are encouraged (but not required). Includes music, dancing and entertainment, hors d'oeuvres by Lombardino's Italian Restaurant and a cash bar. Chazen Museum, 6-8 p.m. 263-2246, specialevents@chazen.wisc.edu.

LEARNING

Center for Southeast Asian Studies "Burma in Crisis." Ingrid Jordt, UW-Milwaukee. 206 Ingraham, noon-1 p.m. 263-1755, kaborthao@wisc.edu.

RRC's Mohs Lectures by Placon "Effective Rheological Properties of Uniform and Clustered Suspensions." This lecture by V. A. Buryachenko, University of Dayton, is sponsored by the Rheology Research Center. 1800 Engineering Hall, 12:05-12:55 p.m. 262-7473, giacomini@wisc.edu.

Seminar in Pharmaceutical Sciences "Systemic Delivery of siRNA Via Targeted Nanoparticles." Mark E. Davis, California Institute of Technology. 2006 Rennebohm Hall, 2:30 p.m. 262-0353, jmmitchell@pharmacy.wisc.edu.

School of Journalism and Mass Communication Colloquium "Framing the War on Terror: A Matter of National Security or Civil Liberties?" Doug McLeod, School of Journalism and Mass Communication. Nafziger Conference Room, 5055 Vilas, noon-1 p.m.

Humanities Without Boundaries: Tariq Ali "What if Al-Andalus Had Survived?" Part of the humanities festival "Legacies of Al-Andalus." L160 Chazen Museum, 7:30-9 p.m. 263-3412, info@humanities.wisc.edu.

Art History Gradforum Visiting Scholar Graduate Workshop "The Blackness of Things." Huey Copeland, Northwestern University. Required reading from Fred Wilson: "Black Like Me." Interested graduate students should e-mail bazinsli@wisc.edu for registration. Chazen Museum of Art, Room L170, 10 a.m.-noon. bazinsli@wisc.edu.

Slavic Languages Lecture "Writing the History of East-Central European Literary Cultures: Translational and Comparative Paradigms." Marcel H. Cornis-Pope, Virginia Commonwealth University. Pyle Center, 4 p.m. 262-4311, tlongino@wisc.edu.

Lecture on Greenland and a Reception "Kalaallit Nunaat-Greenland: A Nation in the Making, Decolonization and Nation-Building in Denmark's Former Colony." Soeren Thuesen, University of Copenhagen, will give the keynote address for the conference "Greenland, The Arctic Region and Ethnicity." A reception will follow. Madison Museum of Contemporary Art, 227 State St., 7-10 p.m. 270-0244, aschmidt2@wisc.edu.

Archaeology Brown Bag "First Excursions Out of Africa: Current Research at the Paleolithic Site of Dmanisi, Georgia." Martha Tappen, University of Minnesota-Twin Cities. 5230 Social Science, noon-1 p.m. brodie@wisc.edu.

Law and Democratization in South Korea and Taiwan Quarles and Brady Reading Room, Law School Library, 9 a.m.-6 p.m. 890-1395, frascona@wisc.edu.

Legacies of Al-Andalus: Islam, Judaism and the West "The Arts of Co-Existence." Jerrilynn Dodds, City College of New York. Wisconsin Historical Society Auditorium, 11:15 a.m.-12:30 p.m. 263-3412, info@humanities.wisc.edu.

Legacies of Al-Andalus: Islam, Judaism and the West "Taboo Memories, Diasporic Voices: Between Al Andalus, the Middle East and the Americas." Ella Shohat, New York University. Wisconsin Historical Society Auditorium, 5-6:30 p.m. 263-3412, info@humanities.wisc.edu.

SKILLS

Introduction to Zen Meditation 301 S. Bedford St., Suite 219, 5:15-7:30 p.m. 235-9048, aekushner@wisc.edu.

FIND MORE ONLINE

■ **DoIT skills courses** The Division of Information Technology offers a variety of technical courses to students, faculty and staff. Courses include Web design, operating systems, database management and word processing. A list of classes is at <http://www.doit.wisc.edu>, or call 262-3605 or e-mail classes@doit.wisc.edu.

■ **Wisconsin Welcome** Numerous events are planned for Wisconsin Welcome, the program that helps new students get acclimated to campus. For a complete schedule of events, which last through October, visit <http://www.newstudent.wisc.edu/wiwelcome>.

Evidence-Based Practice: Overview of Resources

Get an overview of evidence-based practice (EBP) and the EBP resources available from on- and off-campus, including sources for systematic reviews (Cochrane, DARE, PubMed), sources for clinical trials (PubMed, CCRCT), and other EBP-related tools such as surveillance journals and clinical databases. 2121 Ebling Library, noon-1 p.m. 262-4308, libinstruct@library.wisc.edu.

Publishing a Research Article: Science and Social Science This workshop, particularly suitable for graduate students and newer faculty in the arts and humanities, introduces library resources that will help you prepare your research article for publication, find an appropriate journal and manage your rights when signing a contract with a publisher. 105 Steenbock, 1:30-2:45 p.m. 262-4308, libinstruct@library.wisc.edu.

Saturday, Oct. 20

ENTERTAINMENT/ACTIVITIES

Cinematheque: The Post-1968 Films of Jean-Luc Godard "Je vous salue, Marie (Hail Mary)." Condemned by the Catholic Church as sacrilegious, this film situates the Immaculate Conception in modern-day Switzerland. Accompanied by Anne Mieville's short "Le Livre de Marie." (France, 1985, 35mm, color, 107 min., subtitled.) Cinematheque, 4070 Vilas, 7:30 p.m. 262-3627, heckman@wisc.edu.

Midnight Movies: Dead Alive Some things won't stay down... even after they die. Main Lounge, Union South, midnight. 262-1143, kfield@wisc.edu.

School of Music Faculty Concert Series "European Capitals: Florence, Rome and Beyond." A program of virtuosic music by 20th century Italian composers performed by Mark Hetzler, trombone; Christopher Taylor, piano; Mimmi Fulmer and Consuelo Sanudo, sopranos; and Caen Thomason-Redus, flute. Mills Hall, Mosse Humanities, 8 p.m. 263-9485, music@music.wisc.edu.

University Theatre Presents "On the Razzle by Tom Stoppard." "One false move and we could have a farce on our hands." Stoppard is at his wittiest in a hilarious story of two shopkeepers angling for adventure in turn-of-the-century Vienna. This funny, fast-paced comedy features jangling spurs, escaping lovers and mistaken identities. Mitchell Theatre, Vilas, 7:30 p.m. 262-1500, boxoffice@theatre.wisc.edu.

Men's Hockey Wisconsin vs. Robert Morris. Kohl Center, 7 p.m. 262-1440, akf@athletics.wisc.edu.

Football Wisconsin vs. Northern Illinois. Camp Randall, 11 a.m. 262-1440, akf@athletics.wisc.edu.

Badger Bash Madison's largest tailgate party is held at Union South two hours before every home football game. All Badger fans are welcome to come and enjoy performances by the UW Marching Band and cheerleaders, food and drinks, Bucky Badger and pre-game coverage with local media outlets. Union South, 9 a.m.

Arboretum Ecological Restoration Work Party "Grady Tract." Volunteer for restoration activities and learn about prairies and savannas. Tools and training provided. Groups welcome with advance notice. Meet at the Grady Tract parking lot, 9 a.m.-noon. 265-5214, mlfarrior@wisc.edu.

ARTS & EVENTS

Arboretum Class "All About Owls." This class includes a slide show, "owl music" and stories. Registration required. Arboretum Visitor Center, 1207 Seminole Highway, 1-3 p.m. 263-7888, info@uwarboretum.org.

LEARNING

Greenland, The Arctic Region and Ethnicity "Talks by Four Professors." Soeren Thuesen: "Inuit Ways: Cultural Identity as Political and Social Resource in Greenland's Struggle for Self-determination"; S. Brantly: "Karen Blixen and Hybridity"; K. Wolf: "Iceland"; and N. Ingwersen: "Danes in Wisconsin." Pyle Center, 9 a.m.-12:30 p.m. 270-0244, aschmidt2@wisc.edu.

Law and Democratization in South Korea and Taiwan 9 a.m.-5 p.m. 890-1395, frascona@wisc.edu.

Legacies of Al-Andalus: Islam, Judaism and the West "The Moors: Who Were They and Why Is It a Problem?" Ross Brann, Cornell University. Wisconsin Historical Society Auditorium, 12:30-1:45 p.m. 263-3412, info@humanities.wisc.edu.

Sunday, Oct. 21

ENTERTAINMENT/ACTIVITIES

Volleyball Wisconsin vs. Penn State. Field House, 1 p.m. 262-1440, akf@athletics.wisc.edu.

Budget Bowling All day every Sunday, bowling is only \$12 per lane per hour, including shoes. No per-person charge. Games Room, Union South. 263-5181, recreation@union.wisc.edu.

Arboretum Badger Trolley Tours Free narrated tours aboard the Badger Trolley begin at the Visitor Center at 1, 2 and 3 p.m. Tours last approximately 45 minutes. View the prairies and woodlands in beautiful fall color and learn more about the Arboretum's history and purpose. Arboretum Visitor Center, 1207 Seminole Highway, 1-3 p.m. 263-7888, info@uwarboretum.org.

Arboretum Walk "Sampler." Arboretum Visitor Center, 1207 Seminole Highway, 1-2:30 p.m. 263-7888, info@uwarboretum.org.

Homecoming Charity Run/Walk Pre-register online for \$15 or same day for \$20. Library Mall, 9:30 a.m. 265-2731, homecoming@uwalumni.com.

SKILLS

Chimera Self-Defense Designed for Women Offered by the Rape Crisis Center. C6 Gordon Commons, 10 a.m.-4:30 p.m. 251-5126, rcc@itis.com.

Monday, Oct. 22

LEARNING

Population Health Monday Seminar Series "25 Years of HIV/AIDS in Africa." Peter Mugenyi, Joint Clinical Research Center in Kampala, Uganda. 1309 Health Sciences Learning Center, noon-1 p.m. 262-3862, teigland@wisc.edu.

University Lecture Series: Leonore Tiefer "New Drugs for Women's Sexual Satisfaction? Unpacking the Medicalization of Women's Sexual Problems." B10 Ingraham, 7 p.m.

Tuesday, Oct. 23

ENTERTAINMENT/ACTIVITIES

El Mes Chicano MEChA Film Series Every Tuesday this series features movies that are socially and culturally relevant, and the screenings are followed by discussions. The movie tonight is "30 Days on FX: Immigration." TITU Memorial Union, 6-9 p.m. 263-4830, mechastasyque@yahoo.com.

Russian Folk Orchestra Weekly Practice The Russian Folk Orchestra meets every Tuesday during the fall semester. Anyone is welcome. 1418 Van Hise, 7-9 p.m. 259-9440, inquiries@russorch.wisc.edu.

LEARNING

Physical Chemistry McElvain Seminar "Wet' Chemical Physics: From Gas-Liquid Collisions to Single Molecule RNA Folding." David J. Nesbitt, University of Colorado at Boulder. 1315 Chemistry Building, 11 a.m. 262-1969, houtsinger@chem.wisc.edu.

Food Pathogens and Toxins Cluster Faculty Candidate Seminar "Persistent Salmonellae: Where They Reside and Genes Needed for Survival." Corrella Dettweiler, University of Colorado at Boulder. 1220 Microbial Sciences, 11:30 a.m.-12:30 p.m. 263-7777, jljohns2@wisc.edu.

Visiting Artist and Colloquium Lecture: Radha Chandrashekar Alumna Radha Chandrashekar will discuss her latest research on "Performance Art and Design in Indigenous Rituals." 204 Educational Sciences, 5:40-6:25 p.m. 262-1662, hbnguyen@wisc.edu.

Chaos and Complex Systems Seminar "Research Organizations, Major Discoveries and the Performance of the American System of Science." Rogers Hollingsworth, departments of History and Sociology. 4274 Chamberlin, 12:05-1 p.m. chapman@waisman.wisc.edu.

Nano Cafe "Nanotechnology and the Environment." Talk with Robert Hamers and Joel Pedersen of the NSEC, and the Citizen's Coalition on Nanotechnology. Warner Park Center, 6:30-8:30 p.m. 238-1438, nano.cafes@gmail.com.

Wisconsin Climate Change Forum Susan Solomon, University of Colorado-Boulder, will present the keynote address at the second Wisconsin Climate Change Forum. Her talk is "Climate Change: A Review for Everyone." AB20 Weeks Hall, 6:30-9 p.m. 262-8757, mdmarohl@wisc.edu.

La Follette School Seminar Series "Climate Change and Health: Risks and Opportunities." Jonathan Patz, departments of Environmental Studies and Population Health Sciences, Center for Sustainability and the Global Environment. La Follette School Conference Room, noon, 262-3038, shelton@lafollette.wisc.edu.

SKILLS

Annual Fall Telescope Fair and Clinic Bring your own telescope for help and pointers on how to use it or browse through those on display. UW Space Place, 2300 S. Park St., 7-9 p.m. 262-4779, kay@sal.wisc.edu.

Managing Citations With EndNote Web This workshop covers the basic features of using EndNote Web including organization of records, searching and sorting records, importing records electronically from MadCat, journal article databases and Internet pages, and the preparation of bibliographies with a word processor. 105 Steenbock Library, 3-4:30 p.m. 262-4308, libinstruct@library.wisc.edu.

Managing Citations With RefWorks Cover the basic features of using RefWorks, including organization of records, searching and sorting records, importing records electronically from MadCat and journal databases, and the preparation of bibliographies. 3218 Social Science Library, 3-4:30 p.m. 262-4308, libinstruct@library.wisc.edu.

Wednesday, Oct. 24

ENTERTAINMENT/ACTIVITIES

University Theatre Presents "On the Razzle by Tom Stoppard." "One false move and we could have a farce on our hands." Stoppard is at his wittiest in a hilarious story of two shopkeepers angling for adventure in turn-of-the-century Vienna. This funny, fast-paced comedy features jangling spurs, escaping lovers and mistaken identities. Mitchell Theatre, Vilas, 7:30 p.m. 262-1500, boxoffice@theatre.wisc.edu.

Men's Soccer Wisconsin vs. Oakland. McClimmon Soccer Complex, 4 p.m. 262-1440, akf@athletics.wisc.edu.

University Club Centennial Dinner The University Club celebrates its 100th anniversary with a special dinner. The university community and all friends of the club are invited. A reception with a cash bar starts the evening, and dinner is served at 7 p.m. A brief program will conclude the event. University Club, 6-8:30 p.m. 262-5023, uclub@bascom.wisc.edu.

Homecoming Blood Drive On Wisconsin Room, Red Gym, 9 a.m.-4 p.m. 227-1357, wornsonm@usa.redcross.org.

LEARNING

McArdle Seminar in Cancer Biology "Stress Regulation of CREB/ATFs in Health and Disease." Randal Tibbetts, Department of Pharmacology. Auditorium, Biotechnology Center, 9:30 a.m. lambert@oncology.wisc.edu.

Distinguished Lecture Series: Michael Eric Dyson Dyson is a professor from Georgetown University known as the "hip-hop intellectual." His works cover all aspects of hip-hop culture and extend to the issues of race and gender in society. Wisconsin Union Theater, 7:30 p.m. mckean@wisc.edu.

Gaylord Nelson Lecture "Environmental Justice, Health and Sustainability: An Urban View." Peggy Shepard, West Harlem Environmental Action (WE ACT), New York City. 180 Science Hall, 7:30 p.m. 263-5599, tksincla@wisc.edu.

African Studies Sandwich Seminar "Science at Sea in the Twilight of Empire: The East African Marine Fisheries Research Organization." Christian Jennings, UW-Stevens Point. 206 Ingraham, noon-1 p.m. 262-2380, asp@afrika.wisc.edu.

SKILLS

Introduction to Zen Meditation 301 S. Bedford St., Suite 219, 7-9:30 p.m. 235-2905, kkushner@fammed.wisc.edu.

Effective PubMed Searching Learn to successfully mine PubMed, the world's largest biomedical literature database, using advanced features such as medical subject headings, limits, clinical queries, citation matcher, and the new My NCBI feature for saving searches, search results and setting up customized tabs. 2121 Ebling Library, noon-1 p.m. 262-4308, libinstruct@library.wisc.edu.

Automated Travel System Expense Module Demo This is an overview session that will include a review of travel-related best business changes that will be adopted campuswide when ATS goes into production, followed by a demo of the new Web-based travel expense reporting system. Register at <http://www.ohrd.wisc.edu>. Room 5045, 21 N. Park St., 1-2 p.m. 262-2006, tgill@bussvc.wisc.edu.

Thursday, Oct. 25

ENTERTAINMENT/ACTIVITIES

School of Music Guest Artist Series "Adam Unsworth Ensemble." This jazz quintet's members are Adam Unsworth, horn; Les Thimmig, woodwinds; Tony Miceli, vibraphone; Brian Howell, bass; and Tony Deangelis, drums. Mills Hall, Mosse Humanities, 7:30 p.m. 263-9485, music@music.wisc.edu.

University Theatre Presents "On the Razzle by Tom Stoppard." "One false move and we could have a farce on our hands." Stoppard is at his wittiest in a hilarious story of two shopkeepers angling for adventure in turn-of-the-century Vienna. This funny, fast-paced comedy features jangling spurs, escaping lovers and mistaken identities. Mitchell Theatre, Vilas, 7:30 p.m. 262-1500, boxoffice@theatre.wisc.edu.

American Red Cross Youngblood Blood Donation Center Open Thursdays and Fridays while classes are in session. 302 Union South, 10 a.m.-4 p.m. 263-4590, wornsonm@usa.redcross.org.

Homecoming Blood Drive On Wisconsin Room, Red Gym, 9 a.m.-4 p.m. 227-1357, wornsonm@usa.redcross.org.

LEARNING

CREECA Lecture Series "Balkanology and EUrology: Recent Developments and Future Changes." Victor Friedman, University of Chicago. 206 Ingraham, 4-5:15 p.m. 262-3379, events@creeca.wisc.edu.

Public Lecture by Kaja Silverman Kaja Silverman, University of California-Berkeley, gives this lecture in conjunction with a visual culture conference titled "Visual Theory: Interruption, Interference, Intervention." L140 Chazen Museum, 6 p.m. 263.2340, visualculture@education.wisc.edu.

Poet Jean Valentine Reading Sponsored by the Program in Creative Writing. 6191 Helen C. White, 7 p.m. 262-5783.

Civil-Military Relations in the Iraq War Michael Desch, Texas A&M. Sponsors are the Center for World Affairs and the Global Economy and the Wisconsin Veterans Museum. Wisconsin Veterans Museum, 30 W. Mifflin St., 7-8:30 p.m. 265-8038, dcmeiners@wisc.edu.

Analytical Sciences Seminar David H. Russell, Texas A&M University, Laboratory of Biological Mass Spectrometry and the Journal of Cluster Science. 1315 Chemistry, 12:15 p.m. martinze@chem.wisc.edu.

German-American Studies Lecture "German-American Women's Clubs in Nineteenth Century Milwaukee: Constructing Women's Roles and Ethnic Identity." Anke Ortlepp, German Historical Institute, Washington, D.C. TITU Memorial Union, 4 p.m. 262-7546, clnollen@wisc.edu.

Gary Sick: Iran Lecture/MESP "Is a U.S. Military Clash with Iran Inevitable?" Gary Sick, Columbia University. Morgridge Auditorium, 1100 Grainger, 8 p.m. 265-6583, jsarin@wisc.edu.

Friday, Oct. 26

ENTERTAINMENT/ACTIVITIES

Cinematheque: The Films of Satyajit Ray "Seemabaddha (Company Limited)." This powerful psychological drama follows young executive Shymal as he immerses himself in corruption. This is the second film of the Calcutta or City Trilogy. (India, 1971, 35mm, b/w, 110 min., in Bengali with English subtitles.) Cinematheque, 4070 Vilas, 7:30 p.m. 262-3627, heckman@wisc.edu.

University Theatre Presents "On the Razzle by Tom Stoppard." "One false move and we could have a farce on our hands." Stoppard is at his wittiest in a hilarious story of two shopkeepers angling for adventure in turn-of-the-century Vienna. This funny, fast-paced comedy features jangling spurs, escaping lovers and mistaken identities. Mitchell Theatre, Vilas, 7:30 p.m. 262-1500, boxoffice@theatre.wisc.edu.

University Opera "Pelleas et Melisande." William Farlow directs Debussy's only opera and James Smith conducts the UW Symphony Orchestra, with a cast of advanced student singers. Sung in French with English subtitles, "Pelleas" is an idiomatic setting of Maeterlinck's text alternating with rich musical interludes. Rennebohm Auditorium, Music Hall, 7:30 p.m. 265-9068, opera@music.wisc.edu.

UWMBDA Halloween Dance Rumba lessons will be taught at 6 p.m. for advanced and 7 p.m. intermediate. Madison Senior Center, 330 W. Mifflin St., 8 p.m.-midnight. info@uwmbda.org.

Women's Hockey Wisconsin vs. Minnesota State-Mankato. Kohl Center, 2:05 p.m. 262-1440, akf@athletics.wisc.edu.

Women's Soccer Wisconsin vs. Iowa. McClimmon Soccer Complex, 7 p.m. 262-1440, akf@athletics.wisc.edu.

American Red Cross Youngblood Blood Donation Center Open Thursdays and Fridays while classes are in session. 302 Union South, 10 a.m.-4 p.m. 263-4590, wornsonm@usa.redcross.org.

LEARNING

Spatial Information and Analysis Lunchtime Lecture Jessica Guo, Department of Civil and Environmental Engineering, will present "The Enacting Space of Activity and Travel Determinants." TITU Memorial Union, 12:15-1 p.m. 262-6850.

School of Journalism and Mass Communication Colloquium "Monkeys, Ghosts and Poisoners: The Challenges of Literary Journalism." Deborah Blum, School of Journalism and Mass Communication. Nafziger Conference Room, 5055 Vilas, noon-1 p.m.

Public Lecture by Norman Bryson Bryson, UC-San Diego, delivers this lecture as part of the Visual Culture conference titled "Visual Theory: Interruption, Interference, Intervention." L140 Chazen Museum, 6 p.m. 263-2340, visualculture@education.wisc.edu.

SKILLS

Introduction to Zen Meditation 301 S. Bedford St., Suite 219, 7-9:30 p.m. 235-2905, kkushner@fammed.wisc.edu.

Managing Citations With RefWorks Cover the basics of using RefWorks, including organization of records, searching and sorting records, importing records electronically from MadCat and journal databases, and the preparation of bibliographies. 2121 Ebling Library, noon-1 p.m. 262-4308, libinstruct@library.wisc.edu.

Automated Travel System Expense Module Demo This is an overview session that will include a review of travel-related best business changes that will be adopted campuswide when ATS goes into production, followed by a demo of the new Web-based travel expense reporting system. Register at <http://www.ohrd.wisc.edu>. Room 5045, 21 N. Park St., 1-2 p.m. 262-2006, tgill@bussvc.wisc.edu.

Ongoing Exhibits

John H. Van Vleck: "The Early Years" This exhibit focuses on the early years of John H. Van Vleck, who won the Nobel Prize for Physics in 1928. From the time of his birth in 1899 until his hiring as a physics professor in 1928, the exhibit has numerous mementos from his childhood and his time at UW-Madison. More displays to come. 4220 Chamberlin Hall, through Dec. 31. 262-4698, buehlman@wisc.edu.

Under the Medicean Stars "Medici Patronage of Science and Natural History, 1537-1737." This Special Collections exhibit traces the financial and intellectual support provided by the grand dukes of Tuscany to members of their courts and to scholars working throughout Italy. It highlights the interests of the Medici in both artistic and scientific endeavors. 976 Memorial Library, through Oct. 26.

Chazen Museum of Art "Natura Morta: Still-Life Painting and the Medici Collections." Wealth, power and cultural dominance, the Medici had it all. The Chazen Museum presents a touring exhibition of 43 still lifes that reflect the tastes and collecting habits of the famous Italian family in the 17th and early 18th centuries. Chazen Museum of Art, through Oct. 21. 263-2246, nmustapich@chazen.wisc.edu.

Arboretum Steinhauer Trust Gallery "Painting on Conservancy Lands." Seymour, Wis., artist Marsha Tuchscherer interprets and celebrates the natural beauty of two Wisconsin conservancy lands with vivid and evocative oil paintings: "Toft Point in Door County on Lake Michigan" and the "Pictured Rocks National Seashore on Lake Superior." Arboretum Visitor Center, 1207 Seminole Highway, through Oct. 30. 263-7888, info@uwarboretum.org.

Chazen Museum of Art "Small Arms — Children of Conflict: Photographs by Michael Kienitz." An exhibition of 36 photographs of children taken during some of the fiercest conflicts since the Vietnam War, in places such as Belfast, Lebanon and Central America. Mayer Gallery, Chazen Museum of Art, through Oct. 28. 263-2246, nmustapich@chazen.wisc.edu.

The Art of Ediciones Vigia: Handmade Books from Cuba On display are more than 50 books published by Ediciones Vigia, or Vigia Press, an "editorial collective" that began in the mid-1980s in Mantanzas, Cuba. The books, usually made in small editions of 200 copies, are collaborative works among Cuban artists, artisans and writers. Kohler Art Library, through Nov. 18. 263-2256, lkorenich@library.wisc.edu.

Skeletons in the Attic, Life in the Atrium: 100 Years of Medical Education at UW-Madison Highlights the centennial of the School of Medicine and Public Health. Photos in the exhibit and gallery

installation are mainly from the University Archives and Wisconsin Medical Alumni Association with additional material from the Ebling Library. Historical Reading Room, third floor, Ebling Library, through June 30. 262-2402, msullivan@library.wisc.edu.

Language Tables

Café et Conversation Fun French discussion for all levels. Michelangelo's Coffee House, 114 State St., 7-8 p.m. Fridays. 262-3941, atirving@wisc.edu.

Russian Table Discussion Native Russian speakers and students engage in friendly discussion on a variety of topics. Develop and maintain Russian language speaking ability through discussions, film series, trips and dance parties. Rathskeller, Memorial Union, 5 p.m. Fridays. russiantable@yahoo.com.

Danish Language Table This table is for everybody who wants to speak Danish with native speakers and students of Danish. Thursdays. Rathskeller, Memorial Union, 7-8 p.m. 270-0244, aschmidt2@wisc.edu.

Central Asian Language Table Join in for conversation in Uzbek, Kazak, Tatar or another language. Wednesdays. 1224 Van Hise, noon-1 p.m. 262-7141, uschamil@wisc.edu.

La Mesa de Conversacion This Spanish-language conversation table is sponsored by the Department of Spanish and Portuguese. Informal conversation at all levels of Spanish are welcome. Wednesdays. Rathskeller, Memorial Union, 5-7 p.m. srfondow@wisc.edu.

October 17 – 31, 2007

Wisconsin Week, the newspaper of record for UW-Madison, carries legally required notices for faculty and staff.

Center for Global Health Educational Travel Fellowships

The Center for Global Health announces that funding support is available for faculty and staff for educational travel that pertains to the mission of the Center for Global Health.

Applications, due Thursday, Nov. 1, can be downloaded at http://www.pophealth.wisc.edu/gh/docs/travel_fellowship.pdf.

For more information about the Center for Global Health, including how to sign up as an affiliate, visit <http://www.pophealth.wisc.edu/gh/>.

National Medal of Science 2008 Award call for nominations

The National Medal of Science is the nation's highest honor for American scientists and engineers, and the call for nominations for the 2008 medals is now open. Eligibility criteria and the nomination guidelines are available at <http://www.nsf.gov/od/nms/medal.jsp>. Information on past recipients is also available at <http://www.nsf.gov/od/nms/recipients.cfm>.

Fulbright-Hays Doctoral Dissertation Research Abroad Program

The competition is open for these awards, and the campus deadline for submission of all materials is noon on Friday, Oct. 26. Updated campus instructions will be available at <http://www.intl-institute.wisc.edu/fellow>. The electronic application is available through <http://e-grants.ed.gov>. Please direct questions to fellow@intl-institute.wisc.edu.

Health Services team works to change campus culture

The Campus Community Partnerships (CCP) team at University Health Services works to promote and support a healthy campus community, but their vision of health goes beyond blood pressure and the common cold.

"We're charged with changing the campus culture," says Katherine Loving, CCP civic engagement coordinator, "and we use a variety of research-based best practices, as well as collaborative efforts with students, faculty and staff, to accomplish this."

The CCP team believes a community is healthy when its members are actively engaged and feel a sense of belonging, safety and connection. The team's goals are to empower students to affect their environment; facilitate systemic change to support a healthy learning community; and equip students with the tools to create a more equitable society.

To accomplish this mission, the CCP team collaborates with academic departments, student organizations, the Madison area community and more.

One example of this collaborative effort is a one-credit fall class on health and popular culture in Witte Hall, designed by CCP community health specialist Susan Pastor. The class links classroom learning with the larger residence hall community and will culminate in a housing-wide symposium on health issues.

The CCP team focuses on four areas: individuals, their relationships, the community and society, says Carmen Hotvedt, CCP violence prevention specialist. "I work with a variety of programs to challenge attitudes that support sexual and domestic violence. We examine our own actions, our relationships, and community norms such as gender roles as they relate to gender-focused violence. Seeking to change laws and poli-

cies can change individual behaviors, and vice versa. This work requires us to work from both ends," says Hotvedt.

Daña Alder, the CCP team manager, says the team is committed to evaluating its efforts, but outcomes are sometimes hard to measure and can linger long after a specific event.

In 2001, CCP team staff collaborated with faculty in History and Afro-American Studies to create a course designed to engage students in the civil rights movement. Freedom Ride 2001 involved a three-week bus trip through the southern United States, with frequent stops for discussions with grassroots organizers in the African-American civil rights movement (<http://www.news.wisc.edu/freedom/>).

One stop was at the National Voting Rights Museum and Institute (NVRMI) in Selma, Ala, which initiated an enduring relationship between the NVRMI and UW-Madison. From 2002-04, a now-former CCP staffer took UW-Madison students on three service-based trips to the NVRMI, doing everything from putting up drywall to videotaping oral histories with grassroots civil rights leaders in Alabama. The director of the NVRMI has visited Madison twice for talks on the Institute's work, and in recent years, the Chadbourne Residential Learning Community has sponsored spring break trips to NVRMI to give students the opportunity to learn firsthand about the civil rights movement and to perform service projects there.

Rodney Horikawa, CCP community building coordinator, works with a wide spectrum of individuals on campus. "My broad mission is to nurture and sustain the building of a more inclusive campus community, especially with respect to communities that have historically been

marginalized," he says.

Horikawa helps to facilitate an annual social justice weekend retreat called "Understanding Privilege," with Promoting Racial and Ethnic Awareness (PREA), a student organization. He also coordinates Student SEED (Seeking Educational Equity and Diversity) seminars each semester.

Other initiatives this fall include Loving's collaborative work with faculty and members of the Madison community on a project that gives students the chance to help community-based organizations address their information technology challenges, an effort by the community health specialist pastor to educate students about alcohol overcon-

sumption that leads to medical emergencies, and a collaborative effort involving Hotvedt, other campus partners and the Wisconsin Coalition Against Sexual Assault to host a campus keynote address as part of WCASA's Annual Conference, Sexual Violence and the College Campus in September.

"Our work has both expanded and deepened since the team was formed in 1998," Alder says. "It was daunting to all of us to be charged with 'changing the campus culture,' but, working in collaboration with students and other terrific campus allies, it is truly impressive to see what dedicated people can accomplish." □



Taylor Kokinos (right) and Dick Whalen look over computers at the grand opening of the new SWAP (Surplus with a Purpose) store, located at 1061 Thousand Oaks Trail in Verona. The store sells surplus university and state government property to nonprofits and the public.

Photo: Bryce Richter

Humanities festival examines 'Al-Andalus'

For this fourth Humanities Festival in Madison, the Center for the Humanities will invite leading writers, scholars and artists to Madison to lead a public discussion of the legacies in the modern world of "Al-Andalus," the Muslim kingdom on the Iberian Peninsula from the 8th to the 16th centuries, with its three communities of Muslims, Jews and Christians.

The festival will explore the effects of the Diaspora of expelled Jews and Muslims on the three communities and their interactions today.

As in the case of the Jane Austen and W.E.B. Dubois festivals, this year's Humanities Festival is planned in conjunction with a scholarly conference which will stand at its center. This festival complements "Al-Andalus: Cultural Diffusion and Hybridity in Iberia (1000-1600)," Thursday-Saturday, Oct. 18-20, organized by Professor Ivy Corfis of the UW-Madison Medieval Studies Program.

The festival itself will focus on connecting the issues raised by medievalist scholars to the modern world and to current political concerns. The "Al-Andalus" conference fits well with the Center for the Humanities'

mission to promote interdisciplinary humanities scholarship and to bring the resources of UW-Madison to the broader community.

One highlight of the festival is a performance by The Kings Noyse ensemble at 7:30 tonight (Oct. 17) in Mills Hall. The ensemble program will feature medieval and Renaissance Jewish, Muslim and Christian music especially from Spain, and will highlight the legacy of Al-Andalus in musical terms. The Kings Noyse event is being coordinated with Paul Rowe, an associate professor in the School of Music and artistic director of the Madison Early Music Festival. The Kings Noyse is among the most celebrated groups in the early music field. Committed to a wide range of repertoire illuminated through their scholarship, The Kings Noyse performs on a set of Renaissance-style violins of all sizes (the only set of its kind in North America). The instruments were built especially for the ensemble and modeled after extant instruments made by Andrea Amati of Cremona in the mid-16th century.

The intellectual and public profile of the festival's speakers, including Tariq

Ali, Ross Brann, Jerrilyn Dodds, Naïm Kattan, Michael Sells, Regina Schwartz and Ella Shohat, is remarkable. The festival will highlight two speakers through our Humanities Without Boundaries series. Michael Sells, John Henry Barrows Professor of Islamic History and Literature in the Divinity School of the University of Chicago, will speak on the topic "God of War: American Power in a World of Religion" at 7:30 p.m. on Thursday, Oct. 18, at the Wisconsin Historical Society Auditorium.

The second Humanities Without Boundaries Lecture, by famed author, filmmaker and editor Tariq Ali, posing the question "What if Al-Andalus had survived?" will be held at 7:30 p.m. on Friday, Oct. 19, in Room L160 at the Chazen Museum of Art. There will be a special showing of the PBS documentary "Cities of Light: The Rise and Fall of Islamic Spain" on Thursday in the Wisconsin Historical Society Auditorium at 5 p.m.

Visit the Center for the Humanities' Web site for further information and updates at <http://www.humanities.wisc.edu>. □

Faculty contributed to IPCC reports

UW-Madison faculty members made significant contributions in developing the reports on the implications of global warming that led to the awarding of the 2007 Nobel Peace Prize to Vice President Al Gore and the United Nations' Intergovernmental Panel on Climate Change (IPCC).

Jonathan Patz, a professor in the Center for Sustainability and the Global



Patz

Environment in the Nelson Institute for Environmental Studies, was a lead author of the North American chapter of the 2007 IPCC report. He was also a lead author on previous IPCC reports in 2001 and 1995, as well as a past co-chair for the Health Expert Panel of the U.S. National Assessment on Climate Change.

John Magnuson, a professor emeritus of zoology, director emeritus of the Center



Magnuson

for Limnology, was a lead author of chapters in the 1995 and 2001 IPCC reports. His contributions focused on the impacts of climate change on freshwater ecosystems.

John Kutzbach, emeritus professor of atmospheric and oceanic science and former director of the UW-Madison Center for Climatic Research, also contributed. The most recent IPCC included an article on the changes in global water budget anticipated by the year 2100. The article was co-authored by Kutzbach; Steve Vavrus of the UW-Madison Center for Climatic Research; and Jack Williams of the Department of Geography. In previous IPCC reports, Kutzbach served as a contributing author.

Thousands of scientists from around the world contributed to the IPCC reports, which evaluated the phenomenon of climate change and its implications for human society and the natural world.

In a statement Oct. 12, Ole Danbolt Mjøs, chair of the Nobel committee, said, "Through the scientific reports it has issued over the past two decades, the IPCC has created an ever-broader informed consensus about the connection between human activities and global warming. Thousands of scientists and officials from over 100 countries have collaborated to achieve greater certainty as to the scale of the warming."

The Intergovernmental Panel on Climate Change was established in 1988 to study climate change information. The group doesn't do independent research but instead reviews scientific literature from around the world. □

Two to receive CALS distinguished service awards

Biochemist Hector DeLuca and former dean Leo Walsh will receive Distinguished Service Awards from the College of Agricultural and Life Sciences at an awards banquet on Thursday, Oct. 25.

DeLuca is one of the UW-Madison's best-known and most prolific scientists. Walsh served as dean of the College of Agricultural and Life Sciences from 1979 until 1991.

The Distinguished Service Award, established in 1994, is given to individuals within CALS to recognize outstanding service to the university and beyond.

■ In a career spanning almost five decades, DeLuca has left an indelible mark on the field of biochemistry.

"In terms of quality, productivity, and impact, his program provides an exceptionally good example of chemistry and biochemistry directed to the better understanding and more effective treatment of human disease and to the improvement of human health and well-being," says J. Wesley Pike, a professor of biochemistry.

In 1951, DeLuca began graduate studies at UW-Madison under the tutelage of Harry Steenbock. By 1959, he was an assistant professor; in 1965, he was named Harry Steenbock Research Professor. He served as chair of the biochemistry department from 1970-86, and again from 1991-2005.

During this time, he has trained more than 200 graduate students and post-doctoral fellows, produced more than 1,120

publications highlighting his research in the fields of vitamin A, vitamin D, calcitonin and parathyroid hormone, and accumulated more than 150 active patents in the United States alone.

He is best known for his work on Vitamin D. He made the critical discovery that vitamin D's function as a regulator of calcium homeostasis requires its conversion to biologically active metabolites. "Prior to this discovery, vitamin D had been recognized as an essential factor that had to be derived from the diet (i.e. a vitamin) or from exposure to sunlight. DeLuca's work showed that vitamin D was, in fact, a hormone," notes Elizabeth Craig, current chair of the biochemistry department.

■ Walsh saw the College of Agricultural and Life Sciences through some tumultuous times. During his tenure as dean, U.S. agriculture underwent its worst financial stretch since the 1930s, and the college was sometimes a target of farmers' frustration. Yet, while budgets were tightly restricted, Walsh moved the college past the acrimony and kept it at the top of its game. He ushered in several new programs, including the Center for Integrated Agricultural Systems and the Center for Dairy Research. Walsh also played a key role in the establishment and the initial funding of the UW Biotechnology Center.

Colleagues praise his deep commitment to agriculture at all levels. In 1982,

Walsh became the chair of the Division of Agriculture for the National Association of State Universities and Land-Grant Colleges. In 1987, President Bush appointed him to the Board of International Food and Agricultural Development, where Walsh advised the United States Agency for International Development (USAID) on programs to promote sustainable agriculture and natural resource protection in developing nations.

"As a university administrator, both department chair and dean, Dr. Walsh encouraged programs that improved the economy, preserved natural resources, and above all, enhanced quality of life for the people of Wisconsin," says Robert Hoeft, professor and chair of the department of crop sciences at the University of Illinois at Urbana-Champaign.

Now retired, Walsh still advocates for his discipline, agriculture and the College of Agricultural and Life Sciences. "In recent years," Hoeft notes, "(he) has given his time and personal resources to establish programs that would advance science, and more importantly that would move science into the public arena where it would benefit mankind."

The awards banquet will be held at 5:30 p.m. at the Memorial Union. For reservations, call 263-1672. □

New student programs office requires transfer students to take part in SOAR

The Office of New Student Programs recently updated its policies to require all students transferring to the university to attend an on-campus SOAR orientation program prior to enrolling for courses.

This change, effective immediately, applies to all students transferring from other UW System institutions, with the exception of those participating in the UW Connections Program. Prior to 2007, stu-

dents had been allowed to enroll without attending orientation.

Campus research, student evaluations and staff experience demonstrate that new transfer students benefit from attending an on-campus orientation program, says Carren Martin, SOAR coordinator.

On the Madison campus, January and June orientation sessions allow the best timing for these sessions. This timing does

not require transfer students to miss classes or exams on their current campuses, and UW-Madison has an established process for reserving course sections for students at this time.

Students transferring from UW System institutions will have first enrollment priority by attending one of the Student Orientation Advising and Registration (SOAR) sessions reserved for System trans-

fers only, held ahead of sessions conducted for other new transfer and first year students.

Students will be informed of these priority sessions and provided with instructions for making a reservation via an insert in their admissions packet as well as a post-card reminder prior to registration.

For more, contact Martin at cmartin@odos.wisc.edu or 263-0363. □

WARM Continued from page 1

a 45-minute round trip.

"I liked taking responsibility for my patients and having close interactions with them," he says. "I want to continue doing that as a rural physician."

Getting his patients involved in the community was also an important part of the job, whether it was taking walks around town, going shopping or finding employment. Dean views community involvement as a natural extension of what the typical rural doctor does.

"Rural physicians are not only responsible for the lives of their patients, but for the lives of their communities," he says.

Dean developed his sense of community growing up in the Grant County town of Blue River, where he experienced firsthand some of the challenges of rural medicine.

"I had health checkups and physicals done every year at the little clinic in Muscoda, but would rarely see the same doctor for two consecutive years," he says. That lack of continuity can prevent patients from having the trusting relationships with their doctors that are so important to optimal care, he says.

Dean plans to put down roots in rural Wisconsin and provide years of sustained care to his future patients and community.

Shanna Berger

Both of Berger's parents have worked for years in a critical-access hospital near their hometown of Baldwin, a northwestern town near Hudson. Her father is a physician assistant and her mother is a nurse. In dinner table conversations and focused discussions, Berger learned about many of the issues surrounding the creation of these federally designated facilities located in areas of the country where shortages of physicians abound and thousands of patients do not get the care they need.

"The United States is a leader in health care as far as technological advances are concerned, but despite this, millions of people are underserved in this country and one of the most significant underserved populations exists in rural communities," Berger says. "I see a growing need for rural physicians and I want to be a part of improving the care of rural patients."

Living and working in rural Wisconsin in

the future will also allow Berger to fulfill her life goal of raising her children in the same kind of community in which she was raised, a goal all her WARM classmates share.

Growing up in Baldwin provided her many opportunities that may not have been possible in a city, she says. She held leadership positions in high school, participated in many clubs and, above all, was very active in community volunteer work, like her WARM compatriots.

"Working on behalf of the people of Baldwin was a meaningful way for me to give back to my extended community," she says. "I will continue to do that throughout my life."



Vakharia

Nathan Vakharia

Vakharia is interested in many areas of medicine. During high school in McFarland, he took part in a school-to-work program that allowed him to shadow a local physician whose practice

included many patients from surrounding Dane County communities. He interned at a local dentist's office the second year of the program, and during college he joined the emergency medical services department.

Now as a WARM student, Vakharia looks forward to exploring several specialties as he clarifies his future in rural medicine, where physicians of all kinds are in short supply.

"The WARM program lays the foundation for multiple rural specialties, and this was an important consideration for me when I was applying," he says. "Having flexibility in my practice will allow me to grow and extend my capabilities."

Vakharia's capabilities include a record of success in the classroom, as well as an impressive list of volunteer activities in the community. His parents taught him, he says, "that a community is much more than a place to live — it is an extended family and a way of life."

Vakharia and his young family hope to settle in a small Wisconsin town such as the one in Upper Michigan where his wife was raised. Conversations with residents and health care providers there have helped him

focus on improving rural care everywhere.

"I hope to help solve rural health problems by drawing on my humanistic principles, community service goals and creativity," he says. "I want to build on the positive aspects of rural life while addressing the needs."



Anderson

Diane Anderson

As part of her senior honors research at UW-Superior, Anderson undertook an internship with UW's Spirit of EAGLES, identifying cancer health care

disparities among tribal communities in Wisconsin and Minnesota. Among other things, the project revealed that, for a variety of understandable reasons, many people living in rural areas are prone to delay seeking medical attention.

For Anderson, this realization was an up-close illustration of a problem that has frustrated health care providers for years: When patients seek care only after a problem becomes serious, their condition may have deteriorated dramatically.

The community-based research project with American Indians also taught Anderson how to successfully build relationships with people in diverse rural communities.

Medicine is a second career for Anderson. After leaving the business world that had taken her to several large cities, and with the ability to live anywhere, she and her husband chose to make Bayfield their home in 2000. One reason was to be closer to family. In addition, Anderson had grown up outside Waupun next to Horicon National Wildlife Refuge and wanted to live where she could appreciate nature again. She was also looking for the sense of community urban areas could not provide.

Even before she completed her individualized pre-medical studies at UW-Superior, Anderson thought she wanted to be a rural doctor. Now her vision is crystal clear.

"I hope to become a beacon in a rural Wisconsin community where I can contribute to addressing disparities in diverse populations and work with underserved patients," she says. □

Milestones Continued from page 5

sciences; **M. Jake Vander Zanden**, zoology; **Ethelene Whitmire**, School of Library and Information Studies; **Nihal Ahmad**, dermatology; **Caroline Alexander**, oncology; **David Andes**, medicine; **Craig Atwood**, medicine; **Herbert Chen**, surgery; **Moo Chung**, biostatistics and medical informatics; **Michael Fritsch**, pathology and laboratory medicine; **Sterling Johnson**, medicine; **Mathew Jones**, physiology; **James Keck**, biomolecular chemistry; **Patricia Keely**, pharmacology; **Pamela Kling**, pediatrics; **Douglas McNeel**, medicine; **Christina Newton**, biostatistics and medical informatics; **John Sheehan**, medicine; **Randal Tibbetts**, pharmacology; **Su-Chun Zhang**, anatomy; **Jing Zheng**, obstetrics and gynecology; **Susan Zahner**, School of Nursing; and **Sandro Mecozzi**, School of Pharmacy;

The following individuals have new **tenure-track faculty positions**: **Bret Shaw**, life sciences communication; **Shawn Conley**, agronomy; **Chi-Liang Yen**, nutritional sciences; **Paul Esker**, plant pathology; **Katherine White**, rural sociology; **Mutlu Ozdogan**, forest ecology and management; **Shana Clor Proell**, School of Business; **Qing Liu**, School of Business; **Paul Sacaridiz**, art; **Jennifer Delaney**, educational leadership and policy analysis; **Jennifer Reed**, chemical and biological engineering; **Brian Pflieger**, chemical and biological engineering; **Stark Draper**, electrical and computer engineering; **Jeffrey Linderoth**, industrial engineering; **James Luedtke**, industrial engineering; **Michael Zinn**, mechanical engineering; **Mary Hark**, School of Human Ecology; **Carolyn Kallenborn**, School of Human Ecology; **Jung-Hye Shin**, School of Human Ecology; **Annamarie Schneider**, Nelson Institute for Environmental Studies; **Jason Yackee**, Law School; **Mitra Sharafi**, Law School; **Alexandra Huneus**, Law School; **Suzette Spencer**, African American studies; **Tracy Curtis**, African American studies; **Nancy Mithlo**, art history; **Sabine Gruffat**, communication arts; **Lyn Van Swol**, communication arts; **Margarita Kaushanskaya**, communicative disorders; **Li Zhang**, computer sciences; **Mark Meulenbeld**, East Asian languages and literature; **Lukasz Drozd**, economics; **Ricardo Serrano-Padial**, economics; **Daniel Quint**, economics; **Marek Weretka**, economics; **Amit Gandhi**, economics; **Nevine El-Nossery**, French and Italian; **Anders Carlson**, geology and geophysics; **Shanan Peters**, geology and geophysics; **Ipek Yosmaoglu**, history; **Susan Yackee**, LaFollette School of Public Affairs; **Gregory Nemet**, LaFollette School of Public Affairs; **Karyn Riddle**, journalism and mass communication; **Jean-Luc Thiffeault**, mathematics; **Hsian-Hua Tseng**, mathematics.

Nursing Continued from page 1

flexibility so students could pursue their education without having to relocate or travel great distances to campus.

Students are admitted and enroll in one of the five institutions, usually the one closest to where they live, and must complete the specific degree requirements of that "home institution" as well as the shared courses of the BSN@Home program, Nellis says. Students can be granted up to 60 credits toward their bachelor's degrees through an agreement between the UW System with the state's technical colleges.

When the program began, the five core courses were not offered online, but rather at up to 16 satellite locations within the UW System, including at many of its two-year colleges. Nursing students would meet in a lecture room on the campuses and listen to lectures live via audiographics, a system that combines sound and visual aids such as PowerPoints. As Internet technology became increasingly better and students began requesting Internet delivery, Nellis

says BSN@Home began in 2001 to shift its courses online.

Now, most of the nursing and general education requirements can be fulfilled online, although students usually take at least one or two courses on campus. The required on-campus courses are often taught with an alternative schedule, Nellis says, describing an example of a UW-Madison required course that meets one full day each month during the semester versus several times per week. Most students complete the BSN@Home program in three to five years, she says.

Pam Scheibel, a UW-Madison professor who teaches a health assessment course for the BSN@Home program, says she enjoys teaching online classes because of the Web's interactivity.

"When they write and give me a sense of what they're thinking, I know them better than if I have 40 students in a classroom and I don't have them write and talk to me every day," she says. "If I notice they're

going down the wrong path, I can stop it quickly, versus waiting until the midterm exam and figuring out, 'They've built their assumptions on one thing and it's cascaded down a bit.'"

The lack of in-person interaction was a concern for Mortier at first, but since completing her first semester in the program, she says she has been impressed with each instructor's interactions with her.

"They were very on top of things," she says. "You could e-mail them and they'd have an e-mail back to you quickly answering any of your questions. You had phone numbers and you could call them directly — it ended up being nice."

Moreover, she adds, nursing students can ask fellow students questions quickly and easily via online message boards, increasing the interactivity of the program.

The biggest advantage to offering the courses online, though, Nellis says, is the flexibility it provides the associate degree nurse to earn the baccalaureate degree with-

out disrupting work or family life.

"Some of the comments they have made in our evaluations is that they would have been unable to receive their baccalaureate without this program, especially with it being on the Internet. Many of these students are married, have families and are rooted in the communities. They could not have moved or commuted to an institution that offered it," she says.

Since the program began, more than 550 students have graduated with their bachelor's degrees. Many are looking to get advanced nursing degrees to become nurse practitioners or clinical nurse specialists, Nellis says. A 2006 survey of graduates revealed that 42 percent have completed or are currently enrolled in master's programs in nursing, and another 56 percent are planning to enroll in master's programs. □

Professor's Native American soldier documentary to air on PBS

By Michael Penn
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As a United States soldier in 1920s, Edward DeNomie chased Pancho Villa and fought in all seven major battles of World War I. He took shrapnel in his ear and lost a lung in a German gas attack. He saw some of his best friends die, all while serving a country of which he was not a citizen.

That is because he — like 12,000 other soldiers who volunteered for military service during World War I — was Native American.

Patty Loew, a veteran television journalist and an associate professor of life sciences communication, has long wondered what motivated men such as DeNomie, who also happens to be her grandfather, to fight for a country that considered them outsiders. Now, she has produced "Way of the Warrior," a one-hour documentary that will air nationally on the PBS network in November, to explore these questions.



Loew

In chronicling the war stories of Native American soldiers from World War I to Vietnam, "Way of the Warrior" offers an interesting counterpart to Ken Burns' seven-part series, "The War," which was criticized by some for neglecting the contributions of minority soldiers in World War II. Like Burns, Loew uses historical footage, primary documents and interviews with veterans and their families to relate deeply personal tales of bravery, heroism and loss. But she also probes social stereotypes and aspects of tribal cultures that have made the experiences of Native American soldiers unique.

Because Native Americans were not guaranteed U.S. citizenship until 1924, most Native American soldiers in World War I wore the uniform of a country that did not permit them to vote. Some chose to serve in

guard units for a steady income, Loew says, but many others were motivated by tribal values of obligation, service and protection.

"There is a really heavy layer of warrior/service culture that exists in many Native American communities," says Loew, a member of the Bad River Band of the Lake Superior Ojibwe. "Especially in protector clans such as the Bear Clan, you see many members volunteering to serve."

Although Loew was inspired by her grandfather's experience to begin work on the documentary, she says she did not anticipate he would become a major part of the story. Fate, however, kept dictating otherwise. Shortly after Loew began research for the project, her cousin came across her grandfather's wartime diary, which detailed the daily life of his infantry division as it moved through the battlefields of France. She later encountered footage and photographs of her grandfather's unit in training and combat.

"Ironically, he turns out to be one of the best-documented World War I soldiers in history," Loew says. "But in many ways, he is an everyman. His experience is so representative of what most Native American soldiers faced."

One common theme that emerges from Loew's interviews is the danger many Native American soldiers encountered in combat. Loew says Native American soldiers were more likely to be placed in frontline positions, which she attributes to fantastical notions about Native Americans' bravery and skill in the frontier.

"They were seen as super-warriors, who were supposedly extraordinarily brave and fierce," she says. "Because of those stereotypes, Native Americans often saw some of the most dangerous duties in combat. They were disproportionately the ones walking point or jumping behind enemy lines."

And disproportionately dying. Loew notes that the casualty rate of Native American soldiers was five times higher than that of U.S. forces as a whole during World War I. Sixty percent of the men in her grandfather's



Photos: Courtesy Patricia Loew

Patricia Loew's grandfather, Pvt. Edward DeNomie (Bad River Ojibwe), 127th Infantry, 32nd "Red Arrow" Division, saw action in all seven major battles in which American Expeditionary Forces fought during World War I. Loew, an associate professor of life sciences communication, has produced "Way of the Warrior," a documentary that explores the motivation of Native American soldiers to fight in the U.S. military, for a country that considered them outsiders.

infantry unit died in action.

Yet Loew was struck by the rituals employed by many tribal communities to cope with such horrors. Her film describes elaborate traditional ceremonies that different Native American tribes staged to send off or welcome home soldiers. Those returning from war were sometimes given new names and ritual baths, which were meant to cleanse their souls of the atrocities they had witnessed. While some viewers may regard these ceremonies as purely symbolic, Loew perceives a deeper effect.

"Really, they are a form of group counseling," she says. "They were a way to protect the community from this poisonous experience." Indeed, she says the veterans she interviewed who underwent these rituals generally reported fewer problems with post-traumatic stress disorder in the years after their service.

Loew's documentary will premiere



Entries from the diary of Pvt. Edward DeNomie in August 1919, written from the French front. The diary detailed the daily life of DeNomie's infantry division as it moved through France during World War I.

nationally at 8 p.m. on Thursday, Nov. 1. Wisconsin Public Television will air the film at 8 p.m. on Monday, Nov. 5. Check local listings for details. □

Truman Foundation names UW-Madison an 'honor institution' for 2007

By Kristin Czubkowski
czubkowski@wisc.edu

For a national scholarship that gives out 75 awards or less each year, Truman Foundation Executive Secretary Frederick Slabach says it is "rare" for a single university to have two scholars in the same year.

That being said, when UW-Madison did it earlier this year, he wasn't exactly surprised.

"We clearly get the sense from everything we know about the University of Wisconsin that there is a culture on campus that values public service, and the university has encouraged individuals with an interest to pursue it," he says.

It was that culture that prompted the Truman Foundation to name UW-Madison as one of four "honor institutions" for the academic year. Other schools named as honor institutions for 2007-08 were Michigan State University, the University of Alabama and the University of Georgia.

The Truman Scholarship, named after former president Harry S. Truman, awards about 75 college juniors with \$30,000 for

graduate study. Beyond that, the foundation also provides students with the opportunity to network with current and former scholars during a leadership week in May after scholarship winners are announced, and during the summer after graduation, when the foundation runs a summer institute that helps scholars find and finance summer internships in Washington, D.C.

The Truman Foundation began naming "honor institutions" in 1996, and the foundation has honored between two and five schools each year since as a way of recognizing institutions who have successfully promoted the scholarship as well as the value of public service.

"What we hope that this recognition does is encourage colleges and universities to continue to put in the effort that we know it takes to participate in this way in the scholarship," Slabach says. "It's really hard — it takes a lot of time and effort on the part of faculty and staff who are involved, and it's really a recognition and hopefully some encouragement for them to keep up the good work."

While the foundation has chosen three UW-Madison students as scholarship recipients in the past two years, Slabach said the award was given to the university for its longtime commitment to public service and overall success in promoting the Truman Scholarship on campus. Since the scholarship's inception in 1977, he says, UW-Madison students have won 15 times, a "highly unusual and really remarkable success rate."

This success, Slabach says, usually comes from an "extremely rigorous" internal application process that ensures the school offers the best candidates and continues to prepare them along the way. UW-Madison, as well as many other colleges and universities who nominate students for the Truman Scholarship, requires students who are interested in being nominated to complete the scholarship application well before the foundation's February deadline. Faculty and staff serve on a campus committee that nominates four to compete for the national award.

After the four students are chosen, the

campus committee continues to help the candidates by giving feedback on their application essays, as well as by conducting mock interviews with them, says Julie Stubbs, director of the Undergraduate Academic Awards Office, which administers the campus competition.

UW-Madison's 2007 Truman Scholars, Max Bruner and Adam Schmidt, say they appreciated the university's help during what can be a challenging application process. The application requires that candidates complete eight short essays and a policy proposal relating to a problem in which they are interested.

Campus applications for this year are due Thursday, Nov. 15, and the Undergraduate Academic Awards Office will be holding two information sessions, one today (Oct. 17) and one on Monday, Nov. 5, for freshmen and sophomores. In November, Slabach as well as Bruner and Schmidt will be present to answer questions, Stubbs says.

For more, visit <http://www.truman.gov> or <http://www.provost.wisc.edu/uaa/awards/truman.html>. □