

PROFILE

Pop culture is economist's teaching tool. **Page 2**



DISCOVERY

Vitamin D level is future predictor of Parkinson's disease. **Page 6**



- PEOPLE:** Making it to pre-college **3**
- CAMPUS:** Oxford gets sun power **5**
- CAMPUS:** Switching phone ownership **5**
- DISCOVERY:** Dogs for disease control **6**
- EVENTS:** Dance season preview **8**

New campus hot spot opens



The new building houses the campus bookstore, coffee shop and admissions office.

BRYAN MELTZ

By DAVID PAYNE

When the campus bookstore opens July 21, the new Oxford Road building will be complete. The facility offers something for almost everyone at Emory – and for prospective students who want to attend Emory.

The new structure is located behind the Mathematics

and Science Building and the Boisfeuillet Jones Building. It houses undergraduate admissions offices, a Barnes & Noble bookstore and a Starbucks coffee shop.

Bridging the space between the new building and the B. Jones building is a visitor parking deck covered by a scenic “green roof” and courtyard.

Earlier this year, the landscaped plaza was named the Anne Register Jones Courtyard in honor of the wife of Boisfeuillet Jones and the mother of Emory trustee, Laura Hardman '67C.

“This facility will be an active area that encourages contact between current students, prospective students, faculty and staff,” says Mike

Mandl, executive vice president for finance and administration. “The building provides a collegiate, welcoming first impression for prospective students and their families.”

Just a few steps off the courtyard, visitors and the Emory

Please see BUILDING page 4



The new building is located on Oxford Road, just steps away from Emory Village.



A ‘living room’ off the upper courtyard will serve as a gathering space.

Transcribe letters from the Vatican

By MARGIE FISHMAN

Tucked in the chilly archives room at Pitts Theology Library, Florence Nightingale exchanges pleasantries with Henry Edward Manning in a letter dated July 8, 1836.

Unfortunately, the celebrated nurse's swirling penmanship on an index-size card leaves much to be desired. Is she referring to animals or arsenals when she invites Manning, who later became an influential cardinal, to tour her hospital?

In an effort to digitize its expansive collection of manuscripts, broadsides and personal notes from two leading Roman Catholics of the Victorian era — Manning and John Henry Cardinal Newman — the library is recruiting volunteer

Please see VOLUNTEER page 4

How Emory beats heat from sprawl

By LESLIE KING

How about this heat! Is there something more going on besides just being summer in the Deep South?

Yes, says Jeremy Hess, assistant professor in the departments of emergency medicine and environmental and occupational health, noting that the way we design our cities is driving increased exposure to extreme heat.

Hess, who is also a consultant for the global climate change program at the Centers for Disease Control, co-authored a study with Howard Frumkin of Emory and the CDC and Brian Stone of Georgia Tech on “Urban Form and Extreme Heat Events: Are Sprawling Cities More Vulnerable to Climate Change than Compact Cities?” It's a look at metropolitan regions, the physical layout and design of cities and the frequency of extreme heat events over five decades.

Please see HEAT page 5

NEW ONLINE AT EMORY.EDU

www.emorycfde.com

Now available on iTunes U are podcasts sponsored by Emory's Center for Faculty Development and Excellence and the Academic Exchange. These podcasts cover a range of topics of interest to faculty life, based on workshops and other programming offered by the CFDE, including:

- "Copyright Trends and their implications for the Classroom"
- "The Challenges of Staying Creative"
- "Wikipedia and its (Dis) contents"
- "Accuracy or Fluency? Responding to ESL Student Writing"
- "Identity and the Internet"

Visit the CFDE podcast directory on iTunes U to listen to individual programs.

www.whsc.emory.edu/soundscience

A tiny invader, perhaps a virus or a microbe, enters your body, and your immune system responds.

To discover your immune system's next move, listen to the latest Sound Science program from the Woodruff Health Sciences Center. In audio and video, immunologist Bali Pulendran describes the intricacies of your immune system and its remarkable ability to distinguish among unique invading pathogens.

Tune in to Sound Science to explore other recent programs, such as epidemiologist Viola Vaccarino on how psychological stress plays a role in heart attacks and their clinical outcome — especially in women.

EMORY PROFILE: Tom Smith

Pop culture economist

Finance professor applies creativity in teaching business trends



Tom Smith is associate professor of finance at Goizueta Business School.

BRYAN MELTZ

EMORY report

EXECUTIVE EDITOR
Nancy Seideman
nancy.seideman@emory.edu

EDITOR
Kim Urquhart
kim.urquhart@emory.edu

DESIGNER
Christi Gray
christi.gray@emory.edu

PHOTO DIRECTOR
Bryan Meltz
bryan.meltz@emory.edu

SCIENCE WRITER
Carol Clark
carol.clark@emory.edu

EDITORIAL ASSISTANT
Leslie King
lking@emory.edu

ADVERTISE

Emory Report accepts display advertising. For more information, contact a sales representative at 404-727-6178 or ebnsnyde@emory.edu.

EMORY REPORT (USPS705-780) is printed by the Office of Communications and Marketing biweekly September through August and distributed free to faculty and staff of Emory University. Periodicals postage is paid at Atlanta, Georgia. Postmaster: Send off-campus address changes to Emory Report, 1762 Clifton Rd., Plaza 1000, Atlanta, Georgia, 30322. Send e-mail to emory.report@emory.edu.

By J. MICHAEL MOORE

Tom Smith's life is a mix of art and numbers, culture and analytics.

An associate professor of finance at Goizueta Business School, Smith first taught economics during his senior year at Illinois Wesleyan. He went on to earn post-graduate degrees at University of Illinois-Chicago.

His teaching method includes practical examples and illustrations in sports and entertainment. Smith's dissertation focus was labor economics and the arts — areas he still follows as Goizueta's "pop culture economist." His recent research includes commentary on everything from reality shows to religion to salary caps in sports.

"I teach a lot of people in the MBA program with economics backgrounds," he says. "I get tons of students who just had a terrible experience with economics. It's not surprising for me to end up on a plane and, when the person next to me asks what I do, hear 'Oh, economics... I hate economics.'"

Smith describes economics as an "incredibly important" subject he hopes to deliver in a way that makes sense to all audiences.

At a recent open house for prospective Evening MBA students, Smith explained advanced concepts of decision making and opportunity costs — the

kind companies use when purchasing other brands — by showing challenges underclassmen face when leaving college for the NBA Draft. (A player can't return to school the following season if he's made the decision to go pro and sign with an agent.)

"Fascinated" by labor economics, Smith continues his research by attending human resources conferences and keeping an eye on an ever-changing work environment.

He also looks to loop in arts and entertainment. Away from work, he finds time to play bass, which he continues to do professionally when the opportunity arises.

It keeps him connected with his roots and inspires his teaching.

The son of an English professor and high school Spanish teacher, Smith went to college on a music scholarship. He majored in mathematics and earned extra money slapping bass with an 11-piece orchestra (jazz and a little bit of swing).

"Every weekend we'd get in this yellow van and drive all over Illinois, Indiana and Iowa. It was ridiculous," Smith says. "That's how I made money during school. We'd go to a Moose Lodge, or an Elks Lodge, or a Knights of Columbus hall or a dance hall in the middle of nowhere and play four sets from eight to midnight. We'd unload

wearing a tuxedo then load up and drive back to the dorm."

Back on campus, Smith hit the books but found scheduling conflicts threatened his dual love of music and math.

This led to a life-changing moment. "It turned out Techniques of Proof and ensemble practice were always conflicting," says Smith. On a whim, he took an economics class.

"I had an instructor that was vague, and I thought economics should be something that's pretty clear. I looked at that as an opportunity to try my hand at something that made no sense," he says, so "I jumped ship and I moved from math over to economics."

Smith always wanted to teach in higher education. But it took a challenge — in scheduling and learning — to spark a passion to make tough subjects easier for future generations.

Economics, like a steady bass line from the band, provides some order to chaos. It's a foundation.

Smith said he approaches his subject the same way.

"Economics explains behavior and how people and firms respond to incentives. It's a foundation to examining how we act," he says. "Everybody loves a good bass line. I try to do that for economics... one class at a time."

People

Working their way to pre-college



Byhalia High School teacher Stacy Filocco (center) helped her students Ashley Harvell and Takeva Hicks raise funds to attend Emory's Pre-College Program.

SPECIAL

By ELIZABETH ELKINS

Two participants in this year's Pre-College Program found a unique way to attend Emory's two-week summer academic program for high school students: They spent the last six months fundraising in their hometown of Byhalia, Miss. Ashley Harvell and Takeva Hicks, both rising juniors at Byhalia High School, were encouraged to do so by their Spanish teacher, Stacy Filocco.

Filocco is the founder of Fund a Brighter Future, an organization designed to help low-income African American students from rural Mississippi attend college summer programs. Filocco hand-picked Hicks and Harvell because of their academic potential.

"Each distinguished themselves in my classes this year,"

Filocco explains. "We don't always have the time to celebrate students who are not just doing the right thing every day but who are excelling."

Filocco encouraged the pair to raise money on their own — and they did. Fundraising included a dance, a wine and dessert reception, concession stands, a website and a supportive high school principal who allowed students to dress casually, rather than in uniform, for one day if they made a donation. After looking at several colleges, Hicks and Harvell felt Emory was the right choice.

"Although Emory was one of the closer schools to us geographically, I knew that it would provide great diversity in terms of the student body enrolled in the program," Filocco says.

In the end, the pair raised almost enough to cover their

tuition. Emory was able to support the girls' fundraising by offering partial scholarships.

"The commitment and initiative that Ashley and Takeva have shown in their efforts to get here is inspiring," says Philip Wainwright, associate dean of international and summer programs. "It is a goal of the Pre-College Program to broaden access as much as possible. I am very pleased that we were able to supplement the funds raised by the students themselves, and we are glad they were here and made their own contribution to the life of the program."

"When the Pre-College Program can be part of opening up opportunities for students who otherwise might not have had them, we know that the program is doing something very worthwhile."

On orientation day, Harvell and Hicks missed the Pre-College airport shuttle, arriving on campus via MARTA with Filocco in tow. The first person they met at Emory was President Jim Wagner.

"He pulled up beside us and asked if we were lost. He gave us directions to Trimble Hall," Hicks explains. "We had no idea at the time that he was the president!"

After two weeks studying "Psychology and Creativity" with Candler Professor of Psychology Marshall Duke, both Harvell and Hicks commented on how much they enjoyed the experience.

"I was impressed by how diverse the program is," Harvell says. "I met people from all across the country, and that really changed my perspective. I learned a lot of people skills."

NEWSMAKERS

The news doesn't stop for summer break and neither have many Emory faculty who have been sought out for their expertise and opinions by media around the world. Here's a sample of what our faculty are saying in the national conversations of the season:

- The mid-term elections, South Carolina's ongoing political dramas and the Obama administration have kept Emory's political science experts, including **Alan Abramowitz**, **Merle Black**, **Andra Gillespie** and **Michael Leo Owens**, in the news this summer. Outlets include The New York Times, The Economist, CNN, Associated Press, National Journal, Atlanta Journal-Constitution, MSNBC, Politico.com and more.

- "Why is the Gulf oil spill cleanup so slow?" Economics professor **Paul Rubin** outlined answers to that question in a widely circulated opinion piece for the Wall Street Journal. It was the most e-mailed and read item on the WSJ website for several days and was picked up by numerous blogs.

- Nell Hodgson Woodruff School of Nursing Dean **Linda McCauley** spoke to many outlets, including Fox News and Reuters, about the long-term health effects of the Gulf oil spill.

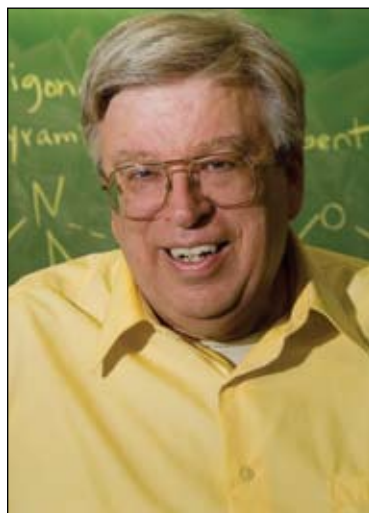
- Emory Law professor **Dorothy Brown** wrote a featured CNN.com opinion piece on why BP is right not to pay dividends to shareholders.

- Goizueta finance professor **Jeff Rosensweig** took a seat in CNN's live "Newsroom" show in June to talk about growth and pain in the job market.

- Cold War hot again: In the wake of the discovery of a cell of Russian spies in the United States, political scientist and KGB expert **Harvey Klehr** did several interviews, including the Wall Street Journal, Radio Free Europe, Toronto Star and Wisconsin Public Radio.

- Keeping the stars aligned: Slate magazine and Popular Science featured a fun (and widely popular) web widget developed by Emory mathematician **Skip Garibaldi**. He analyzed past U.S. flags to figure out the most common flag patterns, and worked out which ones are best for varying numbers of stars.

—Beverly Clark



MYEMORY SPOTLIGHT

Name: Lloyd Parker '74G

Position: Associate professor of chemistry, Oxford College

At Emory: 24 years

Where he gives: Oxford College

Why he gives: "Getting tenure was my proudest moment at Oxford because it meant I was going to spend the rest of my career here. I feel as if I should give something back for all that Oxford and Emory have given to me."

For more information on MyEmory or to make a gift, visit www.emory.edu/myemory.

Chariots of Fire Transportation Services, Inc.

"Atlanta's Highly Favored Limousine Service"

WHY CHOOSE CHARIOTS OF FIRE?

One of Emory's preferred ground transportation providers
Utilize Emory Express for faster service

Customized ground transportation arrangements
to fit your needs

Professional and knowledgeable staff

Flexible to custom requests

24-hour Live Reservation and Dispatch Center

Airline Tracking Program

Professionally attired, experienced and reliable chauffeurs

Clean, licensed and insured non-smoking vehicles

Convenient online reservation scheduling also available
on our website

770.528.6222
404.392.0237
limo4u@coflimo.com
www.coflimo.com



TAKE NOTE

Emory acquires Johns Creek hospital

Emory Healthcare is purchasing the ownership interest of Hospital Corporation of America in Emory Johns Creek Hospital to become the sole owner of that facility.

HCA will assume full ownership of Eastside Medical Center in Gwinnett County, the two organizations announced.

Emory Johns Creek Hospital will continue to serve its community and support the community physicians who have been vital to its growth and development, president and CEO John Quinlivan says.

Emory Healthcare formed a partnership with HCA to "develop a new hospital in the growing Johns Creek community," says John T. Fox, Emory Healthcare president and CEO.

The transition of ownership for these two Atlanta hospitals is expected to be completed in the next several months.

'One-stop shop' for research resources

Emory researchers have a new tool for finding resources, including services, equipment, even training opportunities, for their work.

The electronic biomedical interactive resource tool or eBIRT is a web-based application that serves as a "one-stop virtual shop" for research resources, such as laboratory services, equipment, software, consultation services, training opportunities and more.

eBIRT also offers a platform to advertise research-related services and products for resource providers, such as service centers and cores.

It is part of the Atlanta Clinical & Translational Science Institute, which encompasses Emory, Georgia Tech and Morehouse Medical School.

More information is available at <http://ebirt.emory.edu>.

Update demographic data for accuracy

A project on how Emory collects demographic data has pointed out a need to faculty and staff to periodically update their information to help ensure the accuracy reported internally and to federal regulatory agencies such as the federal departments of Labor and Education.

Equal Opportunity Programs and Human Resources are asking faculty and staff to update their information on ethnicity, race, gender and military status through PeopleSoft Self Service.

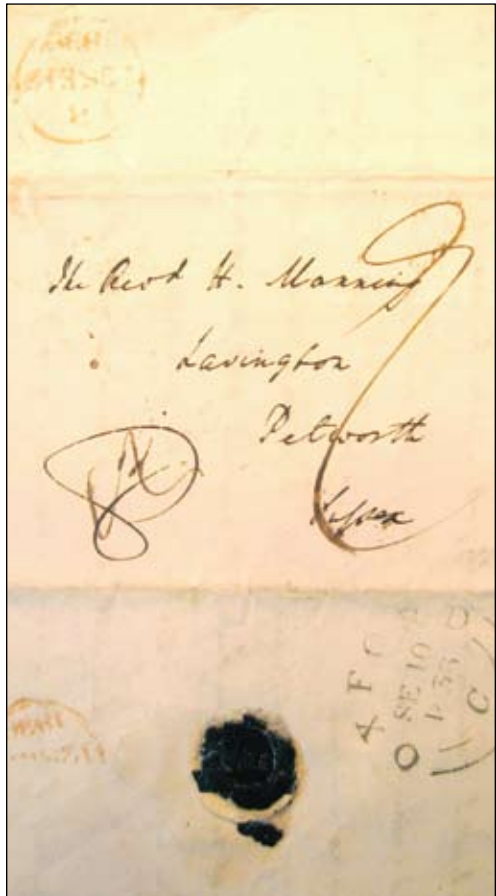
Go to PeopleSoft and access self-service, then personal information and update information in the categories there.

EOP spokesperson Michelle Meyers emphasizes that submitting this information is purely voluntary and that all information is confidential.

The project was the result of a working group from Community and Diversity, Equal Opportunity Programs, Human Resources, Institutional Research and Emory Healthcare.

VOLUNTEER: Pitts seeks 'army of editors'

Continued from the cover



A letter from John Henry Newman to Henry Edward Manning, postmarked Sept. 10, 1856, with original seal.

transcriptionists to decipher documents and make them accessible to a wider audience. The move comes as Newman is scheduled to be beatified by the Catholic Church in September, the third of four steps in the canonization process. The Pitts library is planning an exhibit to honor the event.

Meanwhile, the substantial digital effort, consisting of hundreds of documents processed over many months, will reach beyond academia to members of the public fascinated with the "who's who" of the Victorian period. Both cardinals hobnobbed with the intellectual elite, including Coventry Patmore, a notable English poet, British theologian Henry Parry Liddon and four-time British Prime Minister William Gladstone.

"This is Emory's gift to the world," says Pitts Theology Library Director Patrick Graham, professor of theology. "These volunteers are making a contribution to scholarship."

Graham estimates that many letters the size of a note card will take roughly 30 minutes to transcribe, while a four-page sermon could take two hours. All materials to be transcribed are in English, and at least two volunteers are assigned to each document to reconcile discrepancies. Later, volunteers may be involved in writing up background information to accompany the text of the scanned images on the library website, www.pitts.emory.edu.

"Since there is not enough grant money to do all this work," explains Graham, "we hope to enlist an 'army of editors' to help mediate manuscripts and other treasures from Pitts special collections to the international community."

Only a handful of Manning and Newman documents in Emory's collection are now available online and searchable by Google's web crawler, thanks to a devoted group of volunteers. Manning's materials alone represent 12 cubic feet of space at Pitts, after Emory acquired one-third of his personal papers from a British antiquarian book dealer.

Manning's papers reflect on his time as a minister in the Church of England, his conversion to Catholicism in 1851, his social activism and his leading role in the adoption of the doctrine of papal infallibility, a belief that God protects the Pope from error when he speaks about faith or morality. The library also holds an impressive stash of "calling cards," the Facebook for Victorian high society.

Judged in isolation, some of the materials may appear insignificant. But, taken together, they form a contextual framework for academics seeking linkages in their research, says Robert Presutti, Pitts curator of archives and manuscripts.

"Anyone can view these documents," Presutti says. "We're creating connections outside of Emory's gates."

For more information on how to volunteer, e-mail Pitts Theology Director Patrick Graham at libmpg@emory.edu.

BUILDING: 'A welcoming first impression'

Continued from the cover

community can relax in the comfort of a new campus 'living room,' an expansive space with a fireplace, overstuffed seating and views of the Baker Woodlands.

"These spaces are designed to facilitate additional opportunities for interaction for faculty and students in a more casual setting and to foster the ad hoc intellectual energy so wonderfully inherent on university campuses," says Mandl.

According to Bruce Covey, who manages bookstore operations, the new Barnes & Noble bookstore will offer an increase in titles, Emory merchandise and product offerings for customers. The new bookstore consolidates three previous facilities — the main bookstore located in the DUC, the medical bookstore and the Druid Hills bookstore — into one.

Expect to see a large increase in pedestrian and bicycle activity on this part of campus, according to Jen Fabrick, campus architect.

"The building was designed to provide important functional services for the University, but also to provide an active interface between Emory's campus and the surrounding community," says Fabrick. "We think the coffee shop and campus bookstore will generate a hub of activity on the west side of campus, near the shops in Emory Village."

Visitor parking is available in the Oxford Road Building parking deck at Emory's standard rate (\$2/hour; maximum \$10/day). Parking fees apply between 7 a.m. and 7 p.m., Monday through Friday.

The Oxford Road building was constructed in anticipation of achieving LEED Silver designation from the U.S. Green Building Council, and is consistent with Emory's LEED building policies and its Sustainability Initiatives.

Video: Manager on grand plans

Visit Emory Report online for a video interview with bookstore manager Bruce Covey.

Emory University's Preferred Supplier for Departmental Storage



spacemaxstorage.com

- Humidity & temp controlled
- 24-hour surveillance
- Over 90 security cameras

30% off Retail Rates for Emory University



404.888.9688 1248 Zonolite Road, Atlanta, GA 30306

Back to School

Get a head start on the upcoming school year with the Emory WorkLife Resource Center.

LEARN MORE AT worklife.emory.edu

EMORY WorkLife Resource Center

Campus

5

REPORT FROM: University Technology Services

Phone ownership change will shift control

In December 2009, University Technology Services (UTS) announced an important telephony change that has cost-saving potential for departments and divisions across Emory.

This change adjusts the billing practice for departmental desk phones. In the past, departments paid a monthly lease for each phone. Effective Sept. 1, UTS will give all existing phones to the departments and will no longer charge the monthly phone lease. This transfer, known as "phone ownership," will allow departments to take direct control over how frequently phones are upgraded or replaced, based on the needs of each particular unit.

On average, if a department can extend the lifespan of its phones for more than four years, it will see

savings. Currently, leases run between \$0.85 and \$7.65 per month depending on the type of phone. The potential savings are significant, especially when multiplied monthly over Emory's 28,000 phones. However, this does not eliminate the monthly port/line charge for each phone.

With phone ownership, University and Emory Healthcare departments will purchase additional phones via the UTS Shopping Cart. Phones will be delivered to UTS where they will be tested to ensure that they are in working order. For IP-Phones, there will be additional checks for the correct software and an emergency 911 label.

Departments will then pick up the phones and simply plug them in, as long as the jack is wired for the purchased

phone-model. Alternately, departments will pay the normal UTS telephone installation rates to have UTS install them.

Existing phones at the time of ownership transfer may be out-of-warranty. All newly purchased phones have a minimum one-year warranty from the day they arrive at UTS. This warranty does not include the phone cord or handset. A broken phone that is out-of-warranty requires the department buy a new replacement. If UTS dispatches a technician for a phone incident that turns out to be the handset or cord, there will be a service charge.

UTS will maintain a small inventory of phones for repair purposes. If a department wishes to avoid purchasing

and shipping delays, UTS will replace an un-repairable phone and charge the department the cost of a new phone. However, the warranty will be limited to the time remaining from the date the phone was received into the UTS inventory.

Departments should remember unplugging a phone does not stop the monthly recurring port/line charge, which can only be removed through a service order with UTS.

For a full comparison of the new phone alternatives, visit the UTS Web site. Questions may be directed to the UTS Service Desk at 404-727-7777.

—From Staff Reports

SNAPSHOT

At home in Dharamsala with the Dalai Lama

Vice President and Secretary of the University Rosemary Magee and Geshe Lhakdor, director of the Library of Tibetan Works and Archives, recently signed an agreement in recognition of the ongoing productive collaboration of the Emory-Tibet Partnership, including the newly named Robert A. Paul Emory-Tibet Science Initiative. The signing ceremony, which took place June 11 in Dharamsala, India, was witnessed by His Holiness the XIV Dalai Lama, who recently announced his second gift of \$50,000 to the ETSI in support of a comprehensive and sustainable science education program for Tibetan monks and nuns. The Dalai Lama, who joined Emory's faculty as Presidential Distinguished Professor in 2007, will return for a visit to Emory this October.



CAROL BECK

Oxford's new solar panels power campus and beyond

By CATHY WOOTEN

Overwhelming environmental events such as the ongoing Gulf oil spill can make us feel there's not much we can do to make a difference, but a project recently completed at Oxford College is a reminder that little things can add up.

Following several months of planning, solar panels have been installed on the south side of Oxford's Haygood Residence Hall. The "why not" idea came first to Theodosia Wade, senior lecturer in biology and a faculty leader for campus sustainability, and it was quickly endorsed by Dean Stephen Bowen and Emory's Office of Sustainability Initiatives.

The project was right in line with Emory's goal to reduce energy use 25 percent per square foot by 2015 from 2005 levels. The Office of Sustainability gave the project substantial funding, and additional funds came from Oxford College and the city of Oxford.

During the planning process, Wade decided that it was important to be able to monitor and measure the amount of electricity that would be produced, and Bowen challenged Wade and the group helping her to find a practical use for the setup.

Wade's team met both those requirements. With the help of Oxford's IT department, they selected an online program that continuously monitors the solar units' activity. The Haygood location is close to Oxford's demonstration organic garden, and that provided

the practical application. The solar-produced electricity powers a water pump that is used to irrigate the garden with rainwater collected from the Haygood roof. When the pump is not in use, the electricity is sent to the grid.

Except for some nearby information signs, most campus visitors would be hard-pressed to find the solar units. They are so unobtrusive they are often mistaken for an awning for the residence hall.

Unobtrusive does not mean ineffective, however; from their January 2010 installation until June 24, the panels had produced 908 kilowatt hours (as reported by the monitoring software), enough electricity to power one television for 6,311 hours or seven computers for one year or 32 homes for one day.

Compared to electricity generated from fossil fuels, this has avoided production of 2,011 pounds of carbon dioxide, 8.7 pounds of sulphur dioxide and 3 pounds of nitrogen oxides.

Although the front-end effort for the solar project was complex, the in-place reality is simple. With little to no maintenance, Oxford's solar panels keep at their job every day, providing energy for Oxford and beyond, and making a small but meaningful dent in current environmental challenges.

Track the sun's power

To see a report from the monitoring software for the solar-panel project, visit www.oxford.emory.edu/solar.

HEAT: Emory experts on shade, sunscreen and water

Continued from the cover

As the sprawl index the study uses shows, "Atlanta is one of the five most sprawling cities in the U.S.," Hess says. On a regional scale, "Emory's location inside the perimeter actually increases its proximity to the urban core, and thus its exposure to the urban heat island and associated high temperatures," he notes. "On the micro-scale, i.e. more of a neighborhood level, the green space around the Emory campus certainly mitigates this effect to some degree."

"Our research also suggests that sprawl is driving a greater increase in extreme heat events in the Atlanta area than in cities with more dense development. Over time, as the climate continues to warm, this could mean that Atlanta's sprawl will further amplify extreme heat exposure," Hess says.

Emory's tree canopy policy — which says all trees removed must be accounted for and replaced with equal tree canopy — "mitigates against extreme heat exposure by providing shade and increasing cooling by transpiration. Trees also have a higher albedo than pavement and forested areas warm less rapidly than heavily paved ones," Hess notes. Albedo is the ability to reflect sunlight from surfaces before it turns into heat.

Climate change will also spawn more extreme weather events, including extreme precipitation. Hess notes that "Emory's commitment to green space helps reduce the harmful exposures from

climate change in its immediate area."

As a medical professional — Hess is also a doctor — he sees "fluctuations in certain patient complaints related to weather." For example, more people seek medical help on smog days, for difficulty breathing, particularly related to COPD, or chronic obstructive pulmonary disease.

"Heat is associated with several different conditions," he says, including "dehydration, renal failure, increased kidney stones."

To fight dehydration, "Drink water early and often, at least one 8-ounce glass of water each hour on hot days," advises Sylvia Morris, assistant professor of medicine. "Remember the majority of our bodies are water, so dehydration has effects on the entire body."

For other defenses against the heat, the Faculty Staff Assistance Program recommends lowering the intensity of an exercise workout until you get acclimated to the heat, and exercising in early morning or evening. Also, pay attention to smog alerts and avoid afternoon exercise on orange or red alert days.

Protect yourself from the sun, advises Emory dermatologist Jamie Mackelfresh.

"There's no such thing as a safe tan. Period," says Mackelfresh. "A tan means skin damage."

Re-apply sunscreen every two hours with about as much as a shot glass will hold. Otherwise, "If you don't reapply, it's as if you didn't put it on in the first place," the dermatologist warns.

Metro students can use Carlos as classroom

Educators throughout the city are using the collections and exhibitions of Emory’s Carlos Museum to enliven their curriculum and engage their students.

Through works of art, a student can directly experience the civilizations of the ancient world, says Elizabeth Hornor, the Carlos Museum’s Marguerite Colville Ingram Director of Education. The museum can serve as an extension of the classroom, she says.

“At a time when field trip budgets are being cut and seen as extracurricular, we are trying to press upon educators that the study of objects made by ancient hands is not extracurricular,” Hornor says.

These objects offer ways into the study of belief systems, societal structures and trading patterns of the civilizations that created them, a look at the geography and natural resources of a region, and the ways in which each civilization responded to their environment.

Julie Green, the museum’s senior manager of school programs, has worked with teachers and curriculum coordi-

nators, museum curators, Emory faculty, and members of the museum’s docent guild to develop tour programs that meet Georgia Performance Standards.

The Carlos Museum can serve as a curriculum-based learning laboratory for areas of study including the ancient Americas in sixth grade, world religions and the history of Africa in seventh grade, the ancient Mediterranean in world history, and “The Odyssey” and “The Aeneid” in high school literature and Latin classes. School reading specialists can even tour the collections with the characters from Rick Riordan’s popular Percy Jackson novels, Hornor says.

Green spends a good part of every August meeting with K-12 teachers and curriculum coordinators. The goal is to let them know about the exhibitions, PLU (Professional Learning Unit) courses, workshops for teachers and tour programs for the upcoming academic year, introducing them to the pedagogy of object-centered learning.

—From Staff Reports



Julie Green of the Carlos Museum shows Clairemont Elementary students around the Greek and Roman Art Gallery. SPECIAL

Dogs may help collar disease

By CAROL CLARK

Some diseases, like stray dogs, are largely neglected by society.

Chagas disease, for example, is caused by a parasite that roams with only limited control among the rural poor in Latin America. The main vector for the parasite *Trypanosoma cruzi* is the triatomine insect, or “kissing bug,” which thrives in the nooks and crannies of mud-brick dwellings. The bug sucks the blood of mammals, helping *T. cruzi* move between wildlife, cats, dogs and humans.

“Dogs tend to lie on porches or other areas easily accessible to the bugs,” says disease ecologist Uriel Kitron, chair of environmental studies at Emory. “And when a dog is malnourished and its immune system isn’t great, they are even more at risk.”

Kitron has been researching Chagas disease in remote communities of northern Argentina for the past 10 years. “One of our most significant findings is the importance of dogs in both the spread of the disease, and the potential to help control it,” he says, explaining that dogs can make good sentinels for health officials monitoring *T. cruzi* transmission.

Chagas disease begins as an acute infection that can subside on its own. In one out of three cases, however, the infection persists and can go unnoticed for decades, until it causes complications such as heart failure, digestive problems and sudden cardiac death. The condition affects 10 to 12 million people in Latin America, killing more than 15,000 a year.

Human migration has



A mongrel dog naps in rural Argentina. SPECIAL

moved Chagas disease around the globe: U.S. blood banks must now screen donors for *T. cruzi*. And bugs travel hidden in people’s luggage to new places such as Patagonia in southern Argentina.

Kitron is collaborating with Ricardo Gürtler of the University of Buenos Aires on a research project funded through a joint NIH-NSF program on the ecology of infectious diseases. Their work in Argentina’s Chaco province is included in a June 24 special supplement of *Nature*, devoted to the topic of Chagas disease.

“We are interested in answering scientific questions, but we also want to help reduce the risk and the impact of the disease on the rural population,” Kitron says.

Few government resources make it to the rural poor, and the main control for Chagas disease is spraying insecticide. “It’s a limited strategy,” Kitron says. “If you want to control Chagas disease, you have to look at the whole picture.”

The researchers have shown,

for example, that people with fewer than two dogs in a household are unlikely to become infected. It turns out that dogs are 14 times more effective at spreading Chagas disease than humans.

“Many of the dogs are not in good shape, they’re exposed to a whole bunch of parasites and worms and they just get scraps to eat,” Kitron says. “But the idea of just eliminating the dogs is not an option. People really care about their dogs.”

An alternative may be to identify dogs that are most at risk of remaining infectious for a long period of time. These “super spreaders” could be targeted with insecticide collars. Research is also ongoing for a vaccine against *T. cruzi* in mongrel dogs.

Blog spotlight

For more news of the natural and social sciences, visit: www.emory.edu/esciencecommons.

Vitamin D linked to Parkinson’s disease

By QUINN EASTMAN

A new study on vitamin D levels and Parkinson’s disease risk points to the need for further research on whether vitamin D supplements can protect against the movement disorder, according to an editorial in the July 2010 issue of *Archives of Neurology*.

Emory neurologist Marian Evatt, author of the editorial, says the study conducted by Finland’s National Institute for Health and Welfare is the first to show that low vitamin D levels can help predict whether someone will later develop Parkinson’s disease. Over a span of 30 years, people with the lowest levels of vitamin D were three times more likely to develop Parkinson’s, compared to the group with the highest levels.

Previous research had suggested a link between low vitamin D and Parkinson’s, but whether this is a cause-and-effect relationship is unknown.



Vitamin D may help protect the population of dopamine-producing neurons that are gradually lost by people with Parkinson’s disease, Evatt writes in her editorial.

Doctors have known for decades that vitamin D — “the sunshine vitamin” — promotes bone health, but evidence is accumulating for additional roles regulating the immune system and the development of the nervous system.

“Researchers don’t yet know what level is optimal for brain health or at what point vitamin D becomes toxic for humans, and this is a topic that deserves close examination,” Evatt says.

BOOK | REPORT | PODCAST

Spies among us

The latest Russian spy scandal might have taken many Americans by surprise, but not Harvey Klehr, author of “Spies: The Rise and Fall of the KGB in America” (Yale University Press, 2009).

An Emory political scientist and historian, Klehr is featured on the latest Emory Report Book | Report podcast, a series of engaging audio interviews with faculty authors.

Tune in to hear Klehr talk with Emory Report about what KGB files from the 1940s and 50s reveal about Russian spying in the U.S. Visit: www.emory.edu/EMORY_REPORT.

FIRST PERSON: Carlton Mackey

A winning hope for South Africa

Carlton Mackey is assistant director of the Ethics and Servant Leadership Program at the Center for Ethics.



Carlton Mackey



CARLTON MACKEY

The World Cup inspired Carlton Mackey to revisit his photos from a 2004 Emory trip to South Africa.

South Africa captured the entire world's attention as host of the World Cup. It's led me to reminisce about my experience in this astonishing country.

In 2004, I traveled with a small group of Emory scholars, religious thinkers, students, and peacemakers to South Africa. We were a part of that year's Journeys of Reconciliation, an inter-religious program that gives members of the Emory community the opportunity to cultivate relationships of partnership, service and friendship with communities around the world. By visiting these communities and supporting their work of reconciliation, they open themselves to possibilities of hope and healing.

On this Journey we met with members of Parliament; visited the Apartheid Museum; met with students at the University of Cape Town, Wits University and University of Western Cape; went on a safari in Kruger National Park; visited an AIDS orphanage; took a lift to the top of Table Mountain; visited Nelson Mandela's prison cell on Robben Island; visited Blaauwklippen winery; visited Soweto; flew to Johannesburg; spoke at a church

(which changed my life), and so much more.

The breadth of this Journey as described above (and all that was left out) corresponds with the nature of this country. I learned quickly that South Africa is not a singularly-descriptive entity. It is a country layered in history and beauty, struggle and triumph, culture and diversity, poverty and immense wealth. It is so many things to so many people, yet there is one thing that seems to be the tie that binds. This tie is the spirit of the people.

There is something so

difficult to describe in words but so empirically evident that you will experience when talking to anyone from that country. It is an infectious energy of pride balanced with an unrelenting measure of hope. It is evident in the voices and in the eyes of everyone you meet — in the streets, in the bars, in the schools, in the churches, in the square.

It is amazing to think that the equivalent of the Civil

Rights Movement in the United States (which took place loosely from 1955-1965) had taken place only 10 years prior to my visit and less than 20 years prior to today.

Of course, it would be foolish to assume that Mandela's election, 20 years without apartheid, or even winning the bid to host the World Cup, could erase the reality of continued inequality, oppression and injustice in South Africa. It would be just as foolish

to assume that the election of Barack Obama; almost 50 years without Jim Crow laws; an Olympics; and a World Cup, could do — and have done — the same in America.

But it is the hope for a better tomorrow matched with the will, determination, and spirit of the people in both of these lands that make the future as worthy of anticipating and celebrating as a goal scored in this beloved World Cup.

CLAIRMONT RESERVE
Across from the Cliff Shuttle!

LUXURY APARTMENT COMMUNITY
LOCATED DIRECTLY ACROSS FROM THE
CLAIRMONT EMORY CAMPUS AND THE VA HOSPITAL.

APARTMENT FEATURES INCLUDE:
(NOT ALL FEATURES ARE IN EVERY HOME)
• CUSTOM CHERRY CABINETS
• BLACK APPLIANCES INCLUDING BUILT IN MICROWAVE
• FULL SIZE WASHER AND DRYER
• LIGHTED CEILING FAN
• 2" CUSTOM WOOD BLINDS
• FIREPLACE
• VAULTED CEILINGS

COMMUNITY FEATURES INCLUDE:
• STATE OF THE ART FITNESS CENTER
• POOL WITH SUNDECK
• COURTYARD WITH PICNIC TABLES AND GRILLS
• FREE RESIDENT DVD LIBRARY & CLUBROOM OFFERS
• FREE WI-FI AND PLASMA TV WITH COFFEE BAR

Mention this ad and get \$50 off application fees!

WWW.CLAIRMONTRESERVE.COM (404) 315-8101
1575 CLAIRMONT ROAD, DECATUR, GA 30033

THINK PINK

When you want to put the most trusted name in home cleaning to work for you.

MOLLY MAID
www.mollymaid.com

Call now for a free, no-obligation in-home estimate.

Save \$45
\$15 off your first, third and fifth regularly scheduled cleaning.
404-228-9604

Molly Maid is a member of the Service Brands International family.

Mr. Handyman 1800 Dry Clean Molly Maid

©2008 Molly Maid, Inc. Each franchise independently owned and operated.

ADVANCE NOTICE

Do you have your Dalai Lama tickets?

Order tickets now for events for the visit of His Holiness the XIV Dalai Lama in October. See <http://dalailama.emory.edu> for information and tickets.

The "Summit on Happiness" event is already sold out. But tickets remain for "The Creative Journey," "Compassion Meditation" and the "International Conference on Buddhism."

Tickets to a special Emory faculty, staff and student event ("The Professor's Office Hours") will be available the week of Sept. 6. The website will also have more details about the free ticket lottery and low-cost reserved seats at this event.

Also now available are details for tickets to "Teaching to the Buddhist Community." See <http://drepungloosing.org> for information on upcoming ticket sales.

Check your health at wellness fairs

Three summer wellness fairs are offered by the Faculty Staff Assistance Program.

Get screenings for cholesterol, blood pressure, height, weight, BMI, blood glucose and more at the events, open to all faculty and staff of the University and Emory Healthcare. An Emory I.D. must be presented.

The fairs are scheduled for: July 21, 1010 Center for Rehabilitation Medicine, 7 a.m.–3 p.m.; July 22, Yerkes Primate Research Center Bourne Seminar Room, 8:30 a.m.–3 p.m.; and Aug. 3, 5C 1599 Building, 8:30 a.m.–1 p.m.

See fsap.emory.edu for more information.

Learn more at LGBT Safe Space session

The next open Safe Space session is scheduled for July 26 from 1 p.m. to 4:30 p.m. in a location to be determined.

Sponsored by Office of LGBT Life, the 3.5 hour training program provides a curriculum that raises awareness of the issues that impact the lesbian, gay, bisexual, trans and questioning communities.

"If you want to learn more about the LGBTQ community in a safe, non-judgmental and interactive environment, Safe Space is the training for you. Safe Space is a great way for Emory community members to learn more about the LGBTQ community," says Danielle Steele, Office of LGBT Life program coordinator.

Register online, as an individual or as a group, at http://www.emory.edu/CAMPUS_LIFE/LGBT/OFFICE/safespaceregistration.php.

THIS WEEK'S HIGHLIGHTS

TUESDAY, July 20

Favorite Flavors of Summer at the Farmers Market. Noon-5 p.m. Cox Hall Bridge. Free. Julie.Shaffer@emory.edu.

THURSDAY, July 22

"Contemporary Management of Atherosclerotic Renal Artery Stenosis." Matthew Corriere, Emory surgery, presenting. 7 a.m. Emory Hospital Auditorium. Free. 404-727-5695.

NCBI Welcoming Diversity Workshop. 2 p.m. Center for Ethics, Room 152. Free. jrose14@emory.edu. RSVP to tinyurl.com/ncbiemoryworkshops.

TUESDAY, July 27

"Continuing the Conversation on Mid and Late-Life Transitions." 4 p.m. MARIAL Center, Room 415E. Free. 404-727-2031. RSVP to roslyn.sledge@emory.edu.

WEDNESDAY, July 28

Blomeyer Fitness Center Member Appreciation Day. 404-727-4600. Free guest passes available.

ONGOING EXHIBITS

"The Art of Losing." Manuscript, Archives, and Rare Book Library, 10th Floor (MARBL). 404-727-6887. Through Dec. 28.

"A World Mapped by Stories: The Salman Rushdie Archive." Schatten Gallery (MARBL). 404-727-6887. Through Sept. 26.

To see all campus events, visit the online Emory Events Calendar at www.emory.edu/home/events.

Forum focus is disaster response

By HOLLY KORSCHUN

Academic institutions have numerous resources—including health care, faculty, and student personnel and expertise—that can be deployed in response to public health disasters, such as the Haiti earthquake. But how can they work most efficiently with government public health agencies and non-governmental organizations?

An upcoming conference at Emory will explore the symbiotic relationship that, with proper planning, could turn these diverse institutions into a powerful public health response team.

This invitation-only conference, "Disaster Response Utilizing Academic Institutional Resources," July 27-28 at the Emory Conference Center, will bring emergency preparedness and response officers from Southeastern universities together with local, state and

government public health representatives. The groups will define opportunities and capabilities, develop joint strategies, explore research and educational needs and educational, and develop best practices.

"Academic institutions have a great deal to contribute in preparing for and responding to major public health disasters, as evidenced by the tremendous response in Haiti," says James Hughes, director of the Emory-led Southeastern Center for Emerging Biologic Threats, which is co-hosting the conference.

"But we need to further explore how universities such as Emory, which also is an academic medical center, come to the forefront in preparedness and response and how we can best create sustainable relationships and response mechanisms with government and non-government groups."

Other conference sponsors are

the Southeast Regional Center of Excellence for Emerging Infections and Biodefense, led by the University of North Carolina at Chapel Hill; Emory's Office of Critical Event Preparedness and Response (CEPAR); and the Preparedness and Emergency Response Research Center (PERRC) at the Rollins School of Public Health.

The day preceding the conference, Emory CEPAR Executive Director Alex Isakov will host a workshop sponsored by PERRC aimed at examining the relationships between health departments and academic institutions, as well as ways to build and sustain successful partnerships over time.

"Academic institutions can contribute significantly to sustainable community preparedness and response systems when they are oriented to the needs of their neighbors and properly interfaced with the public health system," says Isakov.

DANCE SEASON PREVIEW

Explore culture of collaboration

By JESSICA MOORE

The 2010-2011 Emory Dance Program season begins with "B-Girling: A Herstory of Hip Hop Dance and Culture" (Sept. 14), an Emory Friends of Dance Lecture by Teena Marie Custer, breakdancer and hip hop dance theater artist, exploring the journey of women in hip hop dance and culture accompanied by demonstrations by local dancers.

Brenda Dixon Gottschild of Temple University lectures on "Researching Performance: The (Black) Dancing Body as a Measure of Culture" (Feb. 8, 2011). Using visual images and dance, the professor will examine the pervasive Africanist presence in American culture and the sociopolitical implications of its invisibility.

Emory faculty member George Staib and his company Staibdance join the Vega Quartet and pianist William Ransom for their second collaboration, "Staibdance, the Vega String Quartet, and William Ransom: In Concert" (Sept. 23-25, ticketed). Atlanta critic Pierre Ruhe referred to their first effort in 2009 as "magnetic, tense, euphoric." Music by Chopin, Einhorn, Schumann, Rachmaninov and Emory's Kendall Simpson will provide the foundation for the physicality, athleticism and nuance that characterizes Staibdance.

Emory Dance teams up with other Atlanta colleges and choreographers for the **Emory Dance Company Fall Concert** (Nov. 18-20, ticketed), featuring new dances created by Emory's Lori Teague and Gregory Catellier, Atlanta Ballet principal dancer Tara Lee and director of Spelman Dance Theatre, T. Lang. Bridget Roosa, director of dance at Agnes Scott College, will restage "Shakers," the 1931 classic by Doris Humphrey, for



Breakdancer Teena Marie Custer performs Sept. 14. SPECIAL

a cast of student dancers from Agnes Scott and Emory. The Saturday matinee will feature a work by Emory faculty George Staib performed by Spelman's student company.

Experience the intersection of film and contemporary dance at "Dance for Reel: An Evening of Dance on Camera" (Oct. 14), a presentation of works from the Dance Films Association. Several Dancers Core co-sponsors two **Fieldwork Showcases** (Dec. 5 and May 1, 2011) of new works created by community artists in various disciplines. The **Women's History Month Dance and Theater Presentation** (March 17, 2010) highlights collaborative and individual dance and theater presentations.

Emory Dance welcomes back

its alumni for the **Emory Dance Alumni Concert** (March 25-26, 2011, ticketed), which will showcase works choreographed by Emory dance alumni working in the field as performers, choreographers, teachers and scholars.

The **Emory Dance Company Spring Concert** (April 14-16, 2011, ticketed) features new works choreographed and performed by students. Emory faculty Gregory Catellier closes the season with an evening-length dance and multi-media performance created with six dancers in a **Faculty Dance Concert** (May 20-22, 2011, ticketed).

For more information call 404-727-5050 or visit www.arts.emory.edu.