

CAMPUS

New bookstore set for summer opening. **Page 4**



EVENTS

Tibet Week brought colorful scenes to campus. **Page 8**



| | |
|---|----------|
| PROFILE: A rabbi's spiritual quest | 2 |
| PEOPLE: Chief auditor fights fraud | 3 |
| CAMPUS: Support for tobacco fee | 5 |
| DISCOVERY: A DNA diagnostic | 6 |
| FORUM: A boost for Bike Share | 7 |

India's gold gleams with ritual



Site curator Joyce Flueckiger (above, center) leads visitors through the new exhibit at the Carlos Museum. Right: A gold Chettiar *tali* from the Susan L. Beningson Collection.

ANN BORDEN (LEFT); BENJAMIN HARRIS B.S.K. (RIGHT)

By KIM URQUHART

"When Gold Blossoms: Indian Jewelry from the Susan L. Beningson Collection," now on view at the Carlos Museum, celebrates the beauty and technical craftsmanship of Indian jewelry with more than 150 pieces spanning hundreds of years.

Primarily from South India, the selection includes intricate rings, nose rings, anklets, earrings, necklaces, hair pendants,

ivory combs and jeweled crowns — a dazzling array of objects of adornment that reveals complex communication functions as well as cultural, spiritual and social beliefs.

"We are privileged to bring these exquisite cultural treasures to Atlanta," says Carlos Museum Director Bonnie Speed. "More than stunning works of art, these objects speak to a rich and vibrant cultural heritage."

Traditionally, jewelry in

India has been worn and valued for both its ornamental and symbolic qualities. Replete with meaning, jewelry can reveal the wearer's regional origins, beliefs, marital status, wealth and social position.

"When Gold Blossoms" not only celebrates the beauty and craftsmanship of Indian jewelry, but also examines how it was and continues to be worn to create and communicate identity in social and religious contexts.

"While the exhibit visually displays the jewelry as art, it's important to remember that many of the pieces are or have been used in everyday adornment, adornment that reflects the identity of and gives auspiciousness to its wearer," notes Joyce Flueckiger, professor of religion and site curator.

Flueckiger, who grew up in the Indian Himalayas and studies

Please see **GOLD** page 4

Building identities from past

By MAUREEN MCGAVIN

Researchers who assembled "Voyages: The Trans-Atlantic Slave Trade Database" online (www.slavevoyages.org) at Emory are now expanding that work with a new project called "African Origins," an effort to present rare, detailed information on Africans pulled into the slave trade.

With help from the public, researchers plan to reconstruct the migration histories of Africans who were forced onto slave ships in the Atlantic in the early 19th century, says David Eltis, principal investigator on the project.

"The original project, Voyages, traced the routes of captive Africans from ports on

Please see **AFRICANS** page 6

Dalai Lama visit details coming soon

His Holiness the XIV Dalai Lama will hold exclusive office hours for the Emory community when he returns to campus Oct. 17-19, in his capacity as Presidential Distinguished Professor.

The Dalai Lama is set to participate in a series of public events, to be announced March 30. The Emory-only event, "The Professor's Office Hours: Questions for the Dalai Lama from the Emory Community," takes place 10 a.m.-noon, Tuesday, Oct. 19 in the Woodruff P.E. Center. President Jim Wagner will moderate the Q&A session with the Dalai Lama.

Tickets for the event will be available Sept. 8 at <http://dalailama.emory.edu>. Tickets are free for 1,500 general-admission bleacher seats, and \$10-\$20 for reserved seating on the main level. Net proceeds benefit the Emory-Tibet Partnership and the Emory-Tibet Science Initiative.

Oxford class goes off the grid on spring break

By CATHY WOOTEN

"I want them to deal with the flies. I want them to understand the beginnings of medicine. I want them to experience an authentic Amazonian, shamanistic culture." In these words Mike McQuaide, professor of sociology at Oxford College, sums up the primary aim of a classroom experience

that is one of the most sought-after classes on the Oxford campus.

Students in the course, Social Change in Developing Societies, read primary sources in sociology, psychology and anthropology. These texts and the class discussion they inform serve as preparation for the course laboratory — Rio Blanco, a Quichua village in Ecuador's

Napo province, situated in the upper Amazon basin. Each year, students enrolled in the course spend their spring break in Rio Blanco, observing firsthand what they have read about in the course material.

McQuaide went there first during a sabbatical in 1998; he was looking for a destination where he could experience the total opposite of the everyday

plugged-in lifestyle. A travel consultant pointed him to Rio Blanco, and what he experienced made him want to reproduce the effect for students.

He introduced Sociology 231R into the Oxford curriculum in 1999. It has been offered each spring semester since,

Please see **ECUADOR** page 5

NEW ONLINE AT EMORY.EDU

www.emory.edu/EMORY_REPORT

See more at Emory Report online, which provides information unavailable in print, including videos, additional photos and more in-depth information.

Check out the new Slideshow Gallery, which puts a lens on Emory with the month's best or most newsworthy photographs.

www.whsc.emory.edu

Looking for updated facts and figures about the Woodruff Health Sciences Center or about Emory Healthcare? Find all this and more in the 2010 At-a-Glance brochure, now available online and in PDF format.

www.blogs.emory/creativity

This blog on creativity is sponsored by "Creativity: Art and Innovation" at Emory with the goal of strengthening bonds across campus, fostering interdisciplinary scholarship and collaborations, and inculcating a love of lifelong learning in students.

www.blogs.emory/harmonicexperience

This blog presents ideas and video clips from Harmonic Experience: Metaphysics and Music, a spring 2010 class taught by Emory professor Steve Everett and Robert Spano, Emory's Distinguished Artist in Residence. Guest lecturers include Neuroscience and Behavioral Biology's Paul Lennard on the neuroscience of music and the Department of Music's Stephen Crist on Bach, among others.

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 ebsnyde@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.

EMORY PROFILE Victoria Armour-Hileman

Quest gave chaplain her spiritual identity

By MARGIE FISHMAN

Two years shy of graduating with her doctorate in British and American literature, Victoria Armour-Hileman, now Emory's associate dean of religious life and chaplain, knew that she was still missing "an education."

Meditating above the Celtic Sea during a year-long study abroad program in Wales, she felt entranced by "the voices, the prayers and the heartaches of the world." Armour-Hileman immediately informed her parents and friends that she would continue to explore and learn abroad after graduation, her spiritual quest incomplete.

"I needed to go so far to make even the most foreign place feel like home," she remembers. "Whatever was inside of me needed to settle down."

Upon graduation, Armour-Hileman began volunteering with Maryknoll, a U.S.-based Catholic mission movement. Assigned to Vietnamese refugees in Hong Kong, she assembled a cooperative of female artists in the camps, helping them practice, teach and make money from their crafts. Later, she worked with indigenous Mon refugees in Thailand, the basis of her first memoir, "Singing to the Dead." As a foreigner, Armour-Hileman flew under the radar of an oppressive regime, locating doctors who were willing to risk their livelihoods to treat the refugee population. The minimum tour of duty with Maryknoll was for three-and-a-half years; Armour-Hileman stayed for six.

During that time, she witnessed the refugees' profound sense of group identity and loyalty, which made even refugee life bearable. Armour-Hileman envied that feeling of kinship, having been raised secularly by a Jewish mother and a Catholic father.

"I grew up believing that I belonged to the Jewish people," she says, "but I didn't know what that meant to me."

After returning to the U.S., Armour-Hileman served on the leadership team for a branch of Maryknoll, sending volunteers to 14 countries. Nearly a decade later, she enrolled in Hebrew Union College's Jewish Institute of Religion, where, as an enthusiastic composer, she created an unconventional musical for an end of the year sermon project and was recognized for her excellence in liturgy. All branches of Judaism, except the Orthodox, ordain women as rabbis and cantors.

Armour-Hileman joined Emory in 2008, promoting inter-religious dialogue and individual expressions of spirituality. The Religious Life Office provides institutional support to 30 recognized religious groups on campus, partnering with them and University departments on a variety of projects, including the implementation of a kosher meal plan at the DUC last fall. The office co-sponsors programs that integrate faith with learning, such as a recent workshop in the Women's Center on creating a sense of Sabbath through meditation, and an intensive journaling project in collaboration with Volunteer Emory.

"We're trying to integrate the whole college experience with the deepest questions of the heart," Armour-Hileman says.

The Office of Religious Life also coordinates regular Chapel Teas, where faculty members discuss questions of ethics and spirituality surrounding their scholarship. Students, faculty and staff participate in Contemplative Practices workshops, which explore contemplative techniques across different cultures, such as chanting to drums and walking the labyrinth. Journeys of Reconciliation trips, held several times a year, offer participants two-week immersive experiences in cities at home and abroad to study such topics as oppression, conflict and culture.

In her spare time, Armour-Hileman is busy writing her second memoir, "Public Secret." The book deals with a hidden truth she discovered about her father that ultimately led her to become a rabbi.

Back in academia, among colleagues devoted to exploring the life of the mind, Armour-Hileman is planning a spring event for the community to share spiritual themes in personal art work.

"We're all spiritual beings," she says. "Some of us have a clear religious identity. Some of us don't. At a university that is ethically engaged, this is the place to ask those questions about what it means to be human."



Rabbi Victoria Armour-Hileman is associate dean of religious life.

BRYAN MELTZ

Explore spiritual themes at art event

Rabbi Victoria Armour-Hileman will host "Spirit Sounds," a religion and arts event on April 22 at 7 p.m. in Cannon Chapel's Brooks Commons.

"This is a chance for members of the university community to explore religious or spiritual themes through an original work in an arts medium, from visual arts to music or language arts," she says.

Auditions — open to students, staff and faculty — can be arranged by e-mailing Ariel Wolpe at ariel.wolpe@emory.edu.

Add Beautiful GreenSpace to Your Place

Featured on
Planet Green's
"Renovation Nation"
We're Atlanta's Green
Renovation Experts



Architectural design by Eric Rawlings

Longing for more living space? Call on Renewal to design and renovate your home — or add to it — to create a master suite, additional family room, or a children's play area. Can't expand outward? What about going up? We can renovate your attic or "pop the top." We'll take care of everything from design through construction with quality craftsmanship. On time. On budget. Guaranteed.



See the Renewal
team on HGTV's
new series "Curb
Appeal: The Block"

404.378.6962
RenewalDesignBuild.com
124 S. Columbia Dr., Decatur 30030



People

3

QUESTIONS FOR ... Michael Bordoni

Audit chief discusses fraud prevention

Michael Bordoni joined Emory in 2008 to lead its Office of Internal Audit, where a major priority for him and his team is to help prevent fraud across the institution. Bordoni discusses Emory's fraud prevention and awareness efforts and its importance to Emory, especially during the economic downturn.



Emory Report: What is the scope of oversight for your office?

Michael Bordoni: The Office of Internal Audit was created to provide internal control monitoring oversight. Our goal is to support the Board of Trustees, management, staff and faculty in safeguarding University assets through independent audits, assessments and investigations.

Emory spends approximately \$3 billion each year and must guard against a variety of potentially improper and possibly illegal activities ranging from fraudulent vendor transactions to P-card improprieties, and many other forms of misappropriation of Emory funds. When potential issues related to financial misconduct or fraud are reported to management or through

Emory's Trust Line, they are referred to the internal audit office for investigation. We look at our office as the independent audit and investigative arm of Emory, similar to that of most large companies.

ER: What steps is Emory taking to promote fraud awareness, prevention and detection?

Bordoni: One of our primary goals is to educate internal audiences at Emory. For example, we educate staff and faculty about which activities are improper, including some activities that people justify in their minds as appropriate. We also educate managers about the steps that they can take to monitor their departments, and what to watch out for. Ultimately, managers are responsible for the activities of their departments, so we want them to be fully aware of warning signs and how our office can assist them if they suspect unusual behavior.

We know that desperate people do desperate things, especially in an economic downturn.

These activities are not tolerated in the best of times — they are an affront to the overwhelming majority of the Emory community who play by the rules. But during this period of economic austerity and budget reductions, this fraud is theft from departments that are already lean. Fraudulent losses have financial impact that can negatively affect purchasing, hiring

and departmental reductions in force.

ER: In your experience, how can fraud develop in a university community?

Bordoni: Employee fraud occurs when employees, who are aware that they are trusted, have the opportunity and ability to beat the system. Some of the illegal activities we see are very purposeful and intentional. But a great deal of the behavior we see begins gradually — a justification to expense outside meals because a staff member has been working overtime, or by making purchasing decisions based on personal, rather than business needs. Unfortunately, for some people the smaller actions are falsely justified and lead to more egregious improprieties. It's a very slippery slope.

Ultimately, fraud education and prevention is a major component of maintaining an ethical community, and that is the foundation of our work. Additionally, we want members of our community to feel comfortable in reporting suspected fraud or other inappropriate activity. The Emory community supports a culture that includes ethical behavior, stewardship and accountability for each other and to Emory as an institution. We cannot and will not tolerate behavior that deviates from the fiduciary responsibility that we all share to Emory.

—David Payne

ACCLAIM

Donald Harvey has been elected president of the Hematology/Oncology Pharmacy Association (HOPA).



Harvey, who is director of the Winship Cancer Institute's Phase I Clinical Trials section and an oncology pharmacist. He is also assistant professor of hematology and medical oncology.

HOPA is an international professional organization dedicated to supporting hematology and oncology pharmacy practitioners in optimizing cancer patient care.

Michael Kloss and **Kimberly Miller** were top finalists for a national events industry award for the second year in a row.

Kloss, executive director of university events, and Miller, event manager, were selected as finalists from over 500 nominees for the Spotlight Awards Organizational Event Planner of the Year, in the category which covers schools, hospitals, nonprofits and civic organizations.

Keith Klugman has been appointed president-elect of International Society for Infectious Diseases. He will assume the society's position of president in 2012.



Klugman is the William H. Foege professor of global health at Rollins School of Public Health and professor of medicine, Division of Infectious Diseases, in the Emory School of Medicine. He also is a visiting researcher, Respiratory Diseases Branch, CDC, and director of the Respiratory and Meningeal Pathogens Research Unit, University of the Witwatersrand in South Africa.

Gary Miller is the recipient of the SOT 2010 Achievement Award for his significant early career contributions to toxicology.



Miller, professor of environmental and occupational health and associate dean for research, Rollins School of Public Health, was honored at the Society of Toxicology meeting in Salt Lake City, Utah.

Lisa Tedesco has been elected to the Executive Committee for 2010 of the Association of Graduate Schools.



Tedesco, dean of the James T. Laney School of Graduate Studies, will serve on the committee for AGS, which is comprised of graduate deans of the Association of American Universities. Tedesco is also vice provost for academic affairs-graduate studies and a professor in Rollins School of Public Health.

Awards of Distinction for outstanding work

Congratulations to the winners of the 2010 Award of Distinction, which recognizes University employees who have made outstanding contributions to the Emory community through their initiative, innovation or leadership. The following 10 individuals were honored at a March 23 dinner, and received a \$1,000 award.

Lee Clontz, University Technology Services Integration Team

Sue Dale, Oxford College

Morris Durham, Campus Services

Maggie Hassan, Emory College, Office for Research Funding and Support

Kathryn Kite, School of Nursing, Lillian Carter Center for International Nursing

Ed Lee, Campus Life, Barkley Forum

Paula Londe, University Communications and Marketing

Liz McCarty, School of Medicine, Pediatrics

Nancy L. Miller, School of Medicine, Division of Animal Resources

Mike Poole, Campus Services, Emory Police

An additional award was presented to Vice President of Campus Services Bob Hascall, who will be retiring later this summer, in recognition of his many contributions to Emory over the last 13 years.

Winter is over.

Pollen season is about to color your world.

Be ready with a total system tune-up.

EMPIRE

HEATING & AIR CONDITIONING

Safer • Cleaner • Better • Since 1985

404-963-9363 | EmpireHVAC.com

TAKE NOTE

EmoryCards must be recoded by April

Emory is updating the software used to manage the EmoryCard system. All faculty and staff are asked to recode their EmoryCard prior to Friday, April 2 in order to continue to access campus libraries, gyms and other Emory facilities.

Encoding stations are the Woodruff Library security desk; Human Resources Department lobby; Student Financial Services Office; and Oxford Student Financial Services Office.

EmoryCards that are not recoded by April 2 will not function at locations on campus.

For more information, contact Student Financial Services at 404-727-6095.

Donate cell phones to help victims

You make the call on helping victims of domestic violence, the Center for Women says.

Donate old cell phones at three campus drop-off locations: Center for Women in Cox Hall; Dobbs University Center; and the Emory Police Department.

Some phones will become emergency phones for those targeted by domestic violence. Others will be recycled and the funds used to help women and children served by the Partnership Against Domestic Violence and the Georgia Coalition against Domestic Violence.

All information from the phones will be discarded so former owners are safe.

This initiative, sponsored by several Emory organizations, is in honor of Women's History Month (March); Sexual Assault Awareness Week (April 8-12); and Earth Week (April 18-25).

For more information, call 404-727-8005 or 404-727-2001. Office.

Nominations open: We are Emory award

Recognize those who cultivate and build community at Emory by nominating them for a We Are Emory 100 Community Builders Award.

The Office of Community and Diversity is seeking the nominations for this university-wide campaign by Friday, April 30.

The 100 Community Builders, to be selected in May, will be featured on the 100 Community Builders Poster and the We are Emory Web site and will be honored with a reception next academic year. The award honors faculty, staff, students and alumni from every area of the Emory community.

Faculty, staff, students and alumni can submit multiple nominations through an online form at www.weare.emory.edu/form.php. A selection committee will review all nominations.

For questions or further details, e-mail diversityrsvp@emory.edu.

Green buildings LEED to reaching goals

By DAVID PAYNE

Emory completed the first LEED-certified building in the Southeast, the Whitehead Biomedical Research Building in 2001. At that time, "green" building practices were not commonplace, especially those certified by the U.S. Green Building Council through its nationally recognized Leadership in Energy and Environmental Design (LEED) program.

Today, Emory's portfolio of LEED green buildings stands at 13 and Emory holds the distinction of having one of the largest inventories by square footage of LEED-certified building space among campuses in America (a total of over 1.6 million GSF).

Earlier this month, the addition to the Emory Conference Center Hotel became the most recent LEED-certified building on campus. Six other buildings are expected to receive LEED certification in the near future, which will give Emory more than 2 million GSF of LEED-certified building space.

On March 4, Emory was recognized by the Atlanta Business Journal at its awards ceremony for "Deals of the Decade" when Emory University won in the "Design" category for its green building program.

LEED buildings can save the University water and energy costs. Emory's sustainable building practices will also help the University reach its energy



JONATHAN MILTON

conservation goals of 25 percent reduced energy use per square foot by 2015 from 2005 levels.

Emory's LEED buildings

1. Goizueta Business School (LEED Gold)
2. Psychology and Interdisciplinary Sciences building (LEED Gold)
3. Whitehead Biomedical Research building (LEED Silver)
4. Candler Library (LEED Silver)
5. Turman Residence Hall (LEED Silver)
6. Yerkes Neuroscience

- Building (LEED Silver)
7. Mathematics and Science Center (LEED Certified)
 8. Emory Winship Cancer Institute (LEED Certified)
 9. Emory Children's Center (LEED Certified)
 10. Few and Evans Residence Halls (completed; pending certification)
 11. Goizueta Business School Addition (LEED Gold)
 12. School of Medicine (completed; pending certification)
 13. Candler School of Theology/Center for Ethics (pending certification)
 14. Emory Conference Center

- Hotel Addition (LEED Silver)
15. Oxford Road Building (under construction; future LEED)
 16. Rollins School of Public Health addition/Claudia Nance Rollins Building (under construction; future LEED)
 17. Freshman 4 Residence Hall (under construction; future LEED)
 18. Yerkes Field Station (Not shown on map; LEED Gold)
 19. Emory's Oxford College East Village Residence Hall (Not shown on map; LEED Gold).

GOLD: Jewelry adorns art, culture

Continued from the cover

Hindu and Muslim popular traditions, travels often to India. Her photographs appear in the exhibition, including one from a friend's wedding in Hyderabad that complements the ornaments of bridal ritual adornment on display. Another is a photograph of a village woman wearing heavy gold earrings, showing that gold is often worn by women who aren't particularly wealthy, sometimes at great financial risk to the families.

As site curator, Flueckiger helped guide the exhibit's design — notice the architecture of the "Temple Jewelry" section, patterned after a temple entry directed at the deity; and the golden, earth-toned backdrops. "As an anthropologist," she explains, "I wanted to give an indication of how gold looks as it is worn in context of everyday life and hope that the colors suggest this."

A rich series of related educational events and lectures will support a greater understanding of the religious and social aspects of Indian jewelry — from the sacredness of adorning the body to poetic imagery describing the adornment of deities of the Hindu pantheon, notes Flueckiger, who will speak about the gold wedding pendant's significance in everyday life at

an April 27 lecture.

She encourages the Emory community to visit the exhibit, on view until July 11.

"I hope that seeing this beautiful exhibit of ornamentation and learning more about jewelry in Indian contexts will cause viewers to notice and think about ornamentation in their own families and cultures in a new way," Flueckiger says. "They may find that, explicitly or unexplicitly, the creative potential of adornment in their own contexts resonates with some of what they see in 'When Gold Blossoms.'"

Organized by the Asia Society-New York, support for the exhibition in Atlanta was made possible by the E. Rhodes and Leona B. Carpenter Foundation, Emory's Strategic Initiative in Religion, Society, and the Arts, and India-Atlanta Community Partners.

Admission is free for Emory faculty, staff and students and Carlos Museum members.

Related events

Educational programs surrounding the exhibition range from an outdoor film festival to children's art workshops to faculty lectures and performances.

For a schedule of events, visit carlos.emory.edu/wgb-education-programs.



RENDERING

Latest chapter for new bookstore

Emory's new campus bookstore and admissions office continues construction on Oxford Road. The building is expected to be complete in late May, and occupied later this summer.

When completed, the three story structure will house a Barnes & Noble Bookstore on the first and second level, a large Starbucks coffee shop on the first level, and a Barnes and Noble "spirit merchandise" sales area on the third level. The new undergraduate admissions office will also be on the third floor.

A landscaped plaza, the Anne Register Jones Courtyard, will bridge the area between the new building and the B. Jones Building. Recently named to honor the wife of Boisfeuillet Jones, the courtyard will be a large "green roof" over a new parking deck.

—David Payne

Campus

5

REPORT FROM: Emory Healthcare

Joining support for tobacco user fee

Smoking kills more people each year than alcohol, AIDS, automobile crashes and suicides combined, and at a cost of more than \$2.25 billion in health care-related costs in Georgia each year.

Emory Healthcare has joined hundreds of health care organizations around the state of Georgia in supporting a tobacco tax increase, which would encourage many smokers to quit, discourage others from starting, and eliminate the need for state lawmakers to levy currently proposed taxes on our already struggling hospitals and health care-related services. The state

has projected over a \$1.2 billion state budget shortfall for the 2011 fiscal year — similar to situations other states are also facing in the challenging economy.

“Emory Healthcare, the Georgia Hospital Association and the Georgia Alliance of Community Hospitals, and other organizations strongly feel that a tobacco user fee placed on the very product that causes so many deaths and hospitalizations each year would help maintain and grow health care services. We support the increased revenues this user fee would bring in for health care and — most importantly — improve the

quality of health for many Georgians,” says John T. Fox, Emory Healthcare president and CEO.

“This option, we believe, would increase revenues and, most importantly, improve the quality of health for many Georgians by increasing the tobacco tax by \$1 per pack of cigarettes, as some smokers would stop smoking, prevent children and teenagers from ever beginning in the first place,” Fox continued.

According to Doug Morris, director of the Emory Heart & Vascular Center Director, smoking impacts society

in numerous ways — medically, environmentally and societally. “The opportunity to save the healthcare system and help many people either stop — or avoid — smoking is a win for everyone,” says Morris. “I can think of no better way to help hospitals and citizens alike than to tax the very substance that leads to so many hospitalizations and deaths each year.”

Lance Skelly is associate director of media relations for Emory Hospitals and the Wesley Woods Center.

ECUADOR: Unplugged in Amazon proves powerful



MIKE MCQUAIDE

Augustin Grefa (right), spiritual and political leader of Rio Blanco, interprets ancient petroglyphs for Oxford students.

Continued from the cover

providing a powerful experience for nearly 200 Oxford students.

The group that traveled to Ecuador during spring break 2010 included 11 students, McQuaide, two other Oxford faculty members and one Emory faculty member. The trip followed the itinerary developed by McQuaide.

The journey to Rio Blanco allows for a gradual approach to the Amazon basin. The group flew from Atlanta to Quito, where they spent a day before heading out by bus. Along the way there was a stop in Otovalo, famous for its large market and for its beautiful weaving. Here the participants also met with local shamans, who performed a ritual healing ceremony, the first of two the group would participate in. From Otovalo, the group continued by bus before switching to boats on the Napo River, where they were eventually deposited at a takeout. The group then hiked three hours through jungle to reach Rio Blanco.

“In Rio Blanco, they’re off the grid,” says McQuaide. “Most of them have never experienced that.” No phones. No Internet. No electricity.

Once in the village, students lived

with the Quichua, sleeping on rough-hewn beds as they do, eating as they do and having time to observe and also to interact.

Much of what they experienced in the village was guided by Augustin Grefa, the political and spiritual leader of the community. Elected as head of the community (and called El Presidente by the locals), Grefa is also its shaman or yakchek (the Quichua term), a birthright position for which one trains from an early age. He showed and interpreted local petroglyphs for students, organized walks through the jungle and demonstrated the medicinal and utilitarian plants the Quichua employ. A dramatic highlight of the trip was a second spiritual healing ceremony, led by Grefa just prior to the group’s departure.

When they return, students are eager to speak of the experience. Freshman Uma Chidambaram calls the recent trip “incredibly enriching.” When asked what she would most like to say about it, she replies, “When experiencing life in a developing society, it is of the utmost importance to surrender the illusion of control.” Knowing when to yield control is something not easily taught, and the rhythm of life in Rio Blanco provides students a laboratory in which to learn.

Competition makes case for global health

By REBECCA BAGGETT

How does the state government of Gujarat, India, stem the health, social and economic burdens of tobacco use among its citizens when the dominant industry is tobacco product manufacturing? This is the question that close to 70 students answered during the 2010 Emory Global Health Case Competition, held March 20 at the Goizueta Business School.

Evaluated by a panel of judges with expertise in law, public health and business, the multidisciplinary student team who presented the winning case focused on placing excise taxes on tobacco products, encouraging economic diversification efforts in Gujarat, and targeting tobacco control and prevention messages to youth through popular cricket and Bollywood stars. The six Emory students comprising this team won a \$3,000 cash prize and experienced a valuable real-world global health challenge by working across disciplines.

“I had a wonderful experience participating in the Global Health Case Competition. I think that each of us from our different disciplines brought really important ideas to the table when trying to address the case,” says Loida Erhard, a Rollins School of Public Health student.

Teammate Parul Parikh, an Emory Law student, echoes that thought. “Working with a multidisciplinary team

was great. It gives you a window into the skills that other disciplines use while solving problems and it enhances the ideas that you bring to the table,” he says.

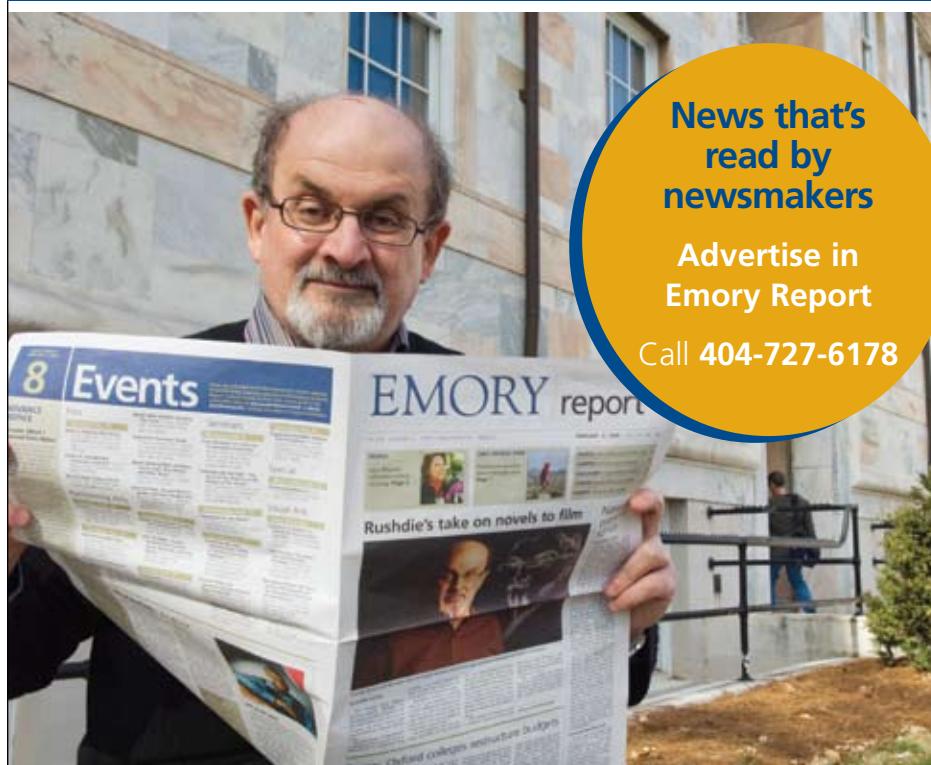
Initiated and coordinated by the Emory Global Health Institute’s Student Advisory Committee (SAC), the Emory Global Health Case Competition brings students together from multiple disciplines to develop innovative solutions for global health challenges.

After the 2009 inaugural competition that featured eight Emory teams, the SAC expanded this year’s competition to include 12 student teams, three of which came from Duke University, Vanderbilt University, and the University of Alabama at Birmingham. Students from multiple disciplines including business, law, medicine, public health, nursing and a variety of undergraduate majors comprised the teams.

Two additional Emory teams earned second-place and honorable mention honors, while Duke’s team received an honorable mention award.

“Working with a team of dedicated and passionate students in organizing our second event of this caliber and magnitude has shown us that our youth’s spirit and commitment can overcome vast obstacles,” says Mohammed K. Ali, assistant professor of global health and an adviser to the SAC.

Where do you get your ideas?



AFRICANS: Help wanted to trace origins

Continued from the cover

the African coast, across the Atlantic Ocean via slave ships to points of disembarkation in South, Central and North America,” says Eltis, Robert W. Woodruff Professor of History. “The new African Origins project turns the focus toward Africa, to trace who these Africans were and from where they originally came.”

The African Origins project will create an online database on 67,000 liberated Africans, including such details as name, gender, age, African port of departure, and in some cases, the name of the place where the person originally lived. The information comes from registers created by International Courts of Mixed Commission located in Havana, Cuba, and Freetown, Sierra Leone.

These and other courts were established around the Atlantic Basin in the early 19th century, following the United States’ and Great Britain’s suppression of the transatlantic slave trade in 1808, says Eltis. The courts adjudicated cases of slaving ships intercepted by the British, Portuguese and Brazilian navies.

The spoken names of Africans liberated from these vessels, along with other identifying information they provided through translators, were recorded in court registers, in an effort to protect these Africans from future enslavement. Now these names are clues to discovering who these Africans were.

The persistence of naming practices among many African social groups, as well as the strong links between the use of certain names in certain languages, means that these names can be used to identify what language or ethnic group an African belonged to, and



Origins project members Nafees Khan (front) and Daniel Domingues da Silva (back) listen to pronunciations of the written names of Africans liberated from 19th-century slaving vessels.

SPECIAL

through this, where the individual lived in Africa at the time he or she was pulled into the slave trade, says Eltis.

Volunteers sought

To canvass the thousands of languages and dialects likely spoken by the more than 67,000 individuals listed in these historical registers, the African Origins project seeks volunteer help among communities of Africans and scholars worldwide. Members of the public with knowledge of African languages, cultural naming prac-

tices and geographic areas can assist in identifying the language, ethnic and geographic origins of people listed in these registers, by taking a few minutes to search these records, listen to a name and offer an assessment of an individual’s likely affiliations.

With these insights, scholars serving as editors of the database can consider the range of possible languages and groups affiliated with a name, alongside historical records of peoples’ locations and movements across western Africa.

As contributions are received and analyzed and new data on origins published, says Eltis, visitors to the African Origins site eventually will be able to search for Africans by ethno-linguistic group and geographic place of origin and view maps of the historical locations of groups pulled into the slave trade.

Much like the Voyages project that preceded it, this work will depend on the contributions and expertise of many in addition to the Emory team, says project manager Liz Milewicz. Most notably, it will employ “cit-

izen science,” soliciting voluntary help from members of the public to help identify the likely language or ethnic group suggested by an African’s name.

“In our case, we’re really looking for ‘citizen historians’ to help us with this project,” Milewicz says. “The detail and diversity of this historical data requires contributions from people familiar with a vast number of African languages, cultures and geographic areas.”

The African Origins database will launch for public use in late spring.

Feedback loop explains effect linked to cancer

By QUINN EASTMAN

Signals released by immune cells during a bout of inflammatory bowel disease interfere with intestinal cells’ ability to regenerate. Yet people with inflammatory bowel diseases have a significantly higher risk of developing colon cancer: a hyper-activation of growth in those same intestinal cells.

Emory researchers have identified a feedback loop involving a growth-regulating circuit in intestinal cells, which helps explain these apparently contradictory observations. The findings also suggest that interfering with one component of the feedback loop may aid in controlling inflammatory bowel diseases.

The results were published in the March 26 issue of the journal *Immunity*.

Pathologist Asma Nusrat and

her colleagues examined mice treated with a chemical, dextran sulfate, which gives them colitis. When they treated intestinal cells in dishes with inflammatory cytokines they identified in the living animals, the cells had a burst of growth but then started to die out after three days.

Nusrat’s team found that prolonged exposure to inflammatory cytokines induces intestinal cells to give off a protein called dickkopf, which eventually kills the cells.

Dickkopf inhibits a regulatory circuit, collectively known as the Wnt pathway, which controls the growth of intestinal epithelial cells. Most colon cancer cells have mutations in their DNA that push this circuit into overdrive. However, the circuit has to work at a moderate level or intestinal cells will not grow.

Sequencing system to increase accuracy, reduce genetic test cost

By HOLLY KORSCHUN

A new “next-generation” DNA sequencing system will allow Emory geneticists to greatly increase screening capacity, provide greater accuracy in detecting mutations, and reduce the cost of genetic testing.

The Applied Biosystems SOLiD system will enable Emory Genetics Laboratory to analyze multiple genes at the same time, making it easier to analyze disorders with many possible candidate genes. Identifying genetic mutations is important for confirming a diagnosis, genetic counseling, risk assessment and carrier screening.

The current gold standard for genetics sequencing technology allows geneticists to sequence approximately 800 megabases per day. A megabase measures the length of DNA fragments and is equal to 1 million nucleotides

(segments of DNA made up of the chemical bases A,C,T,G). The new technology will generate more than 6,000 megabases per day. The instrument also uses two-base encoding, which means each base is sequenced twice, providing greater accuracy and confidence in detecting mutations.

“This new sequencing capability will help lower the barrier to genetic testing for complex disorders and will be an important step in ending the diagnostic odyssey that families now face,” says Madhuri Hegde, senior director of Emory Genetics Laboratory.

“For example, the use of next generation sequencing technology will enable us to offer panel testing, at a reasonable cost, for disorders such as X-Linked Intellectual Disability, a disorder for which many genes have been implicated. The more of

these genes we can analyze, the better our chances of finding what is causing the disorder.”

Emory Genetics Laboratory is an integrated clinical genetics testing laboratory, specializing in molecular genetics, cytogenetics and biochemical genetics.

Tests offered

For more information about Emory Genetics Laboratory and its test offerings, visit www.geneticslab.emory.edu.

FIRST PERSON

'Smart lock' innovation will boost bike share

On March 9, the Georgia Institute of Technology received a \$50,000 Ford College Community Challenge Grant to establish an innovative bike share program with bicycles from Emory's bike share program. Georgia Tech mechanical engineering students designed a "kiosk-free" bike share infrastructure, which locates and checks out bicycles via mobile phones. Emory, which supported the grant, will test the first fleet of bikes this summer.

By JAMIE SMITH

Bike Emory's Bike Share program has been successful and popular, with more than 2,000 check-outs since the program launched in the summer of 2008. However, I've come to realize that in order to grow the program, I needed to automate the current bike share system, which requires users to speak to an attendant, show an Emory ID, get a key and use a U-lock.

After months of research I found that the automated bike share systems available in the U.S. market are expensive, with costs not scalable to universities. Daunted, I was forced to think creatively to find a solution.

Then one day it came to me. I thought, why not partner with Georgia Tech to create our own bike share system? We have the bike share expertise and support infrastructure, and Georgia Tech is bubbling over with innovators and engineering talent. So I reached out to Georgia Tech with the idea of creating a fully automated bike share system.

Eventually I was introduced to a professor at the Georgia Tech School of Engineering. Dr. Bert Bras is from the Netherlands, where 40 percent of the population com-



Jamie Smith helped connect Emory and Georgia Tech.

ANN BORDEN

muters by bike, so he knows a thing or two about urban cycling. He suggested that one of his senior capstone classes take on the project of creating an automated bike locking mechanism. To keep a long story short, one group of students actually created a working prototype lock and decided to continue to pursue the creation of a bike share system with Emory.

What would an automated bike share system need to be successful? I told the students that a world-class system would need to be secure, easy to use, keyless, trackable, fun, green and affordable. We also discussed innovative ideas such as using mobile technology and GPS to make the bikes truly

automated, but I fully expected to have to come back down to earth and settle for something less than what we dreamed.

To my amazement, the brilliant group of young engineers — with the support of bike and part donations from Advanced Sports and a \$50,000 grant award from the Ford Foundation — brought the dream to life.

The new bikes will allow users to check bikes in and out with their mobile phones. The mobile technology connects to an innovative "smart lock" that will release the bike when a valid text request is received.

This will eliminate the need for staffing and keys. This also means that this system will be truly flexible because the bikes do not have to be returned to just one or two stations. They can be located to meet demand. Since the bikes will be equipped with GPS we can use that data to track usage patterns and to make sure that the bikes are not being stolen.

The GPS and mobile technology will also allow us to provide fun and utilitarian mobile applications for users that will allow them to easily find a bike and track their miles, calories burned and carbon footprint reduction by taking a bike instead of a single occupancy vehicle.

Most importantly, expensive, fixed infrastructure is no longer needed, so Emory can afford to expand the program to meet demand.

The first fleet of bikes will be rolled out at Emory this year as part of a pilot test. Following the test, the first fully implemented program will be launched at Emory.

It is my vision that the launch of the automated bike share program, combined with cycling road infrastructure improvements planned and already in progress, will transform the Emory area into one of the premier places to travel by bicycle. Longer term, I hope to work with the team to expand the systems into surrounding neighborhoods and ultimately all the way to Georgia Tech to create a continuous corridor of bicycle transit.

We face many transportation challenges in Atlanta. History has proven that great challenges push us to innovate. This is a testament to how passion, creativity and genuine partnership can overcome seeming insurmountable obstacles to create affordable, healthy and fun transportation options that people can use to change the way they move about our city.

None of this would have been possible if Emory's leadership did not create an environment that nurtures innovation in the areas of sustainability, transportation and land use. I am proud to be a part of a university that believes it should be more than just a world-class place to learn, but also a world-class place to live, work and ride a bike.

Jamie Smith is manager, business process analysis, and director of Bike Emory.

SOUNDBITES

Native Americans: Where's the money

Attorney Elliott Levitas '52C-'56L discussed "Cobell v. Salazar: Ensuring Justice for Native Americans" at Emory Law March 23.

The class action lawsuit seeks to find out what happened to the monies the federal government managed in trusts for tribes and individual Indians. The case is not seeking money from the government, Levitas said. "We didn't say pay us the money you ripped off. What we asked for is an accounting" of where the money went.

Resolution awaits "one piece of the settlement required by the government . . . that must get through Congress by the end of the year."

"It would be a tragedy for Native Americans and the government to not be able to take this good deal. If it goes back into litigation, the exposure to the government is in the multi-billions [of dollars]."

—Leslie King

Wandering through Wonderlands

"What's the use of stories that aren't even true?" the boy asked his storytelling father in "Haroun and the Sea of Stories," written by Salman Rushdie for his own son. The sequel, "Luca and the Fire of Life," comes out this fall.

"It's a subject I seem to have been thinking about for most of my writing life — the relationship between the imagination and the so-called real world," Rushdie said at "Wonderlands," his public lecture as Distinguished Writer in Residence.

Rushdie explored how fables and fairy tales "tell us the truth about our own lives."

"We know when we hear these tales that even though they are unreal — red carpets do not fly and witches do not live in gingerbread houses — they are also real because they are about real things: love, hatred, fear, bravery, cowardice, death."

—Kim Urquhart

A.O. Scott on arts criticism outlook

How has the rise of the Internet and the fall of print media impacted arts criticism as a profession and practice?

"It's not the end of the world, nor I think is it a dawning of a brave new wonderful age," said New York Times film critic A.O. Scott, opening a forum on the future of arts criticism presented by Emory College Center for Creativity & the Arts.

"The passion and spirit of criticism is thriving in many parts of the Internet," which offers "a great diversity of voices — sometimes cacophonous, sometimes abusive, sometimes incoherent — that can also achieve a genuine exchange of thought."

—Kim Urquhart

Glide Into Spring Clutter-Free!



"I absolutely love my new pantry Glide-Outs. They have allowed me to get my shelves more organized!"
M. Polizzotto,
Emory U. Staff

ShelfGenie®

Designed to Transform

- Storage solutions custom designed, built & installed in your **existing cabinets**
- No aching back, knees or shoulders when everything is within arm's reach
- Voted Best Home Organizing Product for Two Years in a Row!
- Locally owned & operated

Call Today for Your **FREE** In-Home Design Consultation!

(888) 886-6133
www.shelfgenie.com

FREE Glide-Out!

Buy 6 or More Glide-Outs and Get One Free!

*Valid only on one Glide-Out product of equal or lesser value with this coupon. Limit one per household. Cannot be combined with other offers.

Hurry! This Offer Expires May 1, 2010!



*2009 & 2010 National Association of Professional Organizers (NAPO-LA) Organizing Awards

ADVANCE NOTICE

Candidates for governor debate

A debate among Georgia's Democratic candidates for governor will be held Thursday, April 1, at 8:30 p.m. in Tull Auditorium.

Four of the five candidates are confirmed, including Georgia Attorney General Thurbert Baker; state House Minority Leader Dubose Porter; Ray City Mayor Carl Camon; and former Secretary of State David Poythress. Baker and Poythress are Emory Law alumni.

A panel with Tom Baxter, editor of the Southern Political Report and contributor to WGCL-TV; Robin McDonald, staff writer for the Fulton County Daily Report; and Marc Gross, Emory Law student, will pose students' questions to the candidates. Emory Law Vice Dean James B. Hughes will be moderator.

A reception sponsored by the Emory Law Democrats, also sponsors of the debate, and the Emory Food Club will follow this free, public event.

Author tells how less can be more

Former Wall Street Journal editor and reporter Kevin Salwen talks about how his family changed after they decided to sell their Atlanta home, move into one half its size, and donate \$800,000 to charity.

He will speak at the Emory Center for Myth and Ritual in American Life on Wednesday, March 31, at 4 p.m.

Salwen wrote "The Power of Half" with his daughter, Hannah, who convinced her parents and younger brother that they didn't need all their possessions, and they could improve life for many others if they learned to live with half and give the rest away.

The lecture is free and open to the public.

Lecture to explore cancer screening

"Statistical Issues in Breast Cancer Screening and Treatment" is the topic of the annual Donna J. Brogan Lecture in Biostatistics. Donald Berry will speak April 7, at 4 p.m. at the Rita Anne Rollins Room in the Rollins School of Public Health.

Berry holds the Frank T. McGraw Memorial Chair for Cancer Research at the University of Texas M. D. Anderson Cancer Center, where he is head of the Division of Quantitative Sciences and chairman of the Department of Biostatistics.

Berry will discuss statisticians' roles in screening mammography and the recent controversy created by the U.S. Preventative Services Task Force recommendations. He will also discuss modern adaptive methods in cancer clinical trials.

This National Public Health Week lecture honors the career of Professor Emerita in Biostatistics Donna Jean Brogan.

THIS WEEK'S HIGHLIGHTS

MONDAY, March 29

"Race and the New Biocitizen." Dorothy Roberts, Northwestern University, presenting. 4 p.m. Law School Auditorium. Free. betsey.patterson@emory.edu.

"The Immortal Life of Henrietta Lacks." Rebecca Skloot, author, presenting. 7 p.m. Cannon Chapel. Free. Imariani@gmail.com.

TUESDAY, March 30

Sheth Distinguished Lecture. Elizabeth Kiss, President, Agnes Scott College, presenting. Noon. Miller-Ward House. Free. charity.crabtree@emory.edu.

"No Apology: The Case for American Greatness." Former Gov. Mitt Romney, presenting. 7 p.m. Glenn Memorial Auditorium. Free. www.law.emory.edu/mitromneyevent.

WEDNESDAY, March 31

"Global Connections: The Anthropology of Reform and Restructuring in Africa." Peter Little, anthropology, presenting. Noon. 162 Center for Ethics. Free. meward@emory.edu.

"A Woman in a Man's Club: The Life of Maya Archaeologist Tatiana Proskouriakoff." Char Solomon, author, presenting. 7 p.m. Carlos Museum. Free. ehonor@emory.edu.

THURSDAY, April 1

"Citizen Rosalie: An African Woman and Her Children in the Era of the Haitian Revolution." Rebecca Scott, University of Michigan, presenting. 4 p.m. Jones Room, Woodruff Library. Free. www.history.emory.edu.

OKLAHOMA! 8 p.m. Munroe Theater, DUC. \$20; \$16 discount categories; \$6 Emory students. 404-727-5050. Through April 11.

FRIDAY, April 2

Physics Colloquium. Svetlana Kilina, Center for Nonlinear Studies, presenting. 3 p.m. Mathematics and Science Center. Free. 404-727-6584.

Robert Spano, piano/Justin Bruns, violin. Lecture: 7 p.m.; Concert: 8 p.m. Emerson Hall, Schwartz Center. \$20; \$15 discount categories; Free with valid Emory ID. 404-727-5050.

SATURDAY, April 3

Women's Softball vs. Covenant College. 1 p.m. Cooper Field. Free. www.emoryathletics.com.

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

April brings Spano concerts and a shower of musical offerings

By JESSICA MOORE

Conductor and pianist **Robert Spano** begins his Emory residency with a performance of Mozart's sonatas with violinist **Justin Bruns** (April 2, 7 p.m. lecture, 8 p.m. concert, ticketed); joins cellist **Daniel Laufer** for Beethoven's sonatas (April 7, noon); and plays Chopin's "Cello Sonata" with cellist **Christopher Rex** and Schumann's "Pictures from Fairyland" with violist **Yinzi Kong** in an Emory Chamber Music Society Emerson Series Concert (April 10, 8 p.m., ticketed). Spano hosts **"Emory's Young Artists,"** an ECMSA Noontime Series Concert (April 16, noon, Carlos Museum). He joins violinist **William Pu** for Brahms' sonatas (April 18, 3 p.m. lecture, 4 p.m. concert, ticketed).

Spano events are free for Emory employees (plus guest), alumni, Friends of Music and all students. Visit www.creativity.emory.edu for **Creativity Conversation, Emory Week** at the Atlanta Symphony Orchestra, **Coffee with the Conductor** and

ASO Ticket contests.

The **Emory Chamber Ensembles**, including string quartets, saxophone quartets and tango ensembles, perform Shostakovich, Fauré and more (April 6 and April 13, 8 p.m.).

Student- and faculty-led a cappella groups perform in **"Barenaked Voices: Seventh Annual Emory Student A Cappella Celebration"** (April 9, 8 p.m.).

Michael Cebulski directs the **Emory Percussion Ensemble** in a mallet ensemble adaptation of Mozart's "Piano Sonata in G Major," Reich's "Music for Pieces of Wood for Drums" and Telemann's "Canonic Sonata No. 6 in G Minor" (April 11, 2 p.m.).

The **Emory University Symphony Orchestra** joins **University Chorus** for performances of Mozart's "Requiem," (April 16-17, 8 p.m.).

Gary Motley directs the **Emory Jazz Ensemble** performance of jazz standards (April 20, 8 p.m.).

The **Emory Wind Ensemble** performs "Catch Us If You Can!"

(April 21, 8 p.m.) featuring Steve Temme, saxophone, and Mike Metzger, vibes, as soloists in "Escapades" and euphonium virtuoso Adam Frey premiering Libby Larsen's "Concerto for Euphonium and Wind Ensemble."

The **Emory Concert Choir** directed by Eric Nelson performs "Journeys," (April 23, 8 p.m.).

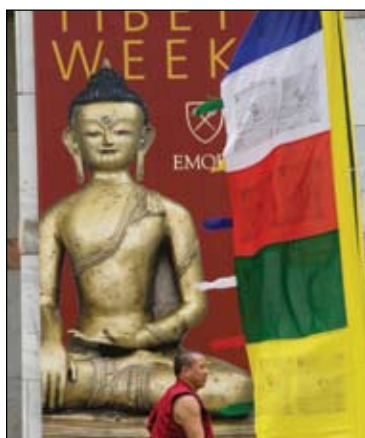
The **Emory Guitar Ensemble** performs music from the Renaissance to the 21st century (April 24, 8 p.m., Performing Arts Studio).

The ECMSA Family Series presents **"Atlanta's Young Artists,"** a showcase of talented pre-college musicians (April 25, 4 p.m., Carlos Museum, ticketed).

The **Emory World Music Ensembles** perform a range of genres (April 25, 7 p.m., Performing Arts Studio).

All concerts are free and in the Schwartz Center, Emerson Concert Hall unless otherwise noted. Information: 404-727-5050, www.arts.emory.edu.

TIBET WEEK IN PHOTOS



Smoke from a Sangsol offering wafted through a Quad decorated with prayer flags to mark the start of the 10th annual Tibet Week celebration at Emory March 22-27. The event is part of the Emory-Tibet Partnership and encourages connections between the Western and Buddhist intellectual traditions through lectures, performances and exhibits of Tibetan culture and traditions.

ANN BORDEN