

EMORY | report

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PROFILE

“Every skeleton has a story to tell,” says anthropologist George Armelagos. **Page 2**



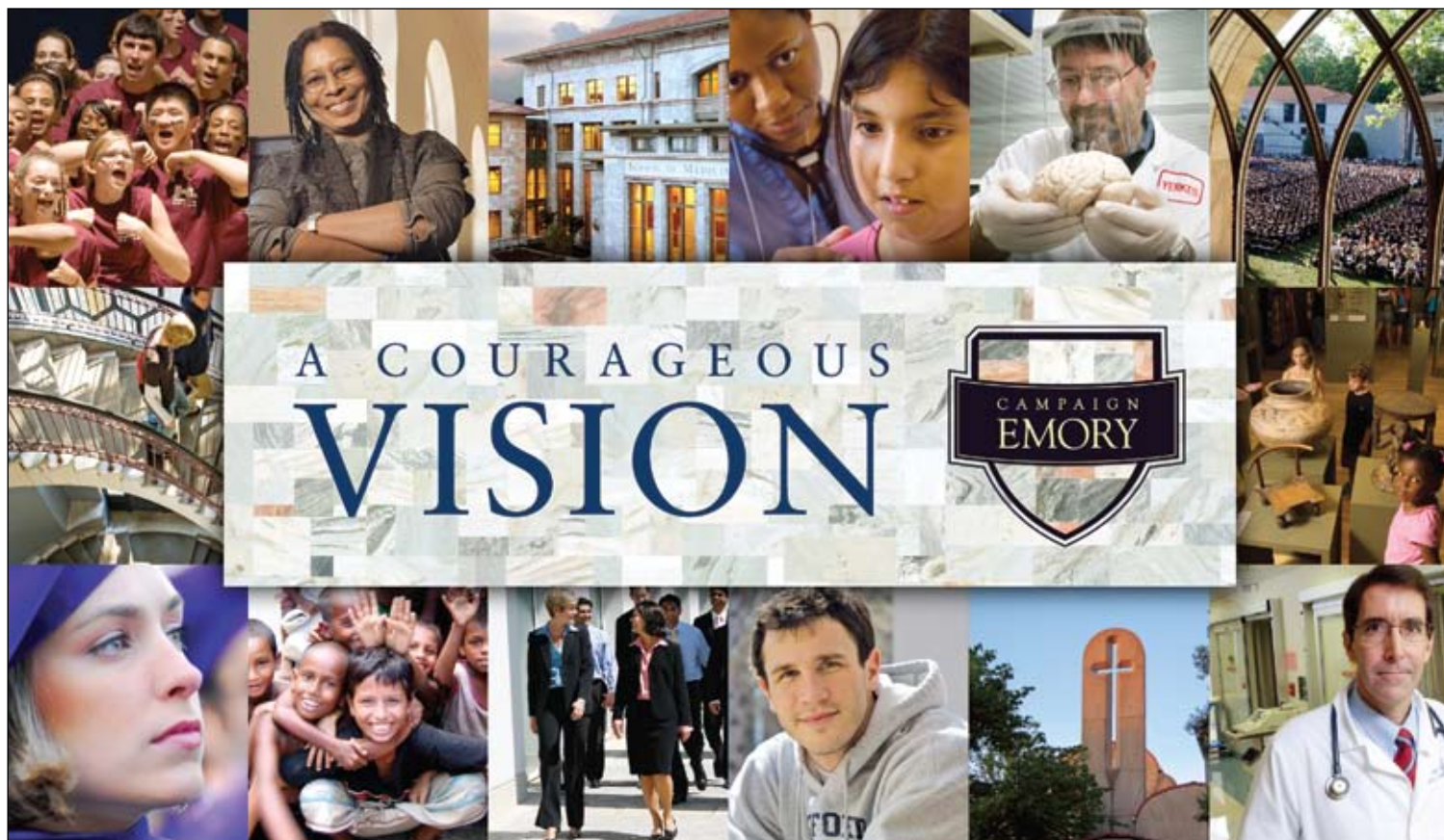
FORUM

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Emory launches \$1.6B fundraising campaign



GRAPHIC: HEATHER PUTNAM

By **MARIA LAMEIRAS**

Emory University has launched Campaign Emory, a \$1.6 billion fundraising endeavor designed to realize the challenging goals outlined in the University's strategic plan "Where Courageous Inquiry Leads." The campaign is the most ambitious in the University's history and the largest ever undertaken in Georgia.

At a black-tie gala attended by more than 500 alumni and friends Sept. 25 on the Clairmont Campus, Emory officials announced the campaign is more than halfway to meeting its goal, having raised \$838 million since beginning a

quiet phase in September 2005.

Led by President Jim Wagner, University and campaign leaders highlighted an assemblage of donors whose generosity and philanthropy has transformed Emory's people, places and programs.

Wagner called the launch a historic moment for Emory, ranking with other defining moments in Emory's past that have led to the University's standing as one of the top 20 national universities as rated by U.S. News & World Report.

"There have been many transformational points in Emory's history, times when the University had the courage to

reach for that next rung on the ladder. This is one of those points," he said. "We know who we are and what we want to become. We also know that what got us to where we are today will not be sufficient to get us to where we want to go."

Campaign Emory is designed to advance Emory's already-strong faculty, students and health care professionals; create and bolster innovative programs; and build facilities to provide the best educational, research and patient-care environments possible.

Please see **CAMPAIGN** on page 4

Wagner on State of the University

By **CAROL CLARK**

Even amid an uncertain economy, Emory can feel confident as it continues to build on the strategic theme "Where Courageous Inquiry Leads," President Jim Wagner said during the 10th annual State of the University address.

"We enter this academic year with confidence and determination, aware that the realities of the world economy make the path forward a bit more uncertain than in past years," Wagner said. "We're aware of these uncertainties, but not frightened by them. We will face them with courage."

The state of the University is "very good," said Wagner, stressing that while current economic

Please see **WAGNER** on page 5

Carter candid as ever

By **ANN HARDIE**

Ever true to his reputation for speaking his mind, former President and Nobel Laureate Jimmy Carter unleashed his disdain for the policies of the Bush Administration at his annual town hall gathering for students Sept. 24.

Thunderous applause broke out following Carter's answer to a student inquiring how he would advise Barack Obama should the Democratic contender become president.

Carter offered up a "to do" list for either Obama or Republican candidate John McCain that included telling the truth, being honest with the American people, championing human rights, forgoing torture, addressing global warming and channeling tax breaks to the poor.

"To summarize in one sentence: Do exactly the opposite of what has been done the last seven years," Carter said.

Please see **CARTER** on page 7



BRYAN MELTZ



BRYAN MELTZ



BRYAN MELTZ

Enquér, performed by an internationally renowned cirque-style cast, led audiences celebrating the campaign launch on a visual exploration of the origins, challenges and ultimate triumph of courageous inquiry and the transformative power of philanthropy.

NEW ONLINE AT EMORY.EDU

www.campaign.emory.edu

Coinciding with the public launch of Campaign Emory, the Campaign Emory Web site is now live and will serve as the Emory community's source for information about the University's \$1.6 billion fundraising endeavor.

"The stories on this Web site give you a small taste of what philanthropy can accomplish at this University," writes Sonny Deriso, volunteer chair of Campaign Emory, in a welcome message.

Visitors to the site can learn about how and why to support the campaign, and find ways to participate — whether through financial investments, social activities or volunteer opportunities. The site includes a campaign progress report, news about the campaign, answers to frequently asked questions and the goals and priorities of each school and unit.

www.graduateschool.emory.edu

The Emory Graduate School has a new online home. The site has a fresh look and a new and improved organization. Designed to be more dynamic, updates include feature stories about graduate education at Emory, with more and better calendar information, and with all the most up to date information about Graduate School activities.

EMORY PROFILE: George Armelagos



George Armelagos is Goodrich C. White Professor and chair of anthropology.

KAY HINTON

Getting skeletons to talk

Anthropologist bags bones and national award

By CAROL CLARK

George Armelagos' office is stuffed with books, papers and artifacts. An ancient human skull rests on a window ledge, tapestries brighten the walls and a cardboard box brims with T-shirts. Students pop in to excavate the box, digging for their sizes amid shirts printed with a cartoon skeleton and "Bone to be Wild."

"I like to give my skeletal biology students a memento," explains Armelagos, who teaches a seminar called "Reading the Bones of the Ancient Dead."

You can't talk to Armelagos long without encountering students, who frequently drop by to shoot the breeze with the Goodrich C. White Professor and chair of anthropology.

His ability to integrate research and teaching throughout his more than 40-year career is one reason he won the 2008 Franz Boas Award for Exemplary Service to Anthropology. The award is the highest honor given by the American Anthropological Association, with previous winners including the likes of Margaret Mead.

The son of Greek immigrants, Armelagos grew up outside of Detroit. He briefly attended medical school but soon committed to his first love of anthropology

at the University of Michigan, where Leslie White and others were igniting interest in a bio-cultural approach to the field.

While still a graduate student, Armelagos worked on a dig funded by the National Science Foundation in Sudanese Nubia, including human remains that dated back 500 to 10,000 years. "Every skeleton has a story to tell," says Armelagos. "You can learn how a person lived, and how they died."

He didn't restrict his analysis to individual skeletons, however, applying epidemiology and demography to study patterns of illness and death among populations.

This revolutionary approach to paleopathology led to a flurry of groundbreaking papers, and the discoveries keep coming. The amount of scholarship done by Armelagos and his colleagues have made the Sudanese Nubians the most studied archeological population in the world.

Working with his graduate students, Armelagos discovered tetracycline in the bones of the Nubians — the first documented case of ancient people consuming low levels of this naturally occurring antibiotic, which was likely generated by beer made from grain stored in clay pots.

Armelagos is a world expert on the impact of the

human diet on evolution. In 1980, he co-wrote "Consuming Passions," about the anthropology of eating, which was popular in book clubs and is referenced in classrooms to this day.

His work documenting the origin and spread of non-venereal syphilis in the Old and New World also garnered widespread interest, adding new clues in the debate over whether Columbus and his crew brought the devastating venereal variety of the disease home with them to Europe.

After joining Emory 14 years ago, Armelagos helped solidify the University's reputation as a national leader in the interdisciplinary, bio-cultural approach to anthropology. He is proudest of his work as a teacher, especially when he sees a student become passionate about research. The stellar record of Emory students going on to prestigious jobs in academia is one mark of the department's success.

Armelagos won't regale you with Indiana Jones stories. The reality of excavating ancient remains is far less glamorous, which helps explain his collection of air sickness bags, some of which are displayed in the anthropology lab.

"I used to get sick on flights all the time," he says, describing his early days on bumpy propeller planes. One of his

favorite bags shows a picture of a kangaroo holding open her pouch, with the caption: "For that clean feeling."

Armelagos sometimes uses one of the hundreds of bags in his collection to bring food to work. "No one has ever stolen my lunch," he says.

Stirring the pot for his students

"What's unusual about George is his extreme love and warmth for colleagues and students, combined with scholarly brilliance and unbelievable productivity," says Alan Goodman, immediate past president of the American Anthropological Association, and a former student of Armelagos, when he taught at the University of Massachusetts at Amherst.

"George's house was an extension of the classroom. People were always there, joking and talking about things they were writing," Goodman recalls. "At some point he would say, 'Well, we should have supper.' He's a fabulous cook. And then you realize that this person you idolize is listening to your ideas while cooking for you, feeding your mind, your soul — and your stomach."

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

STAFF WRITER
Carol Clark
carol.clark@emory.edu

EDITORIAL ASSISTANT
Leslie King
ltkking@emory.edu

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People

Oxford's Bonner Leaders focus on value of volunteer service



Oxford College's newest class of Bonner Leaders.

SPECIAL

By BEVERLY CLARK

Service has always been a part of Irene Mizuki's life, but becoming a Bonner Leader has taken that commitment to the next level. The Oxford freshman is part of the newest class for the service scholarship program at Oxford College that aims to connect students with long-term, dedicated community volunteer opportunities and leadership

development.

"Becoming a Bonner has made my passion for service that much stronger. People tend to forget everything that is going around them ... This has helped me really focus on things that are truly important and makes me take time to evaluate everything that's going on in the world and what I can do to help," says Mizuki, who is working as a tutor and mentor at the

Washington Street Community Center in Newton County. "I know that the kids that I'm working with don't have what I had and I hope that I can show them what they have the ability to do."

The Bonner Leaders program is a two-year commitment designed to heighten the overall education of students through ongoing service work and leadership training to develop the

tools and knowledge necessary to make their work meaningful and lasting.

"It gives students the opportunity to go beyond their comfort level and deepen their experiences," said Emily Penprase, coordinator of community service at Oxford. "They move from being simply volunteers, to taking on graduated levels of responsibility and expectations and essentially becoming staff members to the organizations they serve."

The Bonner Leaders program uses funds from federal work-study, AmeriCorps, and Oxford's Pierce Institute for Leadership and Community Engagement to create scholarship stipends for students who complete community service each week during their term of service. Students commit to 900 hours of service, and in return receive about \$9,000 over two years in scholarships and stipends.

Currently there are 22 Bonner Leaders at Oxford, and the first cohort from the three-year-old program is now at Emory, where many are continuing to stay committed to service and leadership in their community, Penprase says.

"This program has allowed me to open my eyes, and move out of a place of complacency and comfort, to actually see the needs around me," says freshman Jessica Screen, who is working in Indian Creek Middle School in Covington. "I find that many times we are bound by the four walls of a classroom and sometimes forget how to apply our knowledge to the outside world...With the economy upside-down and more and more people facing hard times, I'm hoping that I will be able to get out in the community and really be an agent of change."

APPOINTED

Laurie Blank will lead Emory Law's International Humanitarian Law Clinic and **Lawrence Sanders** will be acting director for the Turner Environmental Law Clinic for the 2008-09 academic year.

Blank served as program director for the IHL clinic last year.

Sanders has been a staff attorney for six years for the Turner Clinic.

Carlton Dampier, who specializes in the study and treatment of sickle cell disease, has been appointed as medical director of the School of Medicine's Office for Clinical Research.

Dampier also will be a professor in the Department of Pediatrics and assistant dean for clinical research in the School of Medicine.

Margery McKay has been appointed vice president for development for health sciences. McKay previously served in the interim role.

She was most recently senior associate vice president for the School of Medicine.

Gregory L. Riggs '79L, former senior vice president and general counsel for Delta Air Lines, has been appointed as associate dean of student affairs and community engagement for Emory Law, beginning Oct. 1.

Robert A. Swerlick is the new chair of the Department of Dermatology. Swerlick, who joined the School of Medicine faculty in 1988, had served as interim chair since April 2007.

Swerlick will also serve as chief of Dermatology Services for Emory Healthcare.

Dona Yarbrough is the second director of the Center for Women at Emory. Before coming to Emory, she was the director of the LGBT Center and a part-time faculty member in Women's Studies at Tufts University in Boston.

"Appointed" is an occasional column announcing key hires and promotions at Emory University.

AmeriCorps arm jumpstarts learning

By ELIZABETH ELKINS

This fall, Emory begins a new partnership that pairs University students with underprivileged preschool-aged children from underserved Atlanta communities through Jumpstart, a nonprofit early education organization. Emory joins more than 70 campuses nationwide in this effort to build the social, emotional and literacy skills of children of low-income families.

Jumpstart volunteers will learn teaching skills, and can earn federal work-study dollars as well as a \$1,000 AmeriCorps education award. The program aligns closely to Emory's strategic themes of engaged scholarship and community involvement. During the program's Sept. 17 kick-off event, Emory Trustee Laura Hardman '67C emphasized the perfection of the partnership.

"Jumpstart is results-based and research-driven," she said. "It constantly seeks innovative methods to achieve goals, much like we do at Emory. As a University, we strive to engage community in meaningful ways.

"This program is transformative for both the volunteers and the children," Hardman continued. "There is no better way to learn about oneself than through teaching. It is what former president James T. Laney called 'education of the heart.' This program helps turn our students into leaders who make decisions with their hearts as well as their minds to create positive change within the community."

More than 30 students have already signed up for Jumpstart, including team leader Ebbie Njoku. Njoku, a senior political science major, spent her first three years at Emory volun-

teering with 5- to 12-year old refugees.

"Preschoolers drew me to Jumpstart," she says. "This is an amazing chance to build my education, and to reach a new age group. Seeing the children progress from not being able to read and being completely disinterested in learning to being engaged and excited about learning is very exciting to me."

This school year, Njoku and her peers will each spend at least 300 hours with their mentee, a child from Sheltering Arms Dunbar Center at Cook Elementary or Sheltering Arms Dorothy Arkwright Center. There, they will focus on creating a strong foundation of language, literacy and initiative skills with their child.

"The early childhood education aspect of Jumpstart is very important to Emory," explains Cynthia Shaw, assistant dean of

Want to volunteer?

Faculty and staff interested in volunteer opportunities may call Emory Jumpstart Site Manager Elise Albrecht at 404-727-2854 for information.

Interested students may join the waitlist for the popular program by applying online at www.jstart.org/apply.

Campus Life and director of the Office of Student Leadership and Service. "Emory has done work with high schools and elementary schools, but this is a unique opportunity. We can impact children when they are 3 and 4 years old, when they are little sponges. At that age, they want to get it right and they have such energy."

NEWSMAKERS

"What you are seeing is panic behavior... Not everyone had the impulse response that because of a hurricane you needed to get gas. But when you see other people doing that, you start to question your view of the facts."

— **Gregory Berns, Emory Distinguished Chair of Neuroeconomics, in "Analysis: Fear driving gas shortage" in the Atlanta-Journal Constitution, Sept. 23.**



CAMPAIGN EMORY

CAMPAIGN: Advancing our strengths

Schools and units campaign goal

Campus Life	\$5 million
Candler School of Theology	\$60 million
Emory College of Arts and Sciences	\$110 million
Emory Graduate School	\$10 million
Emory Hospitals and The Emory Clinic	\$305 million
Emory Law	\$35 million
Emory School of Medicine	\$500 million
Emory Libraries	\$27 million
General University	\$133 million
Goizueta Business School	\$75 million
Michael C. Carlos Museum	\$35 million
Nell Hodgson Woodruff School of Nursing	\$20 million
Oxford College	\$40 million
Rollins School of Public Health	\$150 million
Woodruff Health Sciences Initiatives	\$65 million
Yerkes National Primate Research Center	\$30 million
Total	\$1.6 billion

Campaign Progress

\$838

MILLION

TOTAL GOAL
\$1.6 BILLION



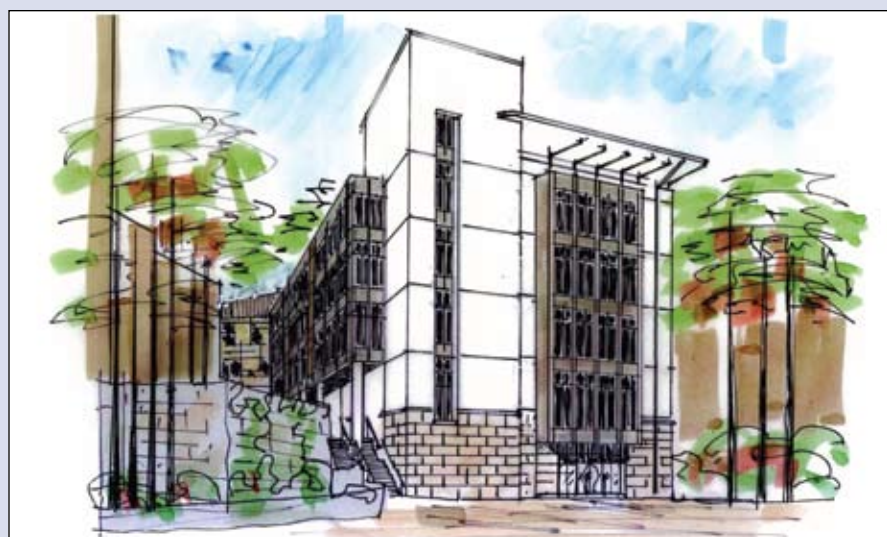
For information
on Campaign
Emory, go to
www.campaign.emory.edu.

Supporting excellence



KAY HINTON

Campaign Emory will support talented faculty members like Kenneth Carter '87Ox-'89C, associate professor of psychology at Oxford College. Known for creative approaches to teaching, Carter uses everything from YouTube videos to old-fashioned case studies in his efforts to engage students. He has created a program to guide student research assistants as they prepare systematic reviews of psychiatric medicines — reviews read by physicians worldwide. Using knowledge to help others is an Oxford tradition and a central part of Emory's strategic plan.



SCHEMATIC DESIGN CONCEPTS

A new psychology building is part of Emory's ambitious construction program, along with an addition to the chemistry building. Emory also will build new facilities for the library, Oxford College, Rollins School of Public Health, Candler School of Theology, and The Emory Clinic. As Emory works to create an additional 3.5 million square feet of space for research, patient care, student life and academic programs, it promotes an environmentally sustainable, healthy campus.

Continued from the cover

Ben Johnson '65C, a partner in the Atlanta-based law firm Alston & Bird and longtime chair of the Emory Board of Trustees, told the gathering: "This is Emory's moment. We have a magnificent, daring strategic plan. We have the right leadership team. We have outstanding faculty and brilliant students in every part of the University. We are ready to step forward boldly, knowing that this will require a commitment unequalled in Emory's history."

During the evening, Emory Alumni Board president Crystal Edmonson '79C highlighted stories of gifts that have helped bring Emory to its current standing and which have launched Campaign Emory in spectacular fashion.

Among those donors were Robert and George Woodruff and the Woodruff Foundation, whose \$105 million gift to Emory in 1979 "was truly the moment when the University began to define itself differently," Edmonson said. Recently, the foundation gave \$240 million toward the construction of a new state-of-the-art Emory Clinic, designed to provide the best health care available anywhere.

Edmonson also praised Thalia and the late Michael Carlos, whose gifts have transformed the Michael C. Carlos Museum into one of the most prominent university museums in the country.

Emory has an amazing history of support from some of the most prominent philanthropic families in the state,

Edmonson said. Continuing the legacy of patriarch O. Wayne Rollins, the Rollins family has given more than \$51 million to Campaign Emory, including funds to construct the school's new Claudia Nance Rollins Building.

Other donors also were recognized for the impact of their support — from groundbreaking cancer research and scholarships to legal services for Hurricane Katrina victims.

Wagner says there are many more stories to be told of the importance and the impact of philanthropy on the University.

"You have only to look around Emory — at the construction under way, the recruitments, our new library collections — to know that we are fortunate to have had the private support that has made Emory what it is today. But we must keep asking: Are we good enough? Should we stop here? Or continue to step past our comfort zone? At the end of the campaign in 2012, Emory will be at a different place. A better place. To do that will take vision and courage."

Scheduled to run through 2012, the campaign will be led by trustee Sonny Deriso '69C-'79L and will help transform Emory's campus and catapult its programs to a higher level. The goal includes major support for faculty, students, programs and facilities throughout Emory's nine undergraduate and graduate schools and the University's major operating units, including Emory Libraries, the Carlos Museum, Yerkes National Primate Research Center, Emory Hospitals and The Emory Clinic.



SPECIAL

Cletis Allen of Chicago, Ill., plans to become a pediatric nurse. One of six children, she is able to attend Emory because of Emory Advantage. Among the campaign's leading priorities, Emory Advantage is a new initiative that eliminates or caps need-based debt for families with incomes of \$100,000 or less. The program makes it possible for any qualified student to earn an Emory education and fosters an economically and culturally diverse community of scholars.

Campus

5

REPORT FROM: The Carter Center

Ambitious goal to end blindness-inducing disease

Conventional wisdom says trachoma — the leading cause of preventable blindness worldwide — can only be treated, not eliminated. But Teshome Gebre, The Carter Center's point man for trachoma control in Ethiopia, hopes to defy that wisdom. He is convinced that trachoma's blinding and debilitating effects can be stopped before the end of the next decade, the targeted goal for global trachoma elimination.

"We cannot wait until 2020," he says. "We can do it much earlier, and we are going to show the world it can be done."

Gebre's confidence stems from the significant recent achievements he has seen take place in trachoma treatment and prevention. To date, The Carter Center has supported

the construction of nearly 610,000 pit latrines and the distribution of more than 10 million doses of the antibiotic azithromycin across six African countries.

The drugs treat active cases of trachoma, and the toilets target unsanitary conditions that help the disease spread.

"We can't believe it," Gebre says of the latrine boom. "A sustained effort, without giving up, made the difference. A boom in one district caught on in another. Then it was just like fire — it just went on."

Today, that fire continues in some of the most trachoma-endemic areas, including Ethiopia's rural Amhara Region. There, with instruction from Carter Center-trained local volunteers, many families are building their own latrines and learning to practice better

hygiene, such as washing the face and hands.

These simple lifestyle improvements counteract the spread of trachoma-causing bacteria through contaminated materials and black flies that land near the eyes. The latrines reduce the fly population by eliminating their breeding grounds — exposed human feces.

In Ethiopia, alone, where an estimated 1 million people suffer from severe trachoma — called trichiasis — The Carter Center has overseen the construction of more than 350,000 latrines since 2004 with help from its partners, the Conrad N. Hilton Foundation and Lions Clubs International Foundation.

The latrines are part of the four-pronged approach to trachoma control that includes

eye surgery, antibiotics, face and hand washing, and other improvements in sanitation.

Gebre and other leaders expect to see fewer cases of trichiasis which can cause eyelashes to turn inward and scrape the eye, leading to irreversible blindness. But the most dramatic and unexpected outcomes of the trachoma control strategy relate to women, who are three times more likely than men to develop blinding trachoma due to their frequent contact with children, the main reservoirs of infection.

As improved sanitation reduces the incidence of trachoma, many women are able to fulfill their responsibilities to their families and communities without impairment from the disease's effects.

And, in cultures that have traditionally required women to wait until darkness to defecate, latrines now give women the freedom to relieve themselves when they choose.

"In short," says Gebre, "what we are doing is empowering women, empowering people, empowering communities."

As the sense of empowerment continues to grow, particularly among women, it is evident on the clean and shining faces of Ethiopian children. Their smiles reflect hope that they may see the end of trachoma's ravaging effects in their lifetimes, a reality The Carter Center and its international partners are committed to fulfilling.

Provided by The Carter Center Office of Public Information.

WAGNER: 'People investment,' Campaign success top priorities



The state of the University is "very good," summarized President Jim Wagner.

BRYAN MELTZ

circumstances may slow the pace of progress, they must not keep Emory from advancing toward its vision. He stressed two priorities: Working to ensure that Emory's investment in people stays at the highest levels possible, and striving for the success of Campaign Emory, which is vital to prepare the University for future challenges.

"I can think of no other group with whom I would rather face these realities, in whom I have more confidence in the ability to answer our noble calling to become a destination university," Wagner said, praising the spirit of community on campus.

This year's freshman class at Emory College comes from the largest, most highly credentialed, pool of applicants ever. Oxford College also had "an amazing year," Wagner said, experiencing a 68 percent increase in applications. Yerkes, the School of Medicine and the School of Nursing netted significant increases in research

funding over the past year, "all during a time when available NIH funding nationally has been flat," Wagner said.

Morale is high, he added. Recently, the Chronicle of Higher Education recognized Emory as one of the nation's "Great Colleges and Universities to Work For" and a shared commitment to sustainability brought the University the honor of being selected Georgia's "Conservationist of the Year."

Among the "astonishing array" of the University's other achievements during the past year, Wagner cited:

- As the strategic plan continues its momentum, Emory College launched a Center for Creativity and the Arts; the University received a \$3 million gift from The Coca-Cola Foundation to support the Emory Advantage Program and service projects; a Center for Faculty Development and Excellence was launched; eminent scholars joined Emory; and

State of the University replay

View the Web cast of the State of the University address at: www.emory.edu/home/multimedia/

distinguished faculty members received national recognition.

- The University experienced its highest ever enrollment of international scholars, up 16 percent, along with the highest participation by students for study abroad.

- Two state-of-the-art "green" dormitories opened for Emory freshmen; Oxford opened a new residential center; and the Candler School of Theology and the Center for Ethics are dedicating a new building.

- The communications and marketing team launched a new Emory Web site and stepped up other efforts to make Emory's goals and achievements more visible. As a result, Emory ranked third among all universities in the nation for its media momentum, "a sign that the world is taking note of the results of our shared work," Wagner said.

Emory's commitment to be engaged, collaborative and compassionate means going beyond seeking cures in health care or completing assignments in classrooms, Wagner stressed. "Our commitment to both excellence of mind and greatness of heart is unusual if not unique among major research universities. In this exciting and dynamic period in our history, we must continue to demonstrate that these aims are complementary."

Emory financial team monitors economic climate

By NANCY SEIDEMAN

As President Jim Wagner noted in his State of the University address, Emory's financial team is working to ensure that the University's economic condition remains as strong as possible.

Chief Investment Officer Mary Cahill was in New York early this week to meet with investment managers, traders and other financial consultants to assess the current market situation and long-term implications for the University.

"We want to be on the scene in-person to talk with financial leaders and receive the most up-to-date information on the market," said Cahill. "I think political and financial oversight leaders are acting quickly to try to get the nation's economy back on track. And at Emory we're staying the course in our long-term investment management, albeit making some changes around the edges to reduce risk."

The current volatility of the market is having an immediate impact not only on the University's investment portfolio, but also on the debt side, specifically in the variable bond market, which has experienced an extraordinary spike in interest rates affecting the amount of interest Emory pays for its debt. That, coupled with the decline in equities, will have an impact on how much new debt Emory can take on to fund construction expenses.

In the short-term, according to Executive Vice President for Finance and Administration Mike Mandl, the University can expect that:

- Deterioration in the investment and bond markets will

likely push back the timing on several campus projects that are in various stages of design, but will not slow projects that are already under construction.

- Emory's endowment will have a decline for fiscal year 2008, which ended Aug. 31. This is due to the national downturn in the investment market, with negative returns not producing asset growth to cover annual spending from the endowment. Emory Report will provide full coverage of the University's endowment picture for the short and long term when the annual endowment survey published by the National Association of College and University Business Officers is released in mid-November.

- At the same time, short-term interest rates on Emory's operating cash investments are at historic lows, reducing the amount of income that supports the operating budget of the University.

"This confluence of external economic conditions makes it all the more important for investment and philanthropic support from our partners, friends and alumni to maintain Emory's excellence," said Mandl. "Along with success in Campaign Emory, we will continue to align our limited resources to ensure we attract and retain the very best faculty, students and staff to maintain Emory's trajectory."

"It is important to keep in mind that the climate we are weathering is shared generally throughout the country in most not-for-profit as well as corporate sectors, and certainly for most of higher education. Confronting the economic realities from a position of relative strength is still an advantageous place to be."

JUST PUBLISHED

Songbird study tracks effects of hormones



"We are seeing how estrogen changes the big picture as the brain processes social information," said Donna Maney (right), assistant professor of psychology.

KAY HINTON

By CAROL CLARK

Why is your mate's rendition of Marvin Gaye's "Let's Get it On" cute and sexy sometimes and so annoying at other times?

A songbird study conducted by an Emory neuroscientist sheds new light on this question, showing that a change in hormone levels may alter the way we perceive social cues by altering a system of brain nuclei, common to all vertebrates, called the "social behavior network."

"Social behaviors such as court-

ship, parenting and aggression depend primarily on two factors: a social signal to trigger the behavior, and a hormonal milieu that facilitates or permits it," says Donna Maney, who led the study. "Our results demonstrate a possible neural mechanism by which hormones may alter the processing of these signals and affect social decision-making."

Maney's research examines how genes, hormones and the environment interact to affect the brain, using songbirds as a model. Her work helps provide

an understanding of the basic principles underlying brain structure and function common to many species, including humans.

Maney led a previous study on white-throated sparrows that suggested hormones may modulate the way the auditory system processes courtship signals.

The new study, published in the current issue of the *Journal of Comparative Neurology*, expands on that research, tracking and quantifying the effects of hormones across nine differ-

ent nodes of the brain's social behavior network.

The research group treated female white-throated sparrows with estrogen, to mimic the levels seen during the breeding season, and compared them with females that had low, non-breeding levels of estrogen. The birds listened to recordings of either male white-throated sparrow song (a courtship signal that should command the attention of breeding females) or synthetic beeps (which should be pretty boring for all the females).

The researchers then used a marker of new protein synthesis to map and quantify the activity in the social behavior network that was induced specifically by song.

Across most of the network, song-specific neural responses were higher in the "breeding" females than the "non-breeding" ones. But the effects of estrogen were not identical in every region.

"If every node in the network just responded more in the presence of estrogen, then we'd conclude that estrogen acts as an on-off switch," Maney says. "But what we're seeing is more complicated than that. Some activity goes up with estrogen, and some goes down. We are seeing how estrogen changes the big picture as the brain processes social information."

The findings suggest that the perceived meaning of a stimulus may be related to the activity in the entire social behavior network, rather than a single region of the brain. "The same neural mechanism may be operating in humans," Maney says.

"In women, preferences for male faces, voices, body odors and behavior change over the course of the menstrual cycle as estrogen levels rise and fall. Our work with these songbirds shows a possible neural basis for those changes."

Maney is assistant professor of psychology and a member of the Graduate Program in Neuroscience at Emory. Her research is funded by a CAREER award from the National Science Foundation. Coauthors of the paper include Emory researchers Chris Goode, Henry Lange, Sara Sanford and Benjamin Solomon.

Cardiac emergency study indicates survival chances

By LANCE SKELLY

When cardiac arrest patients cannot be resuscitated by emergency medical services in the field, lifesaving attempts to race them to a nearby hospital via ambulance often prove to be futile, say Emory researchers in the Sept. 24, *Journal of the American Medical Association*. In addition, the effort potentially increases danger to other drivers, pedestrians and the EMS professionals themselves.

The project and findings were based on the Emory-initiated CARES (Cardiac Arrest Registry to Enhance Survival) program.

"The study, which involved 19 EMS agencies and 111 hospitals in eight cities, helped us to identify those patients who have had an out-of-hospital cardiac arrest, and then determine which patients had the best chance of survival

and which patients had little chance," says co-lead investigator Bryan McNally, assistant professor of emergency medicine.

Co-author Arthur Kellermann, associate dean for health policy and professor of emergency medicine, says, "While the science of medicine and technology has advanced to the point where we know what it takes to get that heart started, the fact remains that by the time EMS arrives, it may already be too late. At that point, the critical decision has to be made as to whether we stop and recognize the sad fact that the individual will not survive."

McNally says he hopes the findings will help change the process of transporting patients to a hospital when there is no hope of survival for the patient.

Emory garners record \$411M in 2008 research funding

By HOLLY KORSCHUN

Emory scientists attracted \$411.2 million in funding from external sponsoring agencies in fiscal year '08. External research funding — the most of any university in Georgia — topped \$400 million for the first time, rising 7 percent over last year. Research funding increases have averaged 8 percent the past three years.

Federal funding, at \$300.2 million, was responsible for approximately 73 percent of the research awards. Funding from the National Institutes of Health was \$251 million.

"Emory scientists continue to excel in their ability to attract research funding and to serve society through the discoveries that result from that support," says President Jim Wagner. "I am extremely proud of our outstanding faculty and staff and their national research leadership."

The Woodruff Health Sciences Center received more than \$387.5 million, or 94 percent of the total. School of Medicine funding grew by 10 percent over last year; funding to Yerkes National Primate Research Center grew by 13 percent; and funding to the School of Nursing grew by 8 percent.

"Emory investigators have worked extraordinarily hard to earn these competitive research grants," says Fred Sanfilippo, executive vice president for health affairs and CEO of the Woodruff Health Sciences Center. "The quality and promise of their research and their scientific teams is reflected in this impressive funding accomplishment, which continues to transform health and healing for our patients."

"Emory research funding has grown at a very impressive rate among national institutions, even in this era of flat NIH budgets and a difficult economy," says

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— David Wynes, vice president for research administration

David L. Wynes, vice president for research administration.

"Notably, many of our research grants this year were based on collaborative projects with other institutions including Morehouse School of Medicine, Georgia Tech and Children's Healthcare of Atlanta. Support from the Georgia Research Alliance also was a key factor in attracting research funding."

Forum

FIRST PERSON

Open access: Removing barriers benefits all

By RICK LUCE

When I've been asked why I support open access, my first thought is: Because it makes sense. We write to be read and to influence, and the best way to do that is by making our work easily accessible.

Open access to digital content removes barriers to access and use. Barriers to access include subscription fees and licenses. Barriers to use include restrictive terms of licenses and restrictions on re-use and sharing. Open access makes scholarly research available to anyone, anywhere. This increased availability can also increase readership and influence.

Why do I believe it's important to remove these barriers? The Internet has changed research — not only how we search for knowledge, but also in enabling collaboration and supporting the exploration of primary data and data sets.

The Internet enables not only linking digital content together, but also enables us to easily make connections between previous, and perhaps seemingly unrelated, knowledge to form new ideas. The power of exploiting this interconnectivity relies on open access — the removal of barriers to both access and the use of knowledge.

Faculty rely, in varying degrees, on libraries to provide access to tollgate digital content — electronic journals, databases, eBooks, images, etc. — as well as print content. But no library can afford to buy everything that is needed. This was true long before the Internet, but now we live in a globally connected world. Should we remain passive about access to knowledge based on ability to pay, or can cost barriers be removed?

These questions were the impetus for the Conference on Open Access to Knowledge in the Sciences and Humanities in Berlin in October 2003, which I was privileged to co-organize.

The result was the Berlin Declaration, which asked organizations to support the transition to open access by encouraging researchers to publish their work in open access publications, to

Rick Luce is vice provost and director of libraries.

support making cultural heritage resources available via the Internet, to develop ways of evaluating open access contributions, to advocate the recognition of open access publications in promotion and tenure evaluation, and advocating contributions to open access infrastructure.

In the five years since the Berlin Declaration, I've seen shifts toward open access, and noted a few stumbling blocks still in place. The number of open access journals is now over 3,500, according to the Directory of Open Access Journals.

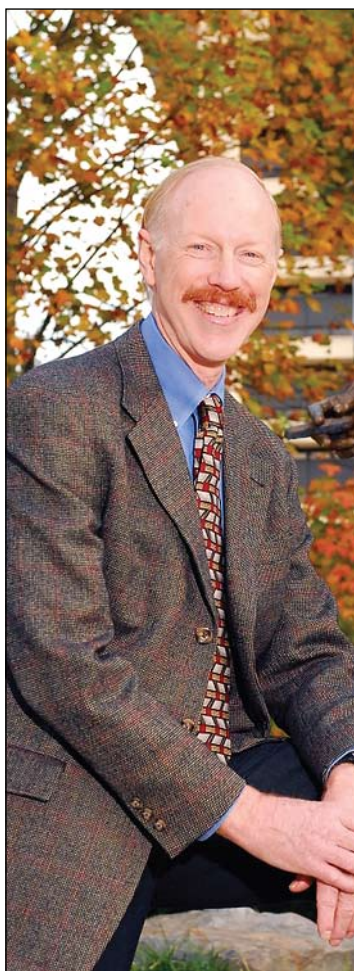
Two of those journals are affiliated with Emory. Molecular Vision, supported by the Emory Eye Center, is a peer-reviewed, online journal dedicated to the dissemination of research results in molecular biology, cell biology, and the genetics of the visual system.

Southern Spaces, supported by the University Library, is a peer-reviewed, online journal exploring the real and imagined places of the American South and their connections with the wider world.

These peer-reviewed open access journals are leaders in their fields and demonstrate that breaking down barriers to access doesn't have to sacrifice quality. The perception that open access journals never have the same academic rigor as print or subscription electronic journals is a stumbling block still to be overcome, especially in tenure and promotion decisions.

Many universities are creating institutional repositories that provide open access to the intellectual output of the university. At Emory, thesis and dissertations will be submitted, preserved, and distributed electronically as open access.

This new approach, called electronic theses and dissertations (ETD), was piloted this past year. Although some ETDs will not be immediately distributed — such as when the research may result in a patent — open access to ETDs showcases the work of our graduates.



Rick Luce

SPECIAL

On a national front, the National Institutes of Health Public Access Policy became effective in April. This law requires articles resulting from NIH grant funding to be deposited in PubMed Central, the NIH's free digital archive of biomedical and life sciences journal literature. This law has resulted in more than 3,000 new articles being deposited in PubMed Central each month.

The policy behind this law is that the public should have access to publicly funded research. Some publishers claim this law is a threat to their traditional subscription and license models.

One publisher complaint is that the availability of articles in PubMed Central allows for interconnectivity of content among the suite of products offered with PubMed that the individual publishers can't provide. Isn't this

increased availability and exposure good for authors? Isn't rapid and unfettered discovery of interconnected relationships good for research?

Which brings me back to whether or not the subscription barriers can be removed. Is it possible to have open access to all the digital content a researcher may need? What about subscription journals? Producing a journal costs money, and other than charging author fees, publishers don't have an economic model for making journals freely available through open access.

As an international experiment, there is an alternative funding model for high energy physics journals called SCOAP3. Under SCOAP3, rather than libraries paying publishers so that only their users can access these journals, libraries will negotiate collectively to pay publishers a fixed price to produce these same journals as open access journals.

Why would libraries agree to this? Why did I pledge support for SCOAP3? Because it makes sense.

It makes sense that the widest possible access to research accelerates future research and discovery. It makes sense that libraries individually can't, and never will be able to, buy all the digital content their community needs — but collectively we can begin to remove barriers to that content — not just for our communities, but for the world. It makes sense that research, based on *all* available knowledge and not just knowledge accessible to only those who can afford it, benefits us all.

Although SCOAP3 covers only high energy physics, it can serve as a model for communities of researchers in other fields. There are still barriers to a move to open access, both perceived and real. But the move to open access is happening — internationally, nationally and locally.

While pondering open access, consider that Oct. 14 is International Open Access Awareness Day. I think I'll celebrate by sharing an open access article in Southern Spaces with a colleague. What will you do?

SOUNDBITES

'Artists & Critics' dish over lunch

Following the Emory visit of New York Times film critic A.O. Scott and director, screenwriter and actor Todd Field as part of the "Artists & Critics" series sponsored by the Fox Center for Humanistic Inquiry, the Center for the Study of Public Scholarship and the Center for Creativity and the Arts, the duo dished on the industry at a lunch gathering.

Fields said he can spend six to eight months in post-production for a film, often mixing different visual and audio takes to create the best scene. When asked if his contract specifies the amount of supervision he exercises in post-production, he quipped, "No, I just exhaust people."

Although Scott shared a funny encounter with Angelina Jolie at the Cannes Film Festival ("They put a reviewer at this table?"), he said feels the need to distance himself somewhat from people within the industry. When writing reviews, the audience he has in mind can include readers, friends and "my grandfather."

— Beverly Clark

Green chemistry gets good reaction

"Sustainability is not just hugging a tree — it's getting everyone to hug a tree," said Charles Liotta, chair of chemistry at Georgia Tech, during a recent talk sponsored by ChEmory, Emory's undergraduate chemistry club. Green chemistry is an important component of sustainability, said Liotta, who described his research into solvent systems to help prevent waste in industry.

"We're staying away from the classical solvents and trying to be very innovative," he said. Although many of the solvent systems his team is developing may never be used in industry, "they are very useful in sparking new ways to think about solvents," Liotta added.

— Carol Clark

Honoring an HIV vaccine pioneer

Leaders in the HIV vaccine field gathered Sept. 19 at Yerkes to honor Harriet Robinson, who was microbiology/immunology chair at Yerkes and a pioneer in the development of DNA vaccines in the 1990s.

HIV vaccine researchers have been re-evaluating their approaches since last year's failure of a large international clinical trial called STEP.

Robinson's "prime-boost" vaccination strategy is being developed by the Atlanta company GeoVax, where she is now chief scientific officer. That strategy may be important in future efforts, speakers said.

"Harriet embodies tenacity, and tenacity is what we need to have a HIV vaccine," said Rafi Ahmed, director of the Emory Vaccine Center.

— Quinn Eastman

CARTER: Talks politics and peanuts at town hall

Continued from the cover

The event was Carter's 27th annual town hall since becoming a distinguished professor at Emory in 1982 and founding The Carter Center devoted to promoting human rights.

Carter told the students spilling into the bleachers of the WoodPEC arena that he looked upon the town halls with trepidation because of the toughness of their questions.

But several were softballs that Carter hit out of the park, including one inquiring if the peanut farmer from Plains actually liked peanuts.

"I like to plant peanuts. I like to grow peanuts. I like to sell peanuts. I like to eat peanuts of all kinds," he said.

Carter, who turns 84 next month, then attributed his robust health to his wife Rosalynn's companionship and to peanuts.

During the hour-long town hall, Carter's answers often were met with enthusiastic claps and cheers. He drew silence, however, after stating his belief that the drinking age should not be lowered to 18.

Carter, who was elected as the 39th president to a single term in 1976, referred to his presidency as "those ancient

days." Nevertheless, students sought his insight on some of the most pressing domestic and international problems of the day, including this country's financial crisis, the turmoil in the Middle East and human rights abuses in North Korea.

Time and again, Carter pointed his finger at the current administration for causing or stoking those problems. He said the United States' dependence on foreign oil is "primarily because the Bush Administration and others before them have gone to bed with the oil companies and the automobile companies."

Nevertheless, Carter called the United States "the greatest

nation in the world" and offered hope that it will right itself and that future generations will live better than today's.

When asked who will prevail in November's presidential election, Carter, an Obama supporter, responded: "It depends on whether or not my prayers are answered."

Following the town hall, Theron Patrick, a freshman from Massachusetts, said he had been surprised by the thickness of Carter's Southern drawl and his ability to address complicated issues in such a down-to-earth way. Patrick also commended Carter for his willingness to take on the current administration.

Items are compiled from the University's master calendar, Events@Emory, and from individual submissions to Emory Report. Submit events at least two weeks prior to the publication date at emory.edu/home/events or christi.gray@emory.edu. Listings are subject to space limitations.

ADVANCE NOTICE

Carter forum on U.S. energy issue

America's energy problem is the topic of a Carter Center forum on Thursday, Oct. 2, from 3 p.m. to 5 p.m.

Emory faculty, staff and students interested in learning about the issue are invited to join state and local politicians and community members from around the state for a non-partisan discussion of "choices for an uncertain future."

The Office of Student Leadership and Service, a sponsor, is providing shuttle service from the bus stop between the Dobbs Center and School of Medicine at 2:15 p.m. to return by 5:30 p.m. Space is limited; e-mail Matt.Garrett@emory.edu to reserve a slot.

Other sponsors include the Jimmy Carter Library and Museum.

Silent kung fu film set to music

Martial arts, silent film and contemporary music combine in a free screening of "Red Heroine" (1929) with live musical accompaniment by the Devil Music Ensemble on Sunday, Oct. 5 at 7:30 p.m. in White Hall 208. "Red Heroine" is the only surviving Chinese silent kung fu film. The score that the Devil Music Ensemble has composed pulls from the traditions of Chinese classical and folk music, as well as soundtracks from classic kung fu cinema, and is the only modern score made expressly for this film.

The screening is co-sponsored by the Emory College Center for Creativity & Arts, the Department of Film Studies, the Department of Russian and East Asian Languages and Cultures, the Confucius Institute of Emory University, the Department of Theater Studies and the Department of Music.

For information visit www.filmstudies.emory.edu.

De Waal talk on morality, behavior

Survival requires a cohesive and cooperative group, posits Frans de Waal, who once wrote: "As a species, we evolved for a complex give-and-take — not take, take, take."

The director of the Living Links Center at Yerkes National Primate Research Center, de Waal will be giving a talk titled: "Is Man a Wolf to Man? Morality and the Social Behavior of our Fellow Primates," on Thursday, Oct. 2 at 4:15 p.m. in White Hall 205.

The Department of Philosophy is sponsoring the talk by de Waal, who is also the C.H. Candler Professor of Primate Behavior.

Athletics

Wednesday, Oct. 1

Men's Soccer v. Oglethorpe University. 7 p.m.*

Saturday, Oct. 4

Women's Soccer v. University of Chicago. 11 a.m.*

Friday, Sept. 26

Men's Soccer v. University of Chicago. 1:30 p.m.*

*Woodruff P.E. Center. Free. 404-727-6447.

Film

Monday, Oct. 1

"Metropolis." 8 p.m. 205 White Hall. Free. 404-727-6761.

Performing Arts

Tuesday, Sept. 30

"Stories From the Tale of Heike." Yoko Hiraoka, Japanese lute, performing. 7 p.m. Performing Arts Studio. Free. martha.shockey@emory.edu.

Thursday, Oct. 2

The Comedy of David Ives. 7 p.m. Theater Lab, Schwartz Center. \$18; \$14 discount categories; \$6 students. 404-727-5050. Also Oct. 3 at 7 p.m and Oct. 5 at 2 p.m.

Religion

Sunday, Oct. 5

University Worship. Jessica Terrell, preaching. 11 a.m. Cannon Chapel. Free. 404-727-6225.

Seminars

Monday, Sept. 29

"Under the Shadow of Good Health: That Saga of a Black Transnational Family." Leroy Davis, Emory African American studies, presenting. Noon. 207 Candler Library. Free. amallen@emory.edu.

Wednesday, Oct. 1

Gynecology and Obstetrics Grand Rounds: "Research." 8 a.m. Steiner Auditorium, Grady Hospital. Free. claire.hackworth@emory.edu

Luminaries in the Arts and Humanities Series: "Evolution of Communities of Knowledge." Pauline Yu, President of the American Council of Learned Societies, presenting. 5 p.m. Jones Room, Woodruff Library. Free. 404-727-7134.

Thursday, Oct. 2

Physiology Seminar. Sun Ok Yoon, Ohio State University, presenting. 9 a.m. 600 Whitehead Building. Free. 404-727-7401.

Carter Center for National Issues Forum: "The Energy Crisis." 3 p.m. The Carter Center Free. matt.garrett@emory.edu

emory.edu. Shuttle available from Dobbs Center at 2:15 p.m.

"AntiquiTEA." James Meyer, Emory art history, presenting. 4 p.m. Carlos Museum. Free. 404-727-4291.

"What Do We Want to Learn When We Study Buddhist Ethics?: Moral Anthropology and the Cross-Cultural Study of Ethics." Charles Hallisey, Harvard Divinity School, presenting. 4:30 p.m. C201 Callaway Center. 404-727-7526.

Uterine Fibroid Embolization Seminar. 6:30 p.m. Glenn Auditorium, Emory Hospital. Free. 404-778-7777.

Friday, Oct. 3

TUTORial. Flora Anthony, Emory Egyptian art history, presenting. 7 p.m. Carlos Museum. \$10; \$8, Carlos Museum members. 404-727-4291.

Saturday, Oct. 4

Tour of Atlanta's New Hindu Temple. Joyce Flueckiger, Emory religion, presenting. 2:30 p.m. \$15, Carlos Museum members; \$20, non-members. 404-727-4280. Bus departs from Carlos Museum. Registration required.

Sunday, Oct. 5

Ellmann Lecture: "Confessions of a Young Novelist: How I Write." Umberto Eco, author, presenting. 4 p.m. Emerson Hall, Schwartz Center. Free. 404-727-5340. Reception to follow.

Special

Tuesday, Sept. 30

Farmer's Market. 11 a.m. Cox Hall Bridge. Free. 404-727-6734.

Wednesday, Oct. 1

Toastmasters @ Emory. 8 a.m. 231 Dental School Building. Free. 770-317-6285.

Take Back the Night-Speak Out and Rally. 5 p.m. Dobbs Center. Free. arafi@emory.edu.

Visual Arts

Now Showing

"Bringing the War Home: Photographs by Martha Rosler." Emory Visual Arts Gallery. Free. 404-712-4390. Through Oct. 7.

"From GW to GW: Presidents, Politics, and Primaries; also, Presidents, Politics and Powers." Levels 2 and 3, Woodruff Library. Free. 404-727-0136. Through Nov. 15.

"Latin American Posters: Public Aesthetics and Mass Politics." Schatten Gallery, Woodruff Library. Free. 404-727-0136. Through Dec. 14.

"Big Shots: Andy Warhol's Polaroid Portraits." Carlos Museum. \$7 donation; free, Emory students, faculty and staff. carlos.emory.edu. Through Dec. 15.

EMORY ARTS

Experience Beethoven for cello, piano

Grammy-winning cellist Sara Sant'Ambrogio joins Mary Emerson Professor of Piano William Ransom for "Beethoven's Complete Works for Cello and Piano," a two-part Emory Chamber Music Society of Atlanta Emerson Series concert (Oct. 3-4, 8 p.m., Schwartz Center, \$20; \$15 discount categories; free, students). These highly skilled musicians will present music created by the brilliant composer throughout a 20-year period that offers a musical range from serene and formal to expressive and groundbreaking. Sant'Ambrogio leapt to international attention winning the 8th International Tchaikovsky Violoncello Competition in Moscow. She was a founder of the Eroica Trio and performs throughout the world as soloist and with orchestras. Ransom founded and directs the ECMSA. For tickets and more information: 404-727-5050 or www.arts.emory.edu.

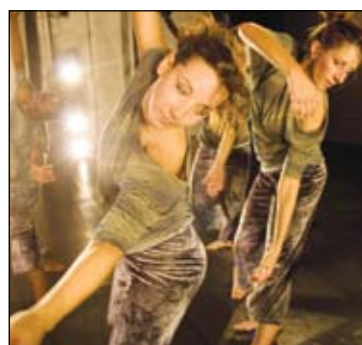


Sara Sant'Ambrogio SPECIAL

Emory dance program to dazzle

Emory Dance Program faculty member and choreographer George Staib teams up with Houston's bold, dynamic choreographer Jennifer Wood to present new work in "Together Again for the First Time" (Oct. 3-4, 8 p.m., Performing Arts Studio, \$12 suggested donation at door).

Wood's company, Suchu Dance, has long been recognized for their adventurous spirit, engaging technicality and satirical focus. Works presented will not only please the intellect, but tickle the senses with Wood's imaginative themes and Staib's growing interest in electronic music as a foundation for new work. Featured are Atlanta dance professionals and the Georgia debut of Suchu Dance. For tickets and more information: 404-727-5050 or www.arts.emory.edu.



Suchu Dance SPECIAL

Explore Gwendolyn Brooks' books



"My Dreams, My Works" on view through Oct. 3. BRYAN MELTZ

Throughout her work as a writer, teacher, and public champion of African Americans and black people worldwide in the quest for social justice, Gwendolyn Brooks strove to unify and advance disparate and often conflicting individuals and communities. Her dual commitment to celebrating both the commonalities and the differences among individuals is the theme of an exhibition on display in the Woodruff Library's Concourse Gallery through Oct. 3.

"My Dreams, My Works" features 36 items from Brooks' personal library, a significant portion of which MARBL acquired in 2006, adding to the Raymond Danowski Poetry Library.

The library, which amounts to 24 boxes of material, comprises works by writers from a variety of social and political spheres: hand-made cards by children whose school Brooks visited; books inscribed by Langston Hughes; ephemera from the Civil Rights and Black Arts Movements; and closely-studied texts by canonical white authors. Such a mixture highlights that Brooks was a key influence among multiple literary movements, groups for social activism, and people of all ages and world views.

For information: web.library.emory.edu/libraries/schatten.