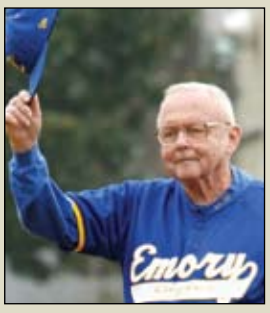
EMORY report

YOUR SOURCE FOR UNIVERSITY NEWS

JUNE 22, 2009 / Vol. 61, No. 33

PEOPLE

'Doc' Partin was an advocate and friend for Emory athletics for all. **Page 2**



FIRST PERSON

South Africa teaches Midtown nurse much can be done with few resources. **Page 7**

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SPECIAL INSERTS
'NEWS YOU CAN USE'
THE TASK FORCE FOR GLOBAL HEALTH

Staff leads efforts to cut costs

Campus Services staff have contributed more than 250 cost-cutting ideas, such as modifying the uniform replacement policy. Custodian Shonell Nelson (left) and Coordinator of Training Suzetta Lockleer demonstrate. BRYAN MELTZ

By KIM URQUHART

In the Division of Campus Services, water cooler service has been replaced with faucet filters; seasonal parties and picnics have gone potluck; and employees are invested in saving energy in their personal workspaces.

This wasn't a mandate from leadership, but a staff-led effort to save the division hundreds of thousands of dollars. Campus Services employees submitted more than 250 cost-cutting ideas, many of which are being explored and implemented.

Vice President for Campus Services Bob Hascall engaged the workforce to help come up with solutions, and committed to reviewing all ideas for viability. The brainstorming process began this winter, in response to the national economic downturn and Emory's budget reductions. "It was clear that we're not going to do business as we always have done, and there is likely to be a shift in our daily routines," says Hascall. "We are trying to shift the culture in this whole process of saving."

The division curtailed all new hiring, cut its annual equipment budget, reduced overtime usage by nearly 20 percent, eliminated its Emory-funded annual picnic and holiday celebration expenses, and made plans to reduce the size and operating expenses of its vehicle fleet. Many individual departments have identified other operating efficiencies and cost-cutting initiatives and their implementation is under way.

The focus is on the cost-cutting initiatives that have measurable savings and the largest financial impact, says Karen Salisbury, chief of staff to the

Please see SAVINGS page 5

Rare Emory books debut in New York

By MAUREEN McGAVIN

Two of Emory's libraries are contributing items to a New York City exhibition showcasing 16th century Biblical illustrations this summer, and the exhibition will come to Carlos Museum in the fall.

"Scripture for the Eyes: Bible Illustration in Netherlandish Prints of the Sixteenth Century" is the first major exhibition to explore the form, function and meaning of printed Biblical images produced in the 16th-century Low Countries.

The exhibition runs through Sept. 27 at the Museum of Biblical Art (MOBIA) in New York, before coming to Emory Oct. 17–Jan. 24, 2010, at the Carlos Museum.

Emory's Pitts Theology Library contributed five of the eight volumes comprising the Antwerp Polyglot Bible, published in the 16th century by Christopher Plantin, one of the greatest early printers, says Pat Graham, director of Pitts.

"In addition to its scholarly value for Biblical studies, this particular copy with its richly colored woodcuts is a stunning work of art and a suitable tribute to this pioneer of 16th-century book illustration," says Graham.

The Antwerp Polyglot Bible is perhaps the most significant item loaned by Emory, says Walter Melion, Asa Griggs Candler Professor of Art History and co-curator of the exhibit. Polyglot means it was published in several different languages, such as Latin, Hebrew, Greek,

Please see EXHIBIT page 8

Prospective students see what college is all about

By DAVID RANEY

Students setting their sights beyond high school are getting an early glimpse of what college is all about. Emory College has launched its Pre-College Program, giving such students a slice of the college experience both in and out of the classroom.

"There are all kinds of things a student can get out of a pre-college program," says Philip Wainwright, Pre-College director and associate dean for international and summer programs. "It's a way to learn about academic life, to locate areas of interest, to meet peers."

It can also be a way to start compiling college credit. Participants take for-credit courses lasting six weeks which are, as Wainwright notes, "precisely the same courses Emory students are taking, taught by precisely the same professors." The program also offers two-week, not-for-credit courses, again taught by Emory faculty.

"I think this is one of the particular strengths of this program," Wainwright says. "Students can take professors like Marshall Duke on the psychology of the novel, Bill Gruber teaching non-fiction creative writing, courses in nano-technology, photography — a whole spectrum of topics, either for credit or not."

They are getting a head start on college in other ways as well, says Wainwright. "The College and Campus Life are working closely together to integrate academic and co-curricular programming." The latter includes brown-bag lunches, visiting speakers, tours of local universities, and workshops in such areas as financial aid, admissions and study strategies.

While summer is a busy time for the high-schoolers, "it's also a fun program," says Wainwright. "There are students here from all over the country, and outside the country, looking to get insight into the kinds of coursework they're going to take, the kinds of opportunities available on campuses such as Emory's."

Professor of English Sheila Cavanagh, who teaches "What Fools These Mortals Be: Shakespeare & Performance," notes a difference between this Pre-College course and a typical high school Shakespeare class. "We have some amazing resources here," she points out, such as "performance tapes, plus actual performances, whether at Georgia Shakespeare Festival or Atlanta Shakespeare Tavern,

Please see PRE-COLLEGE page 4

NEW ONLINE AT EMORY.EDU

http://tibet.emory.edu

Follow Emory faculty and students through Dharamsala, India, via photos and blog updates posted to the Emory-Tibet Partnership site. It's the second summer of the Emory-Tibet Science Initiative, where faculty are teaching math, philosophy, cosmology, life sciences, and neuroscience to Tibetan monks and nuns. A group of students have also arrived in Dharamsala to participate in a new Emory Summer Abroad Program focused on Tibetan Mind/Body Sciences. Get a glimpse into their daily life, where meditation starts every day at 6 a.m.

http://cslr.law.emory.edu

The Center for the Study of Law and Religion, with funding from the Henry Luce Foundation, has redesigned its Web site to make its 20 years of research on law, religion, human rights more accessible. Features include a relational database searchable by topic or key word; enriched content; and modernized aesthetics and usability. Over the summer, CSLR will be adding reviews, commentary and chapter/article postings, and social networking links.

ER'S SUMMER SCHEDULE

Emory Report publishes bi-weekly in the summer months. New this summer: Look for a weekly eBlast each Friday to help you plan your week at Emory.

EMORY report

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EMORY PROFILE Connie Roth

TV got this physicist into films

Connie Roth is assistant professor of physics. BRYAN MELTZ

By CAROL CLARK

Many great scientists will tell you that a favorite teacher first influenced their career path. But for Connie Roth, it was the television show "MacGyver." The title character was a secret agent who carried a Swiss Army knife instead of a gun and relied on ingenuity to escape predicaments.

"He would make a bomb using bubblegum and paper clips, and maybe mixing toilet bowl cleaner with some other household chemical," says Roth, assistant professor of physics. "He just had a wealth of knowledge in his head that he could use to get out of whatever situation he was in. Of course, when I watch an episode now I think, 'That's so bogus.' But it was an appealing premise to a teenager, that if you understand enough about how things work, you can put things together to solve problems. That's kind of what a scientist does."

Roth, who grew up in suburban Toronto, decided at the age of 16 that she wanted to become a physicist. "I had the idea that if I had a Ph.D. in physics, then I would know everything," she says, laughing as she thinks back to her naiveté.

Starting with a volunteer co-op position in high school, she worked summers in a Xerox research facility. "That experience piqued my interest in polymers," she says. "Polymers are used in just about everything. The chair you're sitting on is fabricated out of plastic — a synthetic polymer. Paper is made out of a form of cellulose — a bio-polymer. A polymer is simply a long-chain molecule. DNA is a polymer."

At Xerox, Roth helped study ink polymers. "We were looking at how the toner melts and adheres onto paper. It was a lot of fun," she says.

Some of the scientists at Xerox she encountered came up with an easy method of producing polymer molecules with a narrower distribution. "It had a huge impact, because it improved the resolution of print," Roth says. "I started to see how fundamental research could make a difference in society."

Roth continued to focus on polymers through her undergraduate years and as a Ph.D. candidate. Her lab at Emory uses both physics and chemistry to explore the dynamics of polymer molecules, including within thin films. Polymer films have a range of industrial uses, such as anti-reflective coatings for eyeglasses, membranes for gas separation processes and electrolyte layers for lithium batteries.

"Polymers are coiled-up structures, like a bowl of cooked spaghetti. When you make the films thinner, the polymer molecules become distorted," Roth says. By better understanding the properties of thin polymer films, scientists hope to manipulate them in beneficial ways.

In recent years, some researchers have shown the ability to produce thin polymer films that age at an accelerated rate, while others have produced films with a slower aging rate. Roth's lab recently demonstrated the capability of generating both of these results. She hypothesizes that what determines whether the film ages quickly or resists aging is the way that it is handled during the thermal quench phase of its development.

"I want to understand the fundamental cause," says Roth, who is continuing to research this area. "My job is to contribute knowledge that may contribute to high-end applications that will be out 10 years from now."

Her work was recently recognized with a prestigious award: The American Physical Society's DPOLY/UKPPG Polymer Lecture Exchange. She will travel to the University of Bristol in England in September to deliver her talk to a meeting of the Polymer Physics Group.

As a teacher, Roth strives to get undergraduates to consider a range of potential professions. "I want students to think long term," she says. "If you do a little bit of planning, you might go a lot further in your career."

A science guide

Last spring, students in Connie Roth's freshman physics seminar were required to research the maze of science options at Emory. Their class project was to boil down what they learned into a Web site, which they dubbed "A Dummies Guide to Choosing a Science Major." It now serves as a resource for other freshman: www.physics.emory.edu/faculty/roth/freshmanFAQ/index.htmlsummer/pre-college.

'Doc' Partin led way to athletics for all

Clyde "Doc" Partin '50C–'51G, an icon at Emory through his years of devoted service to the school, passed away on June 16. He was 84 years old.

Partin served the University for over 50 years in the physical education department, including a distinguished stint as the school's athletic director and department chair of Health and Physical Education. During his tenure, Emory athletics saw unprecedented growth culminating in the construction of the Woodruff P.E. Center that opened in 1983; and the number of intercollegiate sports expanded.

"Emory has lost probably the single most influential person in the development of athletics at the University," says Tim Downes, athletics director. "But more importantly, we have all lost a dear, dear friend and our daily reminder for why we chose to be at Emory and to do the work that we do."

From 1986 until his retirement in 2002, Partin was a professor in physical education. He was the original founder and driving force of the Emory Sports Fitness Camp, now in its 45th year. He also made his impact felt in the coaching ranks during his tenure as an assistant coach with the baseball and softball programs. In 2007, an endowment was established to name Emory's athletic director's position, the Clyde Partin Sr. Director of Athletics.

Partin arrived on campus in 1946 after service with the United States Navy during World War II, and went on to earn two degrees at Emory. An instructor in the physical education department in 1951-52, he took a similar position at Oxford College from 1953-56.

His colleagues in the athletics department remember him as a friend, mentor and true University ambassador. Notes Don Schroer, former chair of Health, Physical Education and Dance: "Few have dedicated more time and energy to Emory University and no one has loved their alma mater more than Clyde."

Volleyball Coach Jenny McDowell says his legacy "will be engraved in my heart, and hearts of the thousands who have walked through the doors of the Woodruff P.E. Center, forever."

Partin was the author of numerous biographical sketches of baseball Hall of Famers. And in 2007, Emory's resident athletic historian published his first book, "Athletics for All: A History of Health, Physical Education, Athletics and Recreation at Emory University, 1836-2005."

He is survived by his wife Betty, three children: William Clyde Partin, Jr. '78C–'83M–'86MR (associate professor in Emory School of Medicine); Keith Partin; Betsy Partin Vinson, and many grandchildren.

Service set for June 22

A campus memorial service will be held at Glenn Memorial Church on Monday, June 22 at 3 p.m., with a reception to follow at the Woodruff P.E. Center.

Share memories

Post memories of Doc at the Emory Alumni Association's EAAvesdropping blog: eaavesdropping.blogspot.com/2009/06/remembering-doc.html.

Clyde 'Doc' Partin JON ROU

CAMPAIGN EMORY

Laneys' estate gift includes Emory family

By MARIA LAMEIRAS

Emory President Emeritus Jim Laney '94H and his wife, Berta '94H, have spent more than 40 years as an integral part of the University community. The Laneys recently renewed their commitment to Emory with a bequest that divides the value of their estate into six equal parts: one for each of their five children and one for Emory. A bequest is one way to support Campaign Emory, the University's $1.6 billion fund-raising effort.

Three of the Laneys' children and three grandchildren have graduated from Emory programs. Five more grandchildren are students at Emory, and the couple has eight younger grandchildren they hope may attend one day.

"Emory runs very deep in our family," says Laney, who first came to Emory nearly 40 years ago as dean of Candler School of Theology. "Our gift is simply because we consider Emory a part of our family."

The Laneys' gift will support the Emory Advantage financial aid program for low- and middle-income students. Established in 2007, Emory Advantage is open to undergraduate students at Oxford College, Emory College of Arts and Sciences, Goizueta Business School, and the Nell Hodgson Woodruff School of Nursing.

Emory's 17th president, Laney guided the University from 1977 to 1993. He led Emory to the world's top tier of research universities and — believing that universities should be places of inspiration as well as instruction — made the ethical development of students a core element of his presidency.

"Jim and Berta Laney have left a profound and enduring legacy at Emory by their quarter-century of active teaching and leadership here," says President Jim Wagner. "Their gracious intention to support Emory Advantage is a wonderful gift to future generations."

SNAPSHOT

BRYAN MELTZ

Project GRAD: A college connection

Atlanta public high school students from Project GRAD pitched in for a service project at Lullwater June 17. Emory is a host for the scholarship program that aims to help disadvantaged students graduate from high school. "By exposing them to all that Emory has to offer, we're hoping they will be inspired to work a little harder to get into college," says Andrea Neal of the Center for Science Education. A visit to the Carlos Museum and a crash course in how to apply to college were among their campus activities.

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www.compass.emory.edu

OUCP teams up on stimulus spending

The 2009 American Recovery and Reinvestment Act will allot Georgia an estimated $7.2 billion in funds. But who will the money recover? To ensure equity and inclusive prosperity in metro Atlanta, Emory's Office of University-Community Partnerships has partnered with the Equity Atlanta network.

"OUCP is committed to encouraging balance and inclusive growth," says Nathaniel Q. Smith, director of partnership and research for equitable development. OUCP provides technical and research support for Equity Atlanta.

Equity Atlanta hosted 240 participants at its inaugural forum June 5.

"Equity Atlanta provides a place for people from various perspectives to come together to create holistic solutions in our neighborhoods," says Smith, who also serves as Equity Atlanta's convener.

—Tania Dowdy

Eagle joins the major leagues

Emory baseball player David Hissey takes his game back to his home state but to a higher level. He joins the Philadelphia Phillies, having been drafted in the final round of Major League Baseball's first-year player draft.

The native of West Chester, Pa., played outfield for Emory's Eagles. Emory Athletics noted Hissey finished his junior year with the fourth-highest batting average on the team.

The business management graduate comes from a baseball family, his brother Pete drafted last year out of the University of Virginia by the Boston Red Sox and his father playing for the College of William and Mary.

Prior to the draft by the Phillies, Hissey had planned to join the German League Baseball-Bundesliga club, Solingen Alligators.

ACCLAIM

Emory staff members **Lea McLees**, editor/writer; contributing writers **Randall Burkett**, **Kim Collins**, **Elaine Justice**, **Guo-hua Wang**; distributors **Mayfred Nall** and **Terry Brown**; and **Emory Photo/Video** were honored for their work on "Emory Libraries Report to the Community, 2007-2008."

The report won the Award of Excellence in both the educational and nonprofit categories from The Communicator Awards. The international awards program honors creative excellence among communications professionals. It is sanctioned and judged by the International Academy of the Visual Arts.

Bob Hascall was selected to receive a Meritorious Service Award from APPA, a facilities managers organization.

APPA members bestow the annual award, which is the highest individual service award, upon the individual member or members who have made significant, life-long contributions to the profession of higher education facilities management.

A formal presentation will be made at the APPA 2009 conference and exhibition in July in Vancouver, British Columbia.

Saad Omer has been awarded the $10,000 Maurice Hilleman Early-stage Career Investigator Award.

Omer, assistant professor in the Rollins School of Public Health, received the award from the National Foundation for Infectious Diseases at the 12th Annual Conference on Vaccine Research.

Guillermo E. Umpierrez, professor of medicine in the Division of Endocrinology and Metabolism at the School of Medicine, is the 2009 recipient of the "Outstanding Service Award for the Promotion of Endocrine Health of an Underserved Population."

The American Association of Clinical Endocrinologists conferred the honor on Umpierrez, who is also the chief of diabetes and endocrinology at Grady Memorial Hospital, for his work on behalf of the Grady Diabetes Clinic and the Emory Latino Diabetes Education Program.

"Acclaim" recognizes the accomplishments of faculty and staff. Listings may include awards and prizes; election to boards and societies; and similarly notable accomplishments at Emory or in the wider community. Emory Report relies on submissions for this column. Contact: ltking@emory.edu.

TAKE NOTE

A box you will want to get into

A new program offers a square deal: Boxes of organic fruits and vegetables grown on local farms can be ordered to pick up weekly on campus.

The boxes contain mainly local and regional produce with some items from organic farms outside the region for variety, says Julie Shaffer, sustainable food service education coordinator.

The boxes, which come in three sizes, are picked up on Thursdays from 3-6 p.m. at The Depot.

"It is definitely not too late to begin ordering. We will continue into fall if we have a minimum order of 20 boxes per week on average," she adds.

For more information on the Emory Organic Market Box Program, see www.emory.edu/dining/Organic-Box.php.

Emory joins 'Yellow Ribbon' program

Emory will participate in the Yellow Ribbon GI Education Enhancement Program beginning in the 2010-2011 academic year.

The University currently has 54 veterans enrolled.

Under the new Yellow Ribbon program, veterans who have served since 9/11 are entitled to the equivalent of the highest in-state public undergraduate tuition rate.

Participating colleges and universities fund up to 50 percent of the remaining tuition. The Veterans Administration matches that contribution.

"We are proud of the contribution we have been able to make to the education of veterans, and we look forward to doing even more," says Santa Ono, senior vice provost for undergraduate academic affairs. "During the coming year, post-9/11 veterans, like all veterans who have already enrolled, will continue to be eligible for the full range of Emory's existing financial aid programs, including the Emory Advantage program if they qualify on the basis of family income."

Recycling center to close at Village CVS

On Aug. 3, Emory will discontinue the recycling drop-off space it has sponsored for several years at the CVS in Emory Village.

The site was originally started when DeKalb had no recycling program. In order to support DeKalb County's voluntary residential recycling program, Emory has decided to redeploy its staffing from the CVS program.

Recycled materials can be dropped off at the Whole Foods on Briarcliff Road, DeKalb County fire stations and libraries, and the DeKalb Farmer's Market.

Office closed, duties continue for chancellor

In an austerity move reflecting the new economic realities, President Jim Wagner and Chancellor Michael Johns have decided to shutter the Office of the Chancellor.

Since shortly after his appointment as chancellor in November 2006, Johns has maintained an office on the third floor of the Administration Building. As a professor in the schools of medicine and public health, as well as the University's immediate past executive vice president for health affairs, he has also maintained an office in the new School of Medicine administration and education building.

Effective Sept. 1, he will give up the Administration Building office and return on a full-time basis to the School of Medicine.

"I have informed President Wagner that, given the financial challenges of the day, it is not appropriate for Emory to support the Office of the Chancellor on a continuing basis," says Johns. "Although I will return to the faculty of medicine and of public health, I will be honored to remain at the service of Emory as chancellor."

"Of course, I respect and accept Dr. Johns' decision, but I have asked him to retain the title of chancellor so that he might continue to exercise leadership in the important tasks that have occupied his time in that role," says Wagner. "Those projects include fundraising for the Emory Advantage financial aid program, representing Emory in matters related to public policy, most especially health care reform, and leading important reviews of how we might improve our institution's programs in faculty and staff mentoring and succession planning."

The position of chancellor is defined in the University's bylaws as an advisor to the administration and the president who is appointed by the Board of Trustees. The bylaws do not specify any specific set of administrative duties.

—Staff Reports

Pursuing processes for future excellence

Consistent with planning processes outlined earlier this spring, the Ways and Means Committee has launched the Administrative Planning Process for pursuing excellence in the context of the new economy.

The process, which parallels similar activities under way in schools and colleges, incorporates a structure, framework and set of principles to support administrative unit leaders as they develop their strategic, operational, and budgetary plans for FY11 and beyond.

Administrative unit leaders have been asked to submit strategies that will generate resource development plans (i.e., either revenue generation or cost savings) equivalent to 3, 5 and 10 percent of their FY2010 base budget.

In a letter to University leaders, the Ways and Means Committee noted that: "To pursue excellence most effectively, we must review our current activities and underlying structures to identify what is essential to our mission and operations, and what we may be able to eliminate or redefine."

The process, which calls for a collaborative approach, "is designed to identify a set of cost-effective core activities without sacrificing excellence in academic programs," wrote the committee. Plans are due Oct. 1, and will represent the basis for institutional budget planning for the next several years.

—Staff Reports

PRE-COLLEGE: Students get chance to try on future

The Pre-College Program offers inside and outside the classroom experiences. SPECIAL

Continued from the cover

that would just not be available outside a college setting."

The professors appear to be as enthusiastic about the new Pre-College offerings as the students. Keith Easterling teaches "Neurology, Drugs & the Media" along with Kristen Frenzel, a colleague in the Neuroscience and Behavioral Biology program. Frenzel explores neurological disorders such as Parkinson's and spinal cord injuries, while Easterling combines "explanations of how a drug acts in the brain with how that corresponds to behavior out in the real world."

In one segment, he screens film clips depicting drug use and asks students to apply their lessons by identifying which drugs the characters are on. "These students will be the first class to experience this particular approach," says Easterling.

Learn more

Information about the Emory Pre-College Program can be found at www.college.emory.edu/summer/pre-college.

Get the inside scoop

Visit Emory on iTunes U to hear from the Pre-College Program faculty.

REPORT FROM: Emory Alumni Association

Internship lights a way toward the 'real world'

A few weeks ago, I was cupping a candle flame and peeling melted wax off my hands when I first stepped foot on the grounds of the Miller-Ward Alumni House. The annual Candlelight Crossover — during which each member of the graduating class carries a lighted candle across the Houston Mill Bridge, arriving on the other side for a reception at Miller-Ward — is bittersweet by design, what with its symbolic nature and the dazzling visuals of a slow migration illuminated by hundreds of tiny flecks of light.

As for myself, mild panic was setting in as I stepped off the bridge. I knew that graduation was just around the corner, but suddenly that "real world" I'd been keeping at bay was staring me down. The glowing faces of Emory alumni; congratulations from administrators and staff; hellos and farewells to fellow classmates; cocktails and light refreshments?

I wasn't ready for this.

Little did I know that I would return to Miller-Ward for the rest of the summer. I'm interning for the Emory Alumni Association, along with Kristin Chick and Ben Weinstein, from Virginia Tech and the University of Georgia, respectively.

The internship has been a fantastic opportunity to get some additional professional experience under my belt while savoring my time at Emory for just a bit longer. Summertime is planning time at the EAA, and the communications office has been surprisingly busy. I have only been here a couple of weeks, but I've spent time doing everything from designing graphics, creating slideshows for our blog (http://eaavesdropping.blogspot.com), interviewing fellow alumni, and writing articles like this one.

Conducting research for some of these projects has led me to discover many aspects of the University and layers of its history that I was entirely unaware of as a student. Did you know that as recently as 1970, Emory still held a quota in place limiting the number of women undergraduates to one-third of the student population? Or that there was once a movie theater, an apothecary, and a barbershop in Emory Village? Trivia aside, the work that EAA does to foster lifelong relationships with the University has exposed me to a whole other side of Emory, one that extends far beyond the boundaries of undergraduate life on the main campus.

As an Emory alumna, I find that writing materials that promote alumni events and initiatives can feel eerily like talking to myself. But it's also a great feeling to be able to count myself among the impressive group of Emory alumni with whom I engage here. In just the past week, I have written about a law school alumnus who has dedicated countless hours of service to Atlanta-based nonprofits and cultural organizations, an Emory College graduate who coordinated an independent film festival in New York, and an alumnus of the Candler School of Theology and humanitarian who heads one of the world's largest non-governmental organizations.

Spending my days researching, planning, and writing for and about alumni who are involved in such extraordinary and meaningful work, as well as all of the exciting things that are going on around a place that I love — could it get any better?

Erin Crews '09C–'09G is an intern with the Emory Alumni Association.

SAVINGS: Employees offer 'incredibly creative ideas'

Continued from the cover

vice president and a member of the specially appointed Process Improvement Team.

Some of the best ideas came from front-line staff, notes Salisbury. "There were some incredibly creative ideas. It was touching what staff were willing to do," she says.

"People came forward to help others keep their jobs," explains Nadir Hailey, a steam plant maintenance mechanic. "Many of us have been working with each other for years; we're all on the same team."

Hailey is a member of the Campus Services Advisory Board, the group charged with prioritizing the cost-cutting measures. More than 20 are currently being addressed at the department level.

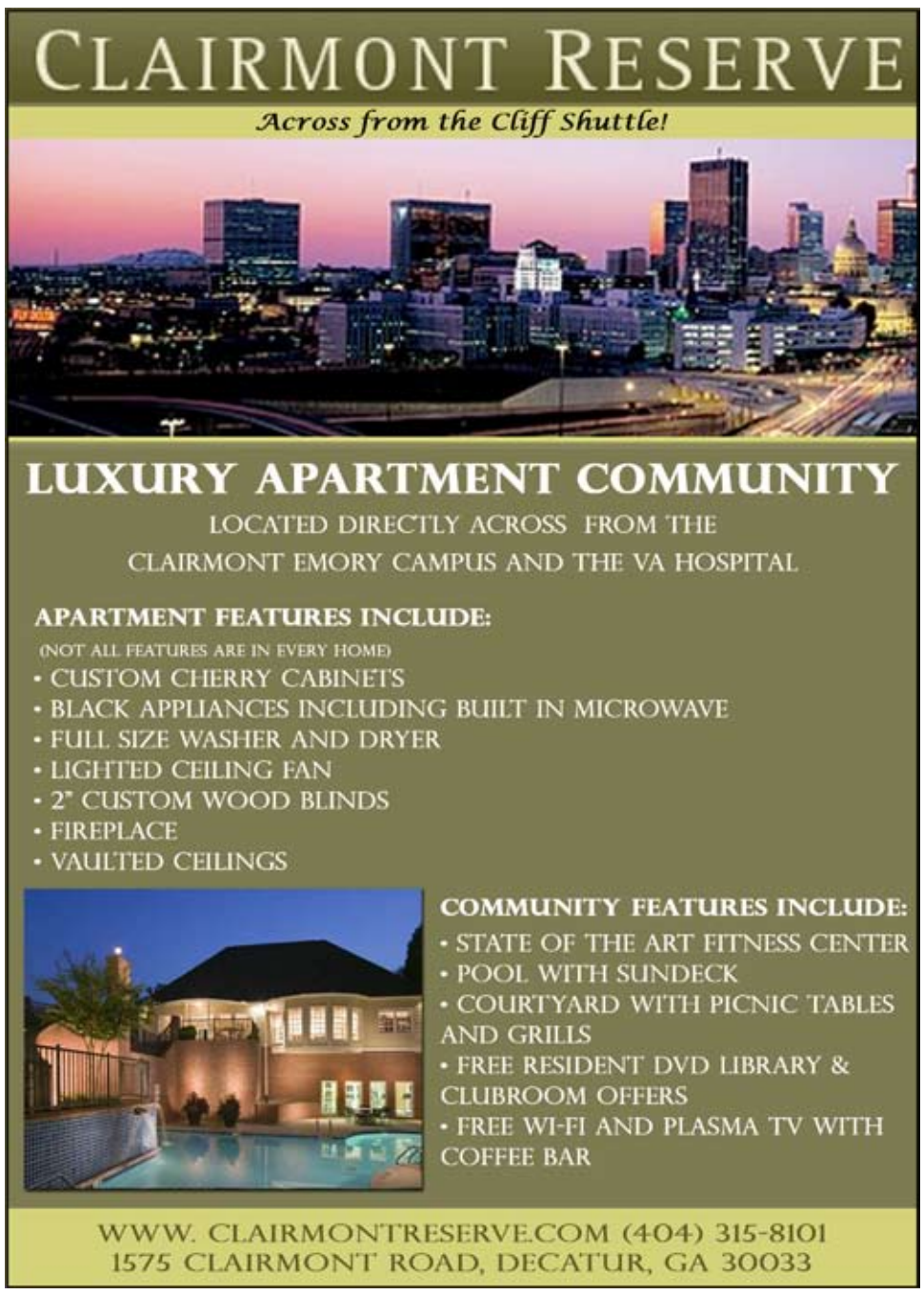
While the early implementation of cost-saving measures was able to reduce the impact on staffing, the budget target could not be met without some job eliminations. In April the Division of Campus Services eliminated 47 positions — 19 of which were vacant — in order to achieve a $2.5 million decrease in the campus services budgets for FY10.

Hascall says the hope is that implementing these staff-suggested operating efficiencies and cost-cutting initiatives will better position the division for the future — and protect jobs.

"That is why it is so important that we can measure and verify the cost-savings," a criteria of the ideas selected for review and implementation, says Salisbury. Metrics include comparing expenditures against the previous year.

As Campus Services continues to explore new ideas and measure savings, Hascall pledges to keep his staff posted and report back on the progress made on their ideas. "This is and will continue to be something we invest our time and energy in and one in which we continue to celebrate our successes."

Hascall's advice as Emory adjusts to a projected long-term reduction in revenues: "Every department has an opportunity to look at the processes that they have in place and see if there are opportunities for savings."



Campus composting wastes no time reducing excess

Garbage in doesn't always mean garbage out. That is what Emory is anticipating with the introduction of a composting pilot program at the Dobbs University Center (DUC) Dining facility this month. As part of Emory's sustainability vision, the University has a goal of diverting 65 percent of overall waste and 95 percent of food waste from landfills by 2015.

Composting is nature's process to recycle decomposed organic materials into a rich soil known as compost. This process returns nutrients back into the soil, perpetuating the cycle of life.

Running for seven weeks, the composting program will take pre-consumer organic food waste collected at the DUC and haul it 60 miles to the state's first Environmental Protection Division-permitted composting facility in Barnesville, Ga., instead of hauling the waste to the Pine Bluff landfill.

According to the Environmental Protection Agency, the decomposition of food and other waste in landfills produces methane, a greenhouse gas 21 times more potent than carbon dioxide.

"Emory's commitment to composting supports the University's goal of making our campus more sustainable. Compost offers a sustainable 'closed loop:' from table, to compost, to garden or farm, back to table," says Director of Sustainability Ciannat Howett. "Diverting food waste from landfills also reduces Emory's greenhouse gas footprint while saving the University money in landfill tipping fees."

— Kelly Gray

sustainability spot

Food is the least recycled material in the U.S. According to a study by the Environmental Protection Agency, Americans generate roughly 30 million tons of food waste each year, and all but about 2 percent of that food waste ends up in a landfill.

sustainability initiatives

EMORY

Uncovering secrets of sound symbolism

By CAROL CLARK

Does the Japanese word "akurai" mean bright? Or does it mean catch?

When native English speakers who are unfamiliar with Japanese are taught the correct meaning — bright — they learn and remember the translation more easily than people who are taught a randomly chosen meaning, an Emory study has found. The study results were published recently by the journal Cognition.

"Our research provides one of the first demonstrations that learners can use sound symbolism to derive meaning during spoken language processing," says Lynne Nygaard, associate professor of psychology and lead author of the study.

"These results are part of the accumulating evidence challenging the arbitrariness of language," adds co-author Laura Namy, associate professor of psychology.

For years, Nygaard has explored the relationship between the way something is said and the meaning of words. Namy's work has focused on how children learn language. The two scientists have combined their expertise to help pioneer the field of sound symbolism and language — an emerging domain in psychology.

While onomatopoeia is well known, new research is showing that a subtle class of sound symbolism may be more pervasive in language, extending across languages and cultures.

"Sound symbolism seems to be a basic property of how our brains map sound to meaning," Nygaard says, noting that she and Namy have studied sound-symbolism traits in 14 different languages.

Their latest Emory study used a list of words recorded by a native speaker of Japanese. Groups of monolingual English speakers were either taught the correct meanings for the words, their antonyms, or randomly chosen meanings while listening to the recording.

When tested, those who learned the correct meaning responded faster, and had more accurate recall, than learners in the other two groups.

"People appear to be actively recruiting sound symbolism to understand and to learn language," Namy says.

Emory, a leader in the field of grounded cognition, is one of a handful of universities that is exploring in depth the psychological and neurological aspects of sound symbolism in language. Nygaard and Namy are now beginning studies that use functional magnetic resonance imaging to track neural responses to the sounds of words.

How mouse mothers' brains are set to hear their babies' calls

By CAROL CLARK

Emory researchers have identified a surprising mechanism in the brains of mother mice that focuses their awareness on the calls of baby mice. Their study, published June 11 in Neuron, found that the high-frequency sounds of mice pups stand out in a mother's auditory cortex by inhibiting the activity of neurons more attuned to lower frequency sounds.

"Previous research has focused on how the excitation of neurons can detect or interpret sounds, but this study shows the key role that inhibition may play in real situations," says Robert Liu, assistant professor of biology and senior author of the study.

In 2007, Liu and colleagues were the first to demonstrate that the behavioral context in which communication sounds are heard affects the brain's ability to detect, discriminate and respond to them. Specifically, the researchers found that the auditory neurons of female mice that had given birth were better at detecting and discriminating vocalizations from mice pups than auditory neurons in virgin females.

While that experiment was done with anesthetized mice, the current study by Liu's lab is the first to record the activity of neurons in the auditory cortex of awake mice. Both female mice that had given birth, and virgin female mice with no experience caring for mice pups, were used in the study.

When exposed to the high-frequency whistles of mice pups, which fall into the 60 to 80 kilohertz range, a large area of neurons in the auditory cortex of the mother mice was more strongly inhibited than in the virgin mice. The pattern of excitation of neurons was similar, however, for both the mothers and virgins.

"Something different is happening in the mothers' brains when they are processing the same sound, and this difference is consistent," Liu says. "The inhibition of neurons appears to be enhancing the contrast in the sound of mice pups, so they stand out more in the acoustic environment."

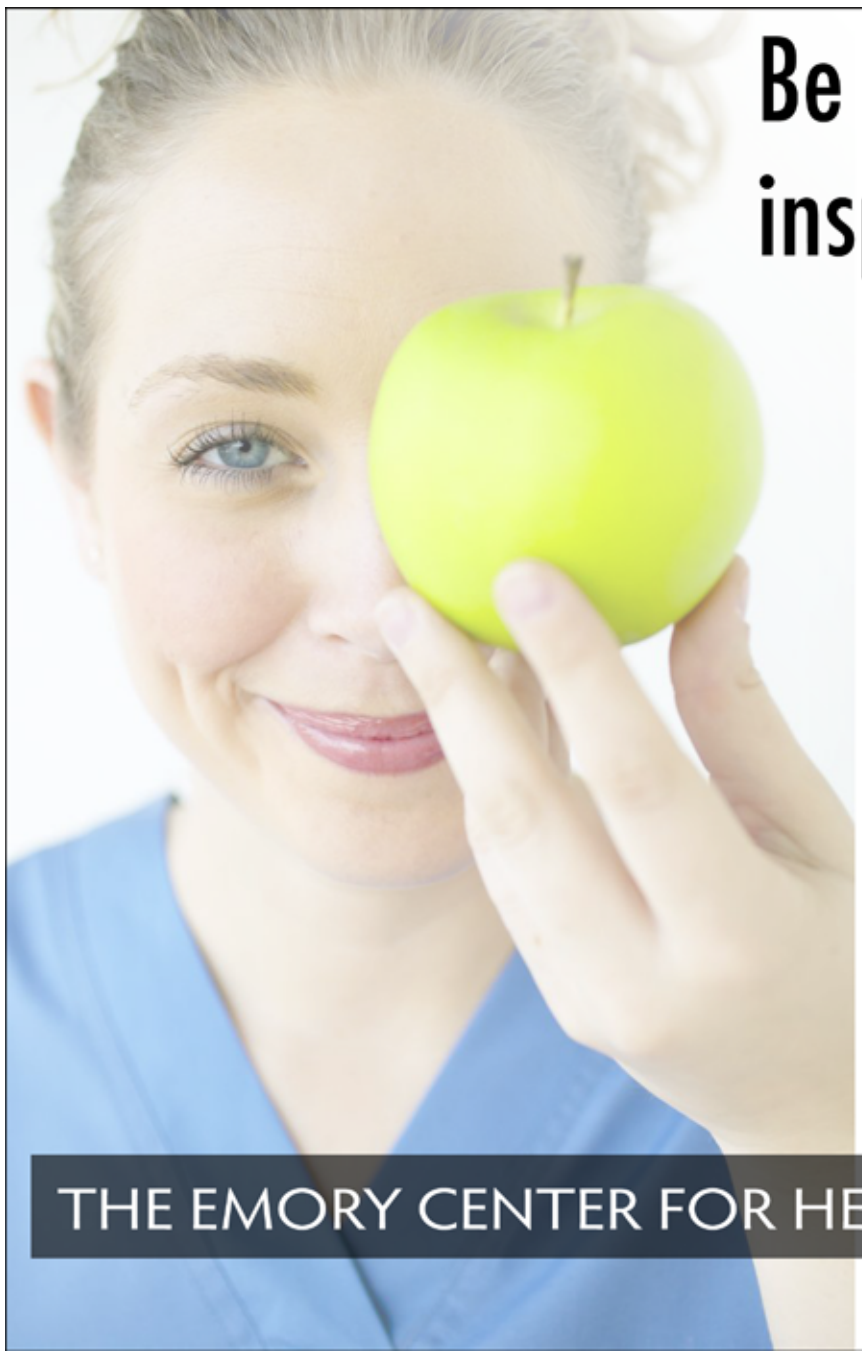
Liu's research focuses on how the brain evolves to process sounds in the natural environment. "By understanding normal functioning of the auditory processes in the brain, then we can begin to understand what is breaking down in disease situations, such as following a stroke or brain lesion," he says.

Until recently, it had been widely assumed that the auditory cortex acted simply as a static filter, and that areas downstream in the brain did the complex task of learning to parse meaning from sounds.

"What our experiments help demonstrate is that even at this relatively early stage of cortical sound processing, responses are dynamic," Liu says. "The auditory cortex has plasticity, so that sounds that become behaviorally relevant to us can get optimized."

Their research was funded by the National Institute for Deafness and Communication Disorders and the NSF Center for Behavioral Neuroscience.

For more news from the natural and social sciences: www.emory.edu/esciencecommons.



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FIRST PERSON

Nurse finds more than ocean between Midtown, Africa

By D. DENNIS FLORES

To be 'floated,' in hospital vernacular, is when a nurse gets assigned to an area other than his or her regular unit. As an ICU nurse from Emory University Hospital Midtown, it is expected that once in a while we may have to work in unfamiliar areas due to low patient census or a higher need for nurses elsewhere.

Not even in my wildest Florence Nightingale moment did I think that would include international travel. As the tiny dot on the in-flight navigator showed our protracted descent over Botswana toward our destination, South Africa, I had to contemplate how in the world of bedside nursing I missed reading the Clinical Protocol on Flying Over Bots-awesome-wana?

As part of a rotating group of health care personnel from the Association of Nurses in AIDS Care, our motley group of three RNs was deployed to Durban, South Africa, to mentor nurses, to assist in the transfer of knowledge and help in capacity building. Funded by the U.S. President's Emergency Plan for AIDS Relief (PEPFAR), the three-week stint included visiting multiple sites, which ranged from blink-and-you-miss-it community centers to sophisticated hospitals and nursing schools.

D. Dennis Flores is a 71-ICU nurse at Emory University Hospital Midtown and president-elect of the Association of Nurses in AIDS Care Atlanta Chapter.

But it wasn't until we toured Hlengisizwe that I could finally hear the drumbeats of the great diaspora. In that satellite facility in the heart of Zululand, amidst informal settlements, overcrowded waiting rooms and curious children, it hit me that this nurse was not in Midtown anymore.

To say that the clinic was understaffed would be putting it mildly. The RNs in the clinic were essentially an endangered species and the lone doctor who braved coming in every day, despite not having a command of the dialect, might as well be the Broadway version of Mufasa. Patients trickle in before daybreak and, while it may seem chaotic at times, everyone is seen before the day is over. In an era where stateside health care is about accreditation and space-age technology, it is interesting how the tiny clinic accomplishes its work with such aplomb.

It is true that I was horrified that consistent hand-washing was seen more as a personality quirk than standard operating procedure, and I was stumped by the non-contact physical assessments that seemed to be the norm. However, the undeniable fact remained that several hundred people were seen every day by the fledgling staff. Without appointments — with everyone carefully observing the implied laws of queuing.

HIV and AIDS have altered the world's social landscape, but even more so for countries in sub-Saharan Africa. Where children should be going to school they instead are forced to care for their parents who are expiring before their very eyes. Where grandparents should be enjoying their twilight years we see them instead go through another round of child-rearing their children's children. Condolences for those who have died of AIDS is a sentiment sparingly doled out.

As an outsider, it was initially baffling to think that stigma could not be overcome in a place where almost a third of the population is infected with HIV. With such a modern-day plague ostensibly in their midst, one would assume that the tipping point against discrimination would have been reached years ago. But it has not.

The reality for the people in KwaZulu Natal is that due to the extreme poverty in their quarters, a cycle of mistrust is seemingly endemic. Hence, this nurse gets to hear the agony a college girl goes through at the hands of her schoolmates who hurl stones at her as she passes by due to her flat backside, a classic sign of clinical AIDS-related wasting and proof undeniable of her infection.

African adventure SPECIAL

An ocean away from Peachtree Street, this nurse sees how mothers go to painstaking lengths to camouflage the bulky tin cans of government-issued baby formula from the local clinic rather than risk being spotted carrying them home by their neighbors — the specific brand synonymous with nutrition for babies who cannot be exposed to their mother's tainted breast milk. In the overcrowded clinic of Hlengisizwe, it is easy to see that while a lot are infected, the community is inescapably fully affected.

Pathology of choice is a disease process that nurses gravitate to. It is the inevitable cause whose walkathons, fun runs and bake sales they support. It is our way of staying grounded, our reminder of why we have chosen our profession. As a nurse of two years, this trip allowed me to do the kind of work I would be indulging in if bills, credit scores, 403bs and other grown-up concerns were non-issues.

PEPFAR 'floated' this Midtown nurse to mentor his African peers and to possibly buy a couple of "I heart Africa" T-shirts along the way. It nevertheless became an immersion experience that underscored how much more can be achieved with far fewer resources. Loaded with a Mac and an arsenal of snazzy PowerPoints, he was supposed to teach South African nurses about the American way.

Instead, he came back educated with how much more he and his stateside coworkers can actually accomplish.

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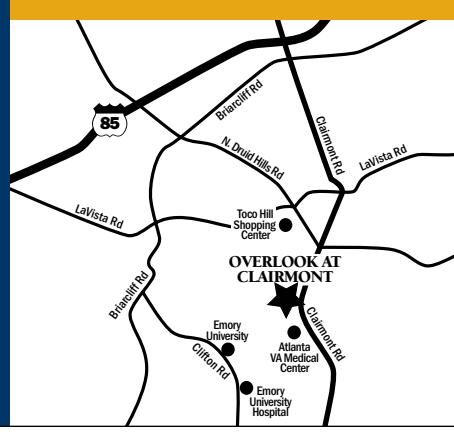

Pulte Homes

Events

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.

Special

Tuesday, June 23

Farmers Market. 2–6 p.m. Cox Hall Bridge. julie.shaffer@emory.edu. *Every Tuesday.*

Wednesday, June 24

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

Thursday, June 25

BOOK SIGNING: "Spies: The Rise and Fall of the KGB in America." Harvey Klehr, author, presenting. 7 p.m. Barnes & Noble (2900 Peachtree Road) Free. polshk@emory.edu.

Friday, June 26

Emory Conference Center Hotel Open House. Noon-5 p.m. Free. www.emoryconferencecenter.com.

Visual Arts

Now Showing

"O Lord, Open Thou Our Lippes… And Our Mouth Shal Shewe Furth Thy Prayse: An Exhibition From the Prayer Book Collections of Pitts Theology Library and Michael Morgan." Durham Reading Room, Pitts Theology Library. Free. 404-727-1218. *Through June 30.*

"Wonderful Things: The Harry Burton Photographs and the Discovery of the Tomb of Tutankhamun." Carlos Museum. Free. 404-727-4291. *Through July 26.*

"Brent Fogt: Accural Method." Visual Arts Gallery, Visual Arts Building. Free. 404-712-4390. *Through July 31.*

"Slave, Soldier, Citizen: The Journey of William H. Scott." Manuscript, Archives and Rare Book Library, 10th Floor, Woodruff Library. Free. 404-727-6887. *Through Aug. 8.*

"A Keeping of Records: The Art and Life of Alice Walker." Schatten Gallery. Free. jdelliq@emory.edu. *Through Sept. 27.*

Workshop

Tuesday, June 23

Optional Practical Training Workshop. 10 a.m. 130 North Decatur Building. Free jkjohn2@emory.edu. www.emory.edu/ISSP/news/immigration/opt.html

EXHIBIT: Biblical art explored

Continued from the cover

Syriac and Aramaic, side-by-side in the same Bible.

"We have one of the most beautiful copies," says Melion. "It's a grand folio book, so it's very large. And several of the volumes have exquisite pictorial title pages. Ours is really extraordinary because they have several pages that are hand-colored."

Two other books are from Emory's Manuscript, Archives, and Rare Books Library: "Humanae Salutis Monumenta" ("Monuments of Human Salvation"), published in 1571, and "Septem Psalmi Davidici," a bound series of prints depicting the seven penitential psalms, published prior to 1604. The libraries are also contributing digital images of a few pages from the books for a catalog to accompany the items on display.

Melion says "Humanae Salutis Monumenta" by Benito Arias Montano is the first Catholic scriptural emblem book — a collection of images and descriptive text.

SPECIAL

A page from the Antwerp Polyglot Bible.

"Emblems were a way of thinking through topics by meditating on the complex dynamics of a mutually interactive image and text," he says. "This is one of the very earliest emblem books. It's a very rare thing indeed, and it's in beautiful condition."

"Septem Psalmi Davidici" features prints created by Hieronymus Wierix, considered among the greatest engravers of the time. Each scene is surrounded by an elaborate border composed of the entire text of the penitential psalms, says Melion.

"They are seven of the finest engravings produced in Antwerp in the 16th century in terms of technique and skillful execution," says Melion. "They're also very inventive in the way they explain the penitential psalms and relate them to the Passion of Christ."

More online

Visit Emory Report online to learn about how Emory conservation technicians preserved the Antwerp Polyglot Bible.

Mark your calendars for concerts, events

Canadian Brass

Orpheus Chamber Orchestra

Esperanza Spalding

By JESSICA MOORE

Emory's 2009–2010 Flora Glenn Candler Concert Series and Special Events features the Atlanta debut of Cedar Lake Contemporary Ballet and six concerts featuring a range of music from sounds of the Amazon to songs of America. Emory employees receive up to 50 percent off single ticket prices when subscribing to four or more concerts.

Single tickets to the **Cedar Lake Contemporary Ballet**, Feb. 24–26, are available now. Cedar Lake will perform highlights from Ohad Naharin's "Decadance 2007."

For ticket and subscription information call 404-727-5050 or visit www.arts.emory.edu. Single tickets for other performances go on sale to Emory employees and students on Sept. 9.

Oct. 1, 8 p.m. Canadian Brass. The virtuosi of Canadian Brass have made the brass quintet a dynamic vehicle for serious concert music. Their 60 recordings include works by Purcell, Vivaldi, Gabrieli, Pachelbel, Beethoven and Wagner — all in meticulously crafted transcriptions that are setting new musical traditions in brass performance.

Oct. 23, 8 p.m. "Journey to the Amazon," Sharon Isbin, guitar, Thiago de Mello, percussion, and Paul Winter, saxophone. This Grammy-nominated aural sojourn blends sounds of the wilderness, Afro-Brazilian rhythms, Amazonian Indian chants and urban jazz. Acclaimed for her extraordinary lyricism, technique and versatility, Isbin has been hailed as "the pre-eminent guitarist of our time" by Boston Magazine.

Nov. 14, 8 p.m. Esperanza Spalding, jazz bass and vocals. The Seattle Times called Spalding "an irresistible performer." Ben Ratliff of The New York Times wrote, "the Esperanza Spalding experience is light, melodic, joyful, always sort of minimalist and airborne."

Jan. 22, 2010, 8 p.m. Bang on a Can All-Stars & Glenn Kotche, percussion. Part classical, part rock, part jazz, the Bang on a Can All-Stars international reputation is for unparalleled cutting edge performance. Kotche's eclectic and original work explores creative use of rhythm and space.

Feb. 4, 2010, 8 p.m. Orpheus Chamber Orchestra. This Grammy-winning orchestra from New York is a unique self-governing ensemble with rotating leadership.

Feb. 19, 2010, 8 p.m. "Songs of America," Thomas Hampson, baritone. The concert star and leading man of opera Hampson performs American hymns, folksongs, spirituals, cowboy and war songs from the 1700s through today in this national tour for the Library of Congress.

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