

PEOPLE

Staff Fest Service Day helps Dress for Success and other nonprofits. **Page 3**



FIRST PERSON

Art historian researches a jungle sculpture garden of “unsurpassed beauty and weirdness.” **Page 7**



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SPECIAL “Task Force for Global Health” INSERT



Emory’s “green” buildings are among the points of interest on the Sustainability Map, a new online tool designed to get Emory community members like Lauren Titus out for walks and bike rides.

BRYAN MELTZ

Explore campus from new direction

By MARGIE FISHMAN

It’s lunch hour. One option is to hike to the parking deck, jump in the car, choke on exhaust fumes in Clifton Road traffic and inhale a burrito on the way back.

A healthier alternative is to click on Emory’s new online map, sustainability.emory.edu/html/map/index.html. Here you can find a bike share location or put on your walking

shoes, take an art tour, grab lunch at one of the identified shopping locations and recycle your waste before returning to the office guilt-free.

Encouraging the campus community to get a little fresh air while helping the environment is one of the main goals of Emory’s new Walk N’ Roll campaign. Funded by an \$18,000 grant from the nonprofit Urban Land Institute with matching funds from the University, the

campaign builds on Emory’s efforts to reduce its carbon footprint — a measure of greenhouse gas emissions — by creating a pedestrian campus core to include walking, wheeling and biking.

“The map is a tool to integrate exercise and time outdoors into every person’s daily routine to promote our personal health and the health of the planet,” says Ciannat Howett, director of sustainability ini-

tiatives and the interactive map’s chief creator. “Emory has a unique ecosystem, history and culture, which the map highlights. Our hope is that the map helps people feel connected to Emory as a special place and that they will want to contribute to creating a sustainable campus.”

After requesting feedback

Please see MAP page 4

Ancient fish fossil trail found

By CAROL CLARK

Is it possible to track the movements of an extinct fish in a long-gone lake? It is if you are Emory paleontologist Anthony Martin. He’s found that wavy lines and squiggles etched into a slab of limestone near Fossil Butte National Monument are prehistoric fish trails, made by *Notogoneus osculus* as it fed along a lake bottom.

“This is a fish story, about the one that got away 50 million years ago,” says Martin. “And I can tell you that the fish was 18-inches long, based on good evidence.”

He led a detailed analysis, published May 5 in *Public Library of Science One*, that gives new insights into the behavior of the extinct *N. osculus*, and into the ancient ecology of Wyoming’s former Fossil Lake.

Please see FOSSIL page 6

Science education gets \$1.8M

By BEVERLY CLARK

Emory is one of 50 research universities in the nation to receive a share of \$70 million for undergraduate science education from the Howard Hughes Medical Institute (HHMI). Emory’s four-year, \$1.8 million grant marks the sixth consecutive time since 1989 the university has received the HHMI education grant, one of only a few universities to consistently receive the highly competitive award.

Emory will use the grant to support ongoing initiatives in student research, mentoring and education as well as new program development and community outreach to local teachers.

“HHMI’s continued investment in Emory’s science education initiatives the past 20 years has been a catalyst for

Please see GRANT page 5

Conversations from Alice Walker’s archive

By DANA GOLDMAN

Over the last three decades, writer Alice Walker has given hundreds of interviews, on subjects ranging from spirituality to Fidel Castro to her flock of backyard chickens. But if a scholar or student wanted to sift through those conversations as part of their research, it would have been difficult. After all, up until 2009 those interviews were packed away in boxes. And — until last month — Walker’s interviews

had never been collected in a single volume.

Now, 19 of the most substantial interviews appear in the new book “The World Has Changed: Conversations with Alice Walker” (The New Press, 2010), edited by Rudolph P. Byrd, Goodrich C. White Professor of American Studies. The collection is the first book to emerge from the Alice Walker archives at Emory, and shows the progression of Walker’s thinking on diverse topics over an almost a 30-year period.

Byrd has been studying Walker and her works throughout his career. But he felt he “hit pay dirt” when he culled through the archives while researching the book and discovered interviews that had “fallen off the map” or hadn’t been treated as seriously as they deserved, Byrd recalls.

The interviews reveal and reflect Walker’s long-standing — and deep-seated — values around issues including animal rights, spirituality and storytelling.

Podcast



What it was like to work with Alice Walker? Professor Rudolph P. Byrd, editor of “The World Has Changed: Conversations with Alice Walker,” shares that story, and its special Emory connection, in an accompanying podcast at www.emory.edu/EMORY_REPORT.

YOUR AWARD-WINNING CAMPUS NEWS SOURCE

Emory Report has earned a Gold award in the CASE 2010 Circle of Excellence Awards Program in the print internal audience tabloids and newsletters category.

Criteria for the award, presented by the Council for the Advancement and Support of Education, included writing, editing and article selection; staffing; design; creativity; understanding of target audience; how well the institution's mission is communicated; budget and use of available resources.

EMORY'S SUMMER SCHEDULE

This issue begins Emory Report's bi-weekly publication schedule. Visit the "About Us" section of Emory Report online for dates and deadlines.

NEW ONLINE AT EMORY.EDU

youtube.com/emoryuniversity

Emory Looks at Hollywood video series: This summer Emory faculty share their insights on newly released Hollywood blockbusters, helping to interpret the impact of "Sex and the City" on portrayals of women and the reality of "Iron Man's" inventions. Subscribe to the video series on Emory's YouTube channel. Coming soon: vampires, dreams and more.

EMORY PROFILE Robert Agnew

Gritty childhood shapes criminologist

By CAROL CLARK

Sociology Professor Robert Agnew grew up in Atlantic City, N.J., during the 1950s and 1960s. It was the pre-casino era, and Atlantic City was a rundown, dying resort. Neither of Agnew's parents finished high school and the family lived in the poorest section of town, known as the Inlet.

"It was the type of place where it's easy to get interested in sociology," Agnew says.

He attended Atlantic City High School, during an era of tense divisions of race and class. "There were regular fights," Agnew says. He recalls an especially harrowing incident during a study hall, when he was sitting in the lower part of the auditorium. Students in the balcony began unscrewing large floodlights from the ceiling and throwing them down at the students in the lower seats.

"The atmosphere wasn't conducive to learning, but at the same time I was exposed to a lot of things that most people aren't, and I benefited from that," he says. "It became clear to me that social location has a large effect on one's behavior and views."

Agnew went on to develop one of the leading theories on the causes of crime and delinquency: General strain theory (GST).

Classic strain theory had focused on the inability to achieve middle class success. For his 1980 dissertation, Agnew expanded this line of thought into GST, which focuses on a range of additional strains or stressors. Those most strongly related to crime are high in magnitude, perceived as unjust, associated with low social control, and create some pressure or incentive for criminal coping. Examples include parental rejection, bullying, chronic unemployment, discrimination and criminal victimization.

Agnew's 2007 book on the theory is called "Pressured into Crime."

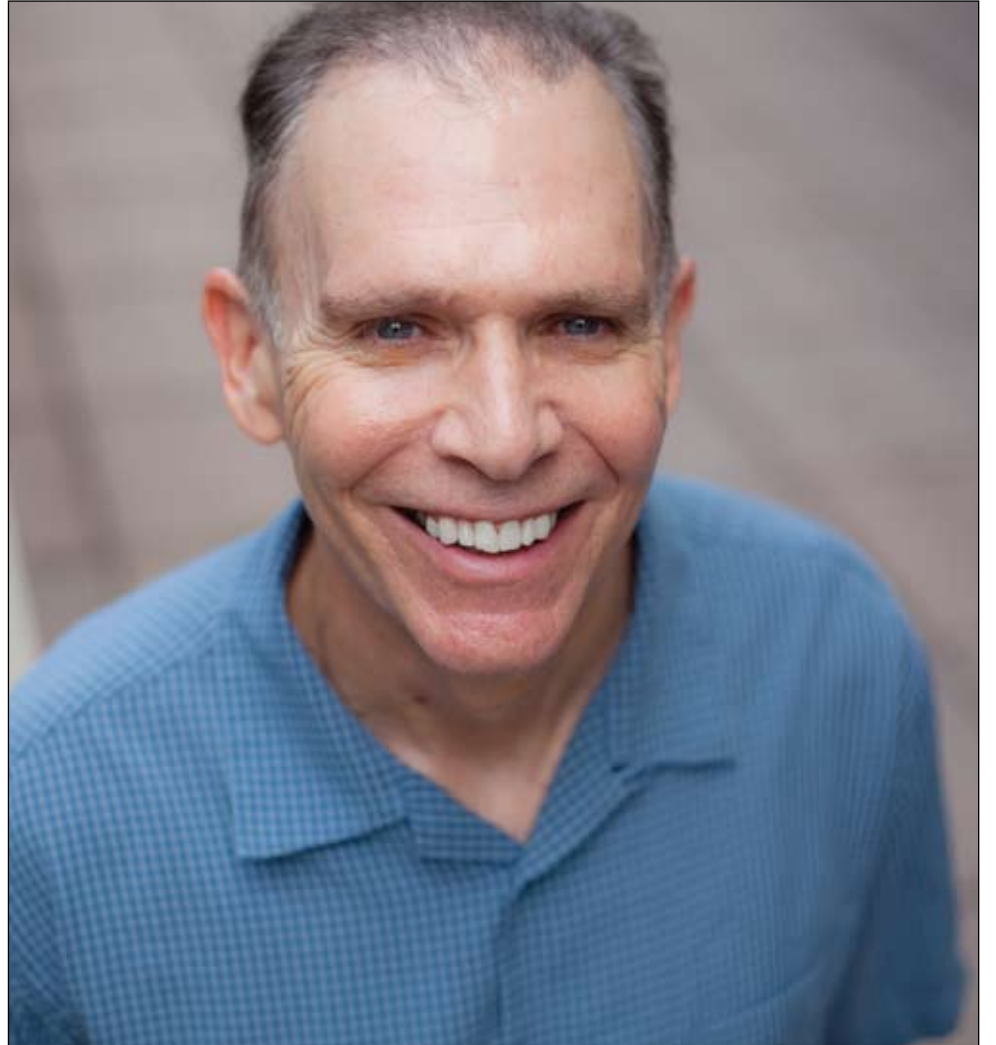
Over the years, GST has been further developed and tested, and is regularly cited in criminology textbooks. The entire May 2010 issue of the Journal of Contemporary Criminal Justice is devoted to the topic.

"It's gratifying that researchers keep applying general strain theory to new issues," Agnew says. He served as co-editor of the special issue, along with Paul Mazerolle of Griffith University in Australia. "We solicited a wide range of articles that didn't simply test the theory, but took it into new directions."

One of the articles, for instance, compared the effects of traditional bullying with cyber bullying — or the harassment of a child through a computer or cell phone. "I was surprised that the authors found that cyber bullying has a stronger association to crime than the traditional, face-to-face variety of bullying," Agnew says.

He's currently working on a chapter for a forthcoming book, "The Origins of American Criminology," summarizing GST and how it has developed and expanded over time. "I'm sure that additional revisions and extensions of the theory will continue to emerge," Agnew says. "Crime theories are ongoing creations, reflecting the particular experiences, as well as the strengths and weaknesses, of their creators."

In the coming year, Agnew plans to focus on climate change — including its potential impacts on crime. "Climate change is probably going to become THE major issue for everyone," he says. "Very little research has been done on the possible social consequences of climate change, so I'd like to try to make a contribution."



Robert Agnew is a professor in the Department of Sociology.

BRYAN MELTZ

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People

Campus Services names new vice president

By DAVID PAYNE

As Matthew Early made his way across campus this past spring for a first visit, one thing resonated with him: the congeniality among the Emory staff who interviewed him for the position of vice president for Campus Services. "I could tell immediately that they genuinely enjoyed working with each other," says Early.

This summer Early will join Emory's staff as the new vice president for Campus Services.

Early comes to Emory from Columbia University in New York City, where he currently serves as vice president for facilities operations, overseeing building and grounds maintenance, sustainability, custodial services, energy management, and engineering and construction services for new development. He will succeed Bob Hascall, who is



Matthew Early

retiring July 31.

"It is a privilege to be selected as the next vice president for Campus Services at Emory," says Early. "Emory is known throughout higher education for its innovative building practices, its state-of-the-art facilities and its elegant campus. I want to continue leadership in these areas and explore additional workforce training,

alternative energy sources and sustainability advances."

Campus Services is a broad-based division that includes campus security, custodial services, building maintenance, campus roadway and sidewalk maintenance, architecture, landscaping, project management for new buildings on campus, facilities management for existing buildings, campus recycling, sustainability, Emory's transportation and shuttle system, oversight of all campus parking facilities, and more.

"It is one division that truly touches all corners of Emory's campus and every student, faculty and staff member, patient and visitor to campus," says Mike Mandl, executive vice president for finance and administration. "Our facilities and campus environment are critical to support Emory's learning, healing and living environment.

Matthew will be an asset to Campus Services and to all of us at Emory University."

Prior to working at Columbia University, Early worked as director of facilities and environmental services with the U.S. Navy at locations in Florida, Hawaii and Italy. He is a professional civil engineer with a master of science degree in engineering from the University of California-Berkeley; a master of business administration degree from the University of La Verne in California; and a bachelor of science degree from the U.S. Naval Academy.

Early will move his family to Atlanta this summer and officially starts at Emory on Aug. 1.

"My first priority will be to meet with the hundreds of employees in Campus Services, and with various constituencies who rely on the department," he says.

ACCLAIM

Frances Smith Foster received an honorary degree from State University New York Geneseo and gave the school's 2010 commencement address.

Foster is Charles Howard Candler Professor of English and Women's Studies at Emory.



Michael M. E. Johns was the recipient of an honorary degree, a doctor of humane letters, from Johns Hopkins University during the school's May commencement.

Johns is chancellor of Emory University and executive vice president for health affairs. He was former dean of the Johns Hopkins School of Medicine and vice president of that university.



Lloyd Parker has been awarded the second annual Oxford DAR STAR Award for his continued support of the work done by Oxford's Office of Development and Alumni Relations.

Parker is professor of chemistry. He received a crystal star for "outstanding service in bridging relationships among faculty, staff, students and alumni, and in supporting the events and programs of Oxford DAR through his positive influence, his financial contributions, his leadership, and volunteer spirit."



Dana Sayre-Stanhope, associate professor and director of Emory's physician assistant program, was a keynote speaker at the 110th Congress of the Japan Surgical Society, the first physician assistant to be asked to address the organization.

While at the meeting, she was also asked to give a second lecture to the group.



Betty E. Willis has been elected to serve on the Board of Trustees of Leadership Atlanta. Her appointment began June 1.

Willis is Emory's senior associate vice president, governmental and community affairs. She also serves as Program Committee Chair-elect for 2012 for Leadership Atlanta.



Service projects key part of Staff Fest

By LESLIE KING

Volunteer service is a growing dimension of Staff Fest, kicking off the employee celebration the morning of May 14. Started by Employee Council, Staff Fest Service Day has become a tradition over the last few years with a choice of opportunities and volunteers from across the University.

"It's a lovely way to spend a morning, giving time to the community beyond Emory's walls. And it's a great way to get acquainted with some people whose paths you might not otherwise ever cross," says Linda Sheldon, manager of accessible design and construction, and a chief mover behind the staff service day.

Organized by Volunteer Emory coordinator Harold McNaron, projects this year included the Marcus Autism Center, Dress for Success, DeKalb Memorial Park Community Garden, International Rescue Committee, Open Hand and the Child Development Association in Roswell.

Margie Varnado joined a group of about 10 at the Marcus Center to work on a playhouse. "We wanted to choose something we felt we could really make a difference," says the Graduate Division of Biological and Biomedical Sciences business manager.

"Our understanding is the playhouse we worked on had not been able to be used for two years," she says. "We painted it, cleaned it — it was pretty dirty — and one of the carpenters here fixed the door" so it could be secured, and built a couple of little steps so the children could access it more easily. "Now it can be used."

Ann Uher, senior financial consultant, also volunteered. "It is wonderful to help in our community and get to know the other Emory volunteers and those that run the nonprofits."

She chose the Marcus Center because "a very close friend has an autistic son who I've known for many years, so I wanted to help."

Leo Andres volunteered at the International Rescue Committee, helping clients of the organization fill out applications for food stamps. The manager of projects in the School of Public Health called it a "really interactive" experience with a high degree of participation, helping "maybe around 40 clients for IRC. The best thing you got out of it was just being able to interact with people from other countries — with people who needed your help and just being able to do something good for people."

Sheldon says Volunteer Emory has ideas for more promotion of the program and sees its success continuing to grow. Find out about next year's opportunities when notices about Staff Fest go out each spring.



MYEMORY SPOTLIGHT



Name: Harriet Ruskin '90MBA

Position: Director of International Programs and Joint Degree Student Advising, Goizueta Business School

At Emory: 20 years

Where she gives: Goizueta Business School

Why she gives: "Even giving a small amount makes an impact, and you feel proud for supporting such a great university because it enables individual students to grow and contribute back to society."

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



Staff Fest Service Day volunteers fix up a playhouse for the Marcus Autism Center.

SPECIAL

TAKE NOTE

Grady-Emory phone dialing changes

The five-digit dialing system utilized between Emory and Grady Health System since 1973 has been removed.

As of June 4, callers no longer have the ability to dial between Grady and Emory units, using five digits. Now, callers must dial 9, the area code, the exchange and the four-digit extension.

The growth of each institution caused the conflict between the plans, constricting the range of numbers that could be called using just five digits.

From Emory, callers dialing a number in the 5-xxxx range will get a recording with instructions on the new procedure.

H1N1 response gets national praise

The Emory University Institutional Review Board has received special recognition from the National Institute of Allergy and Infectious Diseases of the National Institutes of Health for its work in support of Emory's H1N1 emergency response and research.

As one of eight national Vaccine and Treatment Evaluation Units sponsored by the NIH, Emory was part of last summer's critical national review of H1N1 vaccines through clinical trials.

The Emory IRB was able to rapidly and thoroughly review vaccine protocols, and the Emory Vaccine Center began enrolling adults, children and asthma patients in August in clinical trials of H1N1 vaccines. The clinical trials evaluated vaccine safety and immunogenicity, in addition to determining how best to give the H1N1 vaccine safely.

"Your dedication, perseverance, and commitment to excellence were essential for carrying out the rapid response to the H1N1 pandemic," reads the certificate of recognition.

ILA awards first Detweiler prize

The Graduate Institute of the Liberal Arts awarded the first Robert Detweiler Essay Prize in honor of the late ILA director's decades of teaching and scholarship at Emory.

First prize for the best graduate student essay that brings an interdisciplinary perspective to literature and religion — Detweiler's area of expertise — went to Sarah Schiff for her essay "Power Literature and the Myth of Racial Memory." Honorable mentions went to Patrick Blanchfield and Karma de Gruy.

"I think Bob would be delighted to see how the graduate study of literature and religion has continued to flourish at Emory," says Walt Reed, selection committee member. "The prize offers a special window on the development of this interdisciplinary endeavor," Reed said, adding the ILA is grateful to Detweiler's family for endowing the annual contest, which comes with cash prizes.

MAP: Online tool is guide to discovery



Explore the Sustainability Map, online at <http://sustainability.emory.edu/html/map>.

Continued from the cover

from the community, students and staff worked tirelessly marking GPS coordinates, counting footsteps between sites and researching content in preparation for its launch last month. The current map is user-friendly, with a scroll-down menu and pop-up text

boxes, highlighting historical points of interest; ATM, shopping and restaurant locations; green spaces; MARTA and Cliff routes; and walking tours and trails.

Click on Pitts Theology Library under the Civil Rights tour, for instance, and learn that the former chapel was the first stop on a four-day protest by the Black Student Alliance in 1969. Or, embark on a scav-

enger hunt for Emory's LEED-certified "green" buildings.

The map underscores Emory's commitment to sustainability, featuring educational gardens around campus, a compact fluorescent light bulb recycling center at Dobbs University Center and the farmers market in front of Cox Hall.

Video and audio podcasts of tours will be added to the

map this fall, allowing users to stream additional content to their computers or cell phones.

Shelby Smith, an admissions program coordinator and staff sustainability representative for the School of Medicine, will use the tool to help orient incoming students in July. A fan of ginkgo trees, she plans to explore the map's Specimen Tree tour.

"It's wonderful to be able to have all of this information at our fingertips," Smith says. "There are so many things to do on campus that are within walking distance."

As part of the grant, all incoming College freshmen were required to attend a lecture on community design and public health in their Health 101 class last fall. The final component of the Walk N' Roll campaign was the map's official debut during The Congress for the New Urbanism's annual meeting in May.

Howett's office will conduct a follow-up survey this fall to determine if the map has inspired healthy, sustainable behavior.

"What we've been emphasizing is that you can integrate exercise into your daily life and be sustainable at the same time," says Howett, who encourages everyone to check out the map.

Supporting tuition aid for veterans

By BEVERLY CLARK

Emory will offer more than \$700,000 in financial support to qualified veterans under the Veterans Administration's new Yellow Ribbon GI Education Enhancement Program beginning in the 2010-2011 academic year.

Under the Yellow Ribbon program, veterans who have served in the military since Sept. 11, 2001, will be entitled to a base benefit equivalent to the highest in-state public undergraduate tuition rate. Participating colleges and universities then will fund up to 50 percent of the remaining tuition bill above the public rate, while the VA matches the full amount of their contribution.

Participation in the program by private colleges and universities is voluntary. All of Emory's undergraduate and graduate schools and colleges will offer support. Individual aid is available for 64 veterans, ranging from \$2,500 to \$16,000

annually, depending on the program. Emory began receiving applications June 1.

"It is an honor and privilege for Emory University to help provide educational opportunities for the men and women who have so valiantly served our country," says Vice Provost Santa Ono. "I am particularly pleased that all of Emory's schools and colleges will participate in the program. We look forward to welcoming the participants to campus in August."

During the 2009-10 school year, 75 veterans were enrolled in undergraduate, graduate and professional programs, and received more than \$977,000 in financial aid from Emory's own resources. Currently enrolled veterans also receive federal assistance from the traditional GI Bill program.

Veterans interested in more information and applying for the benefits should go to: registrar.emory.edu/students/va/va_yellowribbon.html.



SNAPSHOT



BRYAN MELTZ

Partners for public health

Kingdom of Saudi Arabia (KSA) Minister of Health H.E. Abdullah Al Rabeeah (right) presents Rollins School of Public Health Dean James Curran with a token of appreciation after cementing a new partnership.

During a ceremony at Emory May 25, a group of delegates from the KSA Ministry of Health signed a five-year Executive Agreement to facilitate global public health research and provide educational opportunities for Emory and Saudi public health students.

The KSA Ministry of Health has established scholarships for Saudi students to matriculate through Emory's masters of public health/master of science in public health program. The first group of Saudi students selected for the program will begin courses at Emory in the fall of 2011.

"This partnership opens the way for mutually beneficial collaborative academic activities, including the training of graduate students, applied research activities, scholarly exchanges, and short courses," says Curran. "We welcome the opportunity to work with our Saudi colleagues on expanding education and research initiatives between our two countries."

Campus

5

REPORT FROM: Emory Athletics

Emory tennis players soar at nationals

The Emory men's and women's tennis teams maintained their reputations as premier Division III programs this spring and posted a total of three runner-up performances at the NCAA Championships.

The men's team, under the guidance of head coach John Browning, advanced to the quarterfinal round of the national tournament for the 19th consecutive season while women's head coach Amy Bryant saw her unit battle its way into the finals, the eighth time in the past 10 years the Eagles had flown into the semifinals or championship contest.

After the men's squad was eliminated from the team championship, sophomores Chris Goodwin and Dillon

Pottish participated in the singles portion of the event that featured 32 players vying to take home the individual crown. Goodwin was aiming to repeat his older brother Michael's championship performance in 2009, while Pottish was making his first appearance following his transfer from the University of Portland where he played during the 2008-09 season. Pottish would win his opening two matches before falling in the quarterfinals. Goodwin rolled into the finals where he saw his attempt to place another championship trophy on the family mantle in Rockville, Md., come up short as he was topped by ITA Senior Player of the Year John Watts.

The women's team opened NCAA

tourney play with second-and third-round victories at the Woodruff PE Center against Methodist University and Washington & Lee, respectively, sending the Eagles to the quarterfinals for the 21st time since 1985.

Standing in the way of Emory advancing was the Big Red of Denison University. However, the Eagles rose to the challenge with a 5-2 victory, setting up a highly-anticipated contest against top-seed Amherst College. With a berth in the finals at stakes, Emory upended the Lord Jeffs in a scintillating affair, 5-4, with the deciding point of the match coming on the racquet of junior Lindsay Reidenbach at No. 5 singles. The following day, Emory saw it quest for the program's sixth national crown

denied when it lost to Williams, ending the team's year at 22-6.

Junior Lorne McManigle and sophomore Zahra Dawson then competed in both the singles and doubles competitions with each winning their first-round singles match before being halted in the round of 16. The pair then joined forces in the 16-team doubles field and made an impressive run to the finals, where they eventually fell short to defending champions Kendra Higgins and Chrissy Hu of the University of Chicago.

John Farina is sports information director.

CAMPAIGN EMORY

Glenn Church class honors Jake Ward

By TERRI McINTOSH

Members of the Emory community have made a gift to Emory's Manuscript, Archives, and Rare Book Library (MARBL) in honor of their longtime friend, the late Judson C. Ward Jr. '33C-'36G.

On behalf of the Judson C. Ward Class at Glenn Memorial Church on Emory's campus, retired Emory librarian Achilla Imlong Erdican and her husband, Albert Erdican, have donated Ward's church papers to MARBL. The collection includes photographs, correspondence, newspaper clippings and speeches.

"I am sure he would be so happy to see that his work lives on," says Achilla Erdican. "We thought the best thing was to give the class records to the Emory University Library. I think it was a wise move."

Rick Luce, vice provost and director of Emory Libraries, called the gift "a wonderful addition" and said MARBL's continued excellence depends "more than ever upon individuals like you, who share our commitment to being one of the world's great special collections libraries."

Naomi Nelson, interim director of MARBL, says, "Jake Ward was such an important member of the Emory community, and we are very pleased to be able to add these records of his long tenure teaching at Glenn Memorial Church to his papers."

Ward, who passed away in November 2009 at age 97, spent more than 80 years at Emory as a student, teacher, administrator and spiritual leader. In 1953, he began teaching the "Couples Class," a Bible study group for married couples at Glenn Memorial Church that was formed in 1938. In 1983, it was renamed the Judson C. Ward Class to honor its teacher after three decades of service.

One of the most influential teachers at Glenn, Ward published more than 30 of his lessons to the class in 1994. In the preface to the book, "Walking the Road of Faith" (Scholars Press, 1994), he wrote, "Understanding the appropriate role of a teacher, I have sought to avoid appearing to be an authority proclaiming the Word, but have tried as a searcher to relate religious faith to life."

Members of the Ward Class, who at one time numbered nearly 450, are among Glenn Church's most active lead-



Glenn Memorial Church

KIM URQUHART

ers. Achilla and Albert Erdican are the current class president and vice president, respectively. She retired from her job at Pitts Theology Library in 1997.

Glenn Memorial Church and Emory University have a long history together. The church dates to January 1920, soon after Emory's Druid Hills campus was established. Its original location was in the chapel at Candler School of Theology. Built in 1931, its current home on campus is on the National Register of Historic Places.

The gift from the Ward class at Glenn is part of Campaign Emory, a \$1.6 billion fundraising endeavor that combines private support and the University's people, places and programs to make a powerful contribution to the world. Investments through Campaign Emory fuel efforts to address fundamental challenges: improving health, gaining ground in science and technology, resolving conflict, harnessing the power of the arts and educating the heart and mind.

GRANT: Targeting undergraduate research



The Howard Hughes Medical Institute grant will support ongoing initiatives in student research, new program development and more.

JACK KEARSE

Continued from the cover

progressive and lasting change in undergraduate science education and outreach at Emory at a time when science literacy is vital," says Santa Ono, senior vice provost for undergraduate admissions and academic affairs.

A new HHMI grant will help Emory meet the rising demand from both faculty and students for undergraduate research opportunities through two programs that get students into the lab early on in their college careers, says Pat Marsteller, director of Emory College Center for Science Education, which oversees and develops all of the center's HHMI-funded programs.

"We know that when we get students interested during their first year, they're much more likely to stay in a science major and continue on to a research career," Marsteller says.

Two programs supported

Research Partners, which began as a pilot program in 2005, places 30 students in the University's research labs during the school year, where they are mentored by graduate students and faculty. With the new HHMI grant, the popular program will be expanded to 40 per year, and will target freshmen and sophomores.

The second program, the long-running Summer Undergraduate Research Experience (SURE), will start focusing on first and second year students as well. SURE has placed more than 1,100 students in Emory research labs.

"Our new HHMI grant is all about integrating the research of faculty, graduate fellows and postdoctoral scientists into science and math courses from the time students take their first class to when they graduate," Marsteller says. "The continued support from HHMI is critical to our success and reflects the work of many faculty across the University who helped plan the grant, which will benefit every Emory science student."

The grant also supports the integration of more current, ongoing research into introductory science courses at Emory and faculty development. In addition, it will help continue an outreach program for metro-Atlanta teachers featuring workshops on strategies and techniques for teaching problem-based lessons in their science courses.

Marsteller co-chairs a university strategic planning and advisory board to implement the grant with chemistry chairman David Lynn, one of the first HHMI professors who received a \$1 million grant in 2004 to develop coursework and programs to improve undergraduate science education.

FOSSIL: Trace is ancient trail of life

Continued from the cover

“We’ve got a snapshot of *N. osculus* interacting with the bottom of a lake that disappeared millions of years ago,” Martin says. “It’s a fleeting glimpse, but it’s an important one.”

Fossil Lake, part of a subtropical landscape in the early Eocene Epoch, is now a sagebrush desert in southwestern Wyoming, located in Fossil Butte National Monument and environs. The region is famous for an abundance of exquisitely preserved fossils, especially those of freshwater fish.

Trails left by these fish, however, are relatively rare. The National Park Service had identified about a dozen of them and asked Martin to investigate. Martin, professor of practice and honors program coordinator in the Department of Environmental Studies,

specializes in trace fossils, including tracks, trails, burrows and nests made by animals millions of years ago.

One of the fish trace fossils especially intrigued Martin. In addition to apparent fin impressions of two wavy lines, it had squiggles suggesting oval shapes. “The oval impressions stayed roughly in the center of the wavy lines and slightly overlapped one another. I realized that these marks were probably made by the mouth, as the fish fed along the bottom,” Martin says.

He then deduced that the trace was likely made by *N. osculus*—the only species found in the same rock layer whose fossils show a mouth pointing downward.

Martin brought his detailed notes, photos and sketches of the trace fossil back to Atlanta, where he enlisted the aid of disease ecologist



The prehistoric fish trail correlated perfectly with an 18-inch *N. osculus*.
PHOTO OF BODY FOSSIL BY ARVID AESE, U.S. NATIONAL PARK SERVICE.

Gonzalo Vazquez-Prokopec and geographer Michael Page, two of his colleagues in Emory’s Department of Environmental Studies.

Vazquez-Prokopec, who does digital spatial analyses of geographic patterns of diseases and pathogens, applied similar techniques to the trace fossil data. The results showed a mathematical correlation between the trace impressions and the mouth, tail, pelvic and anal fins of an 18-inch *N. osculus*.

“This provides the first direct evidence of *N. osculus* bottom feeding,” Martin says. “Not

only that, the fish was bottom feeding in the deepest part of the lake. Previous research had suggested that the bottom of the lake had such low levels of oxygen that it was hostile to life. Our analysis indicates that, at least seasonally, some fish were living on the lake bottom.”

The scientists were also able to calculate how the fish was moving, and the pitch and yaw of its swimming motion. “The trace fossil lines look simple, but they’re not so simple,” Martin says, explaining that even the gaps in the lines carry information.

Page, an expert in cartography and geographic information systems, created a map of the discovery site, and a website that allows viewers to zoom in on different aspects of the fish trace.

“All three of us believe in making scientific data as open and assessable as possible,” Martin says, adding that he thinks it may be the first collaboration between a paleontologist, a disease ecologist and a geographer. “This opens up a new technique for studying trace fossils that we hope other people will try and test.”

3,000th transplant marks milestone

Winship Cancer Institute and Emory University Hospital set a new record on May 20, conducting Emory’s 3,000th bone marrow transplant. To date, no other facility in Georgia has accomplished this.

“This is a significant milestone for Emory University Hospital,” says Robert Bachman, chief operating officer. “Thousands of people have benefitted from Emory’s contributions to advancing this life-saving procedure.”

During a transplant, healthy marrow is withdrawn by inserting a needle into a donor’s hip bone and then injecting it into the body of the patient, where stem cells develop into healthy red blood cells. By replacing diseased bone marrow with healthy bone marrow, doctors are able to regenerate the critical function performed by blood cells.

Emory’s first bone marrow

transplant was conducted in 1979 by Elliott Winton, associate professor of hematology and medical oncology at Winship. In the 31 years since that first transplant, Winton and the BMT team at Winship have made considerable contributions to continuing development of this process.

“Our participation in national, international and institutional clinical trials assures that we offer patients the latest knowledge in stem cell biology and transplant immunology,” says Edmund Waller, director of Emory’s Bone Marrow and Stem Cell Transplant Center.

Currently, Emory physicians are testing whether combining kidney transplants with bone marrow transplants from the same donor reduces the possibility of immune system rejection.

—From Staff Reports

Attendance up, inspiration high at pedagogy workshop

By CATHY WOOTEN

Faculty participating in the Institute for Pedagogy in the Liberal Arts (IPLA) entered summer break with new ideas to refresh and expand their teaching.

The 50 participants at the fourth annual conference, held May 11-14 at Oxford College, came from 13 institutions, including Oxford and six other units within Emory. Also attending were teachers from Newton County High School’s Academy of the Liberal Arts.

Oxford is a community partner with the academy and has pledged support through mentoring and professional-development efforts such as IPLA.

Sessions on the use of information technology in the classroom and inquiry-guided learning were led by Oxford College faculty members and the

Oxford College IT team. Special guest presenters were Larry Michaelsen, professor of management at Central Missouri University and Ken Bain, professor of history, vice provost for instruction and director of the Research Academy for University Learning at Montclair State University.

Michaelsen, who is an expert on team-based learning pedagogy and has authored several publications on the subject, led sessions on small-group learning in large classes. Bain, author of “What the Best College Professors Do,” was keynote speaker for the conference as well as leader of sessions on best practices by best teachers.

IPLA is a joint effort of Oxford’s Center for Academic Excellence (CAE) and Emory’s Center for Faculty Development and Excellence. The CAE supports the primary goals of

Oxford’s long-term strategic plan: to establish Oxford as the premier example of a liberal-arts-intensive college and to continue growing its transformative learning environment through innovative pedagogy.

“A unique and good feature of Oxford College is the high seriousness that the faculty and administration give to teaching, to pedagogy and to student engagement,” says Jeff Galle, CAE director. “The Institute for Pedagogy in the Liberal Arts embodies this value and invites the community of scholars at Emory and beyond to share their passion and expertise for teaching with us.”

Attendance at IPLA 2010 was nearly double that of 2009. While growth for 2011 is not expected to be quite as dramatic, IPLA will continue to promote active and engaged learning at Emory — and beyond.

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Forum

FIRST PERSON: Camille Cottrell

Discovering a lost Surrealist masterpiece

Camille Cottrell is associate professor of art history and studio art at Oxford College.

Most academic research takes the scholar down a path which, hopefully, leads to discovery. My current inquiry, however, has taken the opposite approach. It began with a fortuitous discovery which has since led me to investigate a previously unrecognized genius of the Surrealist Art Movement: Edward James.

My husband and I have what we refer to as “let’s go here moments.” These impulses have led us to explore a crumbling Victorian cemetery outside of London, to look down on the rain forest canopy from the top of an overgrown Mayan pyramid in Guatemala and to explore abandoned ruins in New York. These experiences have served as inspiration for our artwork, and the photos we took (mostly with disposable, one-use cameras) are incorporated into many of our mixed media pieces. (Thanks to Oxford’s IT department, we are now equipped with digital technology!)

In 2005, however, our “let’s go here” moment led to an amazing discovery which has become the focus of our research into the forgotten Surrealist masterpiece Las Pozas and its creator, Edward James.

My husband, George Kennedy, was digging through dusty old guidebooks in a used book store when he came upon a grainy photo of bizarre concrete sculpture seemingly growing out of the jungles of Mexico. We had to go.

So we mounted an expedition starting in Tampico, Mexico. After seven harrowing hours of travel over some very rugged terrain, we arrived at the tiny town of Xilitla and the beginning of an incredible journey of discovery.

Edward James (1907-84) was an eccentric British millionaire who is perhaps best remembered as a minor poet and patron of the arts. An early exponent of Surrealism, he financially supported Dali, Magritte and other surrealists in the early 1930s and hosted the First International Surrealist Exhibition in Britain in 1936. During these years he amassed what is recognized as the world’s greatest private collection of Surrealist art.

While his early support of the Surrealists is well documented, his greatest work is barely known and remains largely ignored by art historians.

Hidden in the remote heights of the Sierra Madre Oriental, in a jungle paradise which is barely accessible even today, James spent 35 years creating a sculpture garden of unsurpassed beauty and weirdness. It is called Las Pozas.

With his partner, guide and friend, Plutarco Gustalem, he employed an entire village to create towering spires, staircases to nowhere, giant orchids and other sculpture which defies description over an 80-acre site surrounding a magnificent waterfall.

Because of its remote location and because James cared little for publicity or recognition by the art world, Las Pozas has remained a curiosity, the jungle folly of a rich fool. Until now.

Inspired by these fantastic images of the dream state realized in poured concrete, I began looking at Edward James through the lens of scholarship as well as through the eyes of an artist. During our 2005 expedition to the site, we took extensive photos and conducted preliminary interviews with descendants of the Gustalem family.

We have since undertaken further research, generously funded by a grant from Oxford alumnus Eugene Rackley III ’55Ox-’58BBA. This investigation took us first to the Dali Museum archives in St. Petersburg, Fla., then to the private reading room of the Morgan Library in New York where we read correspondence between James and the influential art dealer Pierre Matisse and noted Surrealist painter Leonora Carrington. In an attempt to trace the etymology of his imagery, his creative process and the



Camille Cottrell on a research expedition to Las Pozas in the Mexican jungle.

SPECIAL



The Surrealist sculpture garden was created by eccentric British millionaire Edward James.

SPECIAL

evolution of his artistic philosophy, in 2009 we went to James’ ancestral estate, West Dean in Sussex, where we sifted through 24 boxes of his personal correspondence.

Our investigation to date has made it clear that Las Pozas was not realized as a single, cataclysmic event, but rather, was the culmination of an evolutionary process that spanned James’ entire life. In his early days he championed Surrealism for its celebration of personal exploration, freedom of expression and individual genius. As he matured, James’ desire to reveal the subconscious through the juxtaposition of fantastic imagery found form in his art, bringing the metaphysical into the realm of the physical.

The Surrealist Movement, which celebrated the illogical inspiration of the unconscious and embraced biomorphism as recognition of the continual state of change occurring in all life forms, was, for Edward James, more than merely an artistic

“manifesto.” He found in it a vehicle for expressing his lifelong search for freedom and personal redemption through the creative process.

Although he had severed his ties with the Surrealists by the time his masterpiece was fully under construction, James accomplished a biomorphic merging of nature with sculpture, art with architecture, and landscape with the landscape of the mind which stands as perhaps the most complete realization of Surrealism’s ideals.

Since my initial trip to Las Pozas, the site has been purchased by Fondo Xilitla, a foundation set up for the purpose of preserving this fantastic work of art. Our planned return to the site in 2009 had to be postponed due to the H1N1 influenza outbreak, but it is my sincere intent to return to the site to continue my research and take further steps to establish the posthumous reputation of Edward James as the great Surrealist artist that he was.

SOUNDBITES

Moving up in a down economy

Practical advice, personal experience and signs of hope were offered at “Keeping Up and Moving Up in a Down Economy,” hosted by the Center for Women and others on May 26.

Jane DiFolco Parker, retired vice president of the Office of Development and Alumni Relations, advised: “Invest in yourself,” using learning services in your community, as well as Emory, where HR Learning Services’ Carolyn Yanes noted “quite a few are free.”

“Include on resume outside activities you do for church, your kids’ school, hobbies,” said Campus Services central administration’s Brenda Roberts.

“Nothing says a resume can only include things you got paid for,” said Carolyn Bregman, director of alumni career services.

To get direction, encouragement and to keep on track, all panelists advised finding a mentor, through Mentor Emory, formal or informal programs.

Roberts said a mentor “may point out areas where you are strong . . . Having a mentor can do nothing but benefit you.”

—Leslie King

Digital potential, pitfalls explored

Panelists at the Knowledge Futures Spring Forum 2010 described the “Discontinuities, Disruptions and Possibilities” of digital scholarship.

“The amount of information is greater than any of us has the capacity to consume,” says Social Science Research Network President Gregg Gordon. “But it’s only valuable with the right set of tools.”

“Collaboration in the workplace comes through social network tools,” said JoAnn Winslow, IBM Global University Programs executive director, noting researchers “never work alone any more” there are “more co-authors and very open research.”

—Leslie King

Seminar focuses on neuroethics

Is nothing sacred? Gregory Berns, director of the Emory Center for Neuroeconomics, is exploring that question through fMRI technology.

“Before, we were using fMRI to understand decision-making in regard to things like money, food and drinks,” Berns said during a recent Neuroethics Symposium. “Now we’re moving into a different realm, sacred values.”

Berns explained how an experiment was set up to measure belief in God. The ongoing work is aimed at helping the Department of Defense combat suicide bombers motivated by religion. Can brain activity predict behavior? “Yes, under constrained conditions,” Berns said.

—Carol Clark

ADVANCE NOTICE

Order organic produce on campus

Starting this month, boxes of organic fruits and vegetables can be ordered to pick up weekly on campus.

The Foodservice Administration, Sodexo and the Dobbs University Center have teamed up with the Office of Sustainability Initiatives to offer the Emory Organic Market Box program.

The recyclable boxes come in three sizes with a variety of fruits and vegetables that are certified USDA Organic. Some produce may not be local in order to provide the best variety.

The produce is delivered weekly to the DUC at 605 Asbury Circle. Order online at www.campuslife.emory.edu/dining/OrganicBox by noon on Thursdays, and pick up your box the following Thursday from 4-6 p.m. Drive-up access to have boxes placed in your vehicle is available through special entry at the Asbury gate.

A cool, sweet event at farmers market

If you can't stand the heat, get out and taste some ice cream. Emory Farmers Market stages an "Old Fashioned Ice Cream Social" Tuesday, June 29, on the Cox Hall Bridge from noon to 2 p.m. with the market continuing until 5 p.m.

This ice cream-making event will star seasonal and local ingredients and participants. "Think peanut butter with muscadine jelly swirl made with Sparkman's Dairy milk," says Julie Shaffer, sustainable food education coordinator, calling it "an opportunity to gather together at the market simply to enjoy an old-fashioned summer treat. We will be hand-cranking a batch of something yummy."

Open to the public, it's a cool \$3 to taste. For more information, e-mail Julie.shaffer@emory.edu.

Sign up to take Hindu temple tour

A tour of the Hindu Temple in Riverdale on Saturday, June 12, from 1-5 p.m. is part of the educational programming surrounding the Carlos Museum exhibition of Indian jewelry, "When Gold Blossoms."

Joyce Flueckiger, professor in the Department of Religion, will lead the tour and discuss the practices of Hinduism in Atlanta, the development of temples, and the ritual adornment of the deities.

At the Riverdale Hindu Temple, there are two temples: one to Shri Venkateshvara and one to Shiva. Flueckiger will explore the different styles and functions of the two temples.

Buses depart from the Carlos Museum at 1 p.m. The cost is \$15 for museum members and Emory students, faculty and staff. Pre-registration is required by calling 404-727-6118.

THIS WEEK'S HIGHLIGHTS

THURSDAY, June 10

"Valve-Sparing Aortic Root Replacement." Craig Miller, surgery, presenting. 7 a.m. Emory Hospital Auditorium. Free. 404-727-5695.

ONGOING EXHIBITS

"When Gold Blossoms: Indian Jewelry From the Susan L. Beningson Collection." Carlos Museum. 404-727-4282. Through July 11.

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

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

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



BRYAN MELTZ

Numbers rising on Bike to Work Day

While the weather conspired against Bike to Work Day on May 21, the future for the event to try out alternative transportation looks bright, according to Jamie Smith, manager of business process analysis, and director of Bike Emory.

About 30 people braved the "lousy" weather this year, including a downpour that came as many would be starting to work. But more compelling, says Smith, is the number of bike trains that signed on this year — 13 compared to a year ago. Had Mother Nature not interfered, Smith guesses there would have been quadruple the normal number of participants — perhaps as many as 200 — arriving on campus on two wheels.

The special day "gets people who don't normally ride," says Smith. The hope is for participants to become occasional or regular cyclists on their commute.

Looking ahead, the next organized cycling opportunity is Oct. 20, which is Bike to Campus Day, a distinction that acknowledges students when classes are in session as opposed to the May event, geared mainly to employees.

Smith says talks are being held with DeKalb County on improvements for biking along Clifton Road and he anticipates an announcement relating these in the near future. He's looking to get the word out about infrastructure improvements in Emory Village that will make walking and biking in that area much more pleasant. A lot of the attention is on the expected retail-restaurant improvements, he notes, but the work will also create a better experience for pedestrians and cyclists.

—Leslie King

SEASON PREVIEW

Organ concerts blend classics and new

By JESSICA MOORE

Emory University Organist Timothy Albrecht presents a 2010-2011 organ season that blends some of his classic campus concerts with recitals by up-and-coming young organists including Emory organ alumni. All organ concerts are free and in the Schwartz Center for Performing Arts, Emerson Concert Hall, unless otherwise noted.

Albrecht kicks off the season with "Bach Live!" featuring selections from Bach's "Well-Tempered Clavier," a landmark of Western civilization, on the Schwartz Center's Jaeckel Op. 45 organ (Sept. 12, 4 p.m.). Ambidextrous and possessing perfect pitch, Albrecht earned degrees at Oberlin Conservatory, Oberlin College and The Eastman School of Music, which awarded him both the Performer's Certificate and his doctorate.

Albrecht returns amid thunder, lightning, smoke and gargoyles, with Halloween organ music to scare all ages as "Count Dracula" for "Scary Ride!" (Oct. 30, 8 p.m.).

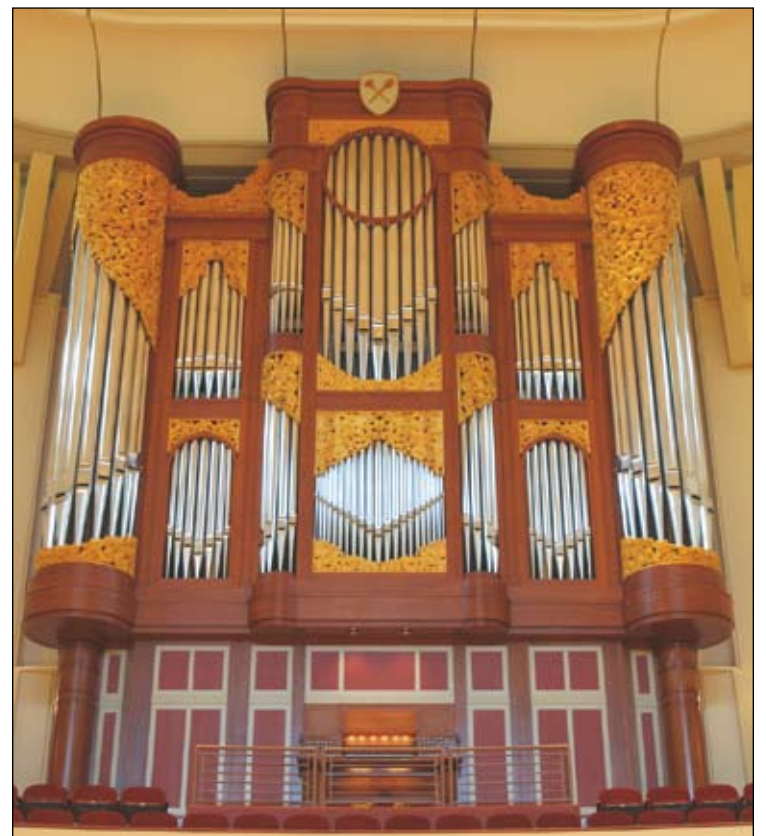
Called "stunning" by the Los Angeles Times, prizewinner and Juilliard graduate Chelsea Chen thrills audiences with her own Asian-inspired organ compositions (Nov. 7, 4 p.m., Glenn

Auditorium). Chen has performed throughout the United States and Asia in venues such as Singapore's Esplanade, Hong Kong's Cultural Centre, Los Angeles's Disney Hall and Philadelphia's Kimmel Center.

Emory graduate organ alumni will help celebrate the 20th anniversary of Emory's Master of Music/Master of Sacred Music organ degrees, joining the current graduate organ studio in a recital featuring one thrilling toccata after another in the **Emory Organ Alumni Recital** (Jan. 15, 2011, 4 p.m.).

Timothy Albrecht invites fellow music faculty keyboardists Tamara Albrecht, William Ransom and Keiko Ransom to join in a showcase of different sides of J.S. Bach's musical genius in the Super Bowl Sunday staple, "The Bach Bowl!" (Feb. 7, 2011, 4 p.m.). The program features the "Concerto for Three Keyboards," performed on two harpsichords, piano and organ.

A graduate of Emory's organ studio, organist **Randall Harlow**, who is currently finishing his doctorate at the Eastman School of Music, performs the music of Franz Liszt in his Emory recital (Feb. 20, 2011, 4 p.m.). Harlow performs in Greenland, Sweden and America. His research areas include Japanese composers, electro-acoustics and live-electronic processing.



Organ in Emerson Hall

SPECIAL

To conclude the season Albrecht performs light classics suitable for the Emory Commencement Weekend in the **Commencement Organ Recital** (May 8, 2011, 4 p.m.). The program includes the fes-

tive Widor "Toccatà" and the noble Sir Edward Elgar "Pomp and Circumstance March IV."

For information visit www.arts.emory.edu or call the Arts at Emory box office at 404-727-5050.