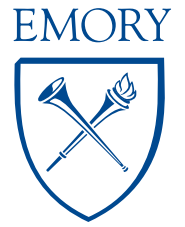


Emory Report



June 25, 2007 / volume 59, number 33

www.emory.edu/EMORY_REPORT

OXFORD COLLEGE

Oxford institute is fertile ground for environmental education

BY BEVERLY CLARK

Down in the backwoods of Newton County, the pristine waters of Bear Creek are yielding a treasure trove of critters for teachers Lindsay Wyczalkowski and Missy Snyder. Armed with nets, tweezers and glass jars, the teachers are on the hunt for hellgrammites, darters, fly larvae and the like. When they land the big prize — a massive crayfish — their whoops echo around the creek.

It's all in a beautiful morning at the Oxford Institute for Environmental Education, an intensive yet fun program designed to help teachers — regardless of background or grade level — develop lesson plans using their own schoolyards for scientific investigation.

"We both teach in a hands-on way — the dirtier the better," said Snyder, a science teacher at Mary Lin Elementary School in Atlanta, who was attending the OIEE with her colleague and friend, Wyczalkowski. "We're always looking for ways to enhance the experience of our students, and empower them, even as little kids, to know that they are part of the greater world around them and can make a difference," she said.

They took part in OIEE with 20 teachers from across metro Atlanta, South Georgia and Florida who headed to Oxford College earlier this month for the two-week institute. The program, named the "Educator of the Year" by the Georgia Wildlife Federation in 2001, has brought the gospel of inquiry-driven learning through outdoor education to more than 250 teachers since it was founded in 1991. The program is run by an enthusiastic trio of ecologists — Oxford biology professors Steve Baker, Eloise

See **OXFORD** on page 7



Kay Hinton

Participants in the Oxford Institute for Environmental Education hunt for critters in a creek near Oxford College. The program is designed to help teachers develop lesson plans using their own schoolyards for scientific investigation.

FACULTY NEWS

Renowned geneticist Victor Corces to join Emory as chair of biology department

BY ROBIN TRICOLES

Victor Corces, a world-renowned geneticist and distinguished educator, will join Emory Sept. 1 as chair of the Department of Biology in Emory College.

Corces is currently professor of biology, chair of the biotechnology program and director of undergraduate studies at Johns Hopkins University. A Howard Hughes Medical Institute professor, Corces was one of only 20 U.S. scientists named a 2006 HHMI professor, receiving a \$1 million grant to fund unique approaches to attract and inspire undergraduates in the sciences.

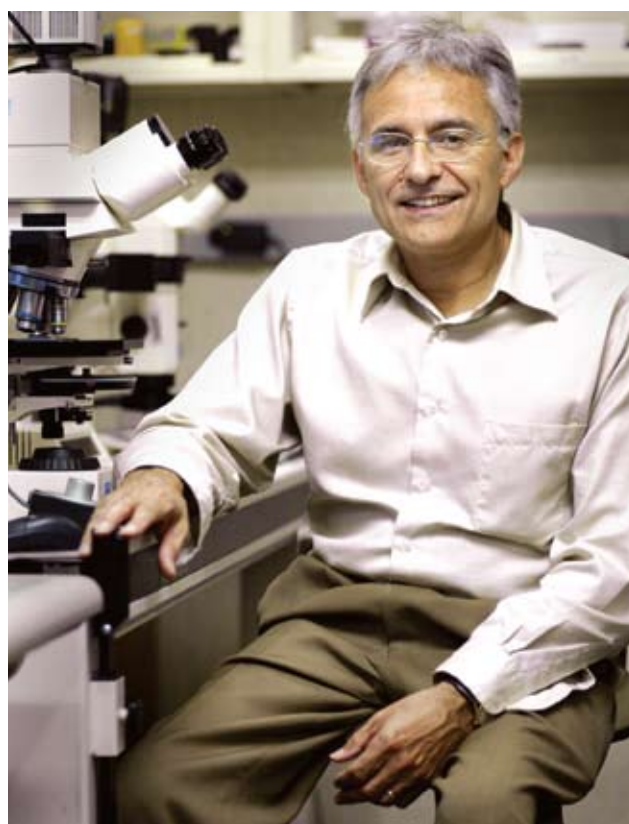
His latest research involves the mechanisms that control the organization of DNA within the nucleus of eukaryotic cells. Eukaryotic cells contain a nucleus, which contains the cell's chromosomes. The organization of the DNA is important in controlling gene expression and in understanding how stem cells differentiate. Corces and his collaborators suspect that stem cells' DNA is not organized in a recognizable way until they differentiate into a

specific type of cell, such as muscle, brain or bone.

"For a long time, people have been studying how genes are regulated during development," said Corces. "However, until recently nobody has paid attention to understanding the arrangement of DNA in the nucleus of cells and how this arrangement is important. My lab has been in the forefront of bringing this factor to light and finding ways of investigating this problem, which is very difficult. A lot of people have proposed models of organization, and the model we initially proposed was strange, but it turned out to show what is really happening," he said.

"We are very fortunate to have Dr. Corces join us as chair of biology," said Santa Ono, vice provost for academic initiatives and deputy to the provost. "He is a magnificent scientist and outstanding mentor. I know this firsthand from my time at Hopkins many years ago and from following his work in the literature.

"Dr. Corces will build on the current excellence of the Department of Biology both as a scientist and chairman and is sure to enhance the already strongly collaborative environment at Emory," Ono



Special

Victor Corces

said. The biology department will continue to make major contributions to multiple strategic themes of the University, he said, including Confronting the Human Condition and Human Experience (where the department will explore the intersection between epigenetics and human health) and

Exploring New Frontiers in Science and Technology.

As an HHMI professor at Johns Hopkins, Corces established the Research Internship and Science Education (RISE) program, aimed at attracting more students from

See **CORCES** on page 8

CAMPUS NEWS

Emory summer tennis camp in 40th year of serving kids

BY AMBER JACKSON

"40-Love" seems a fitting name for the final year of Emory Tennis Camp, which has introduced thousands of children to the game of tennis for 40 years. The day camp caters to children, ages 5 to 15, of different skill levels by teaching the basics to beginners and challenging the more advanced participants to improve and reach an even higher skill level.

"We help them advance with their age," said instructor Tim Schroer, whose father Don Schroer started the camp in 1968 as the new coach of the Emory's men's tennis team.

Don Schroer, who is currently associate professor of physical education at Emory, and co-founder Tom Johnson, former Emory head soccer coach, formed the Emory Tennis Camp in response to the lack of tennis camps in the Atlanta area. Schroer said it was a success from the beginning, serving kids from around the metro Atlanta area. Now, 40 years later, the camp primarily serves children in the

See **TENNIS CAMP** on page 4

AROUNDCAMPUS

Carter Center celebrates 25 years with exhibit

"Beyond the Presidency: 25 Years of The Carter Center," a special exhibit at The Jimmy Carter Library and Museum, opens June 30. The 25th anniversary exhibit offers a behind-the-scenes look at efforts undertaken by former President Jimmy Carter and his wife, Rosalynn, to advance peace, health and hope worldwide through The Carter Center.

Highlights of the exhibit include a life-size pit latrine and shelter from rural Ethiopia, measures that have helped prevent disease and improve the quality of life for millions of Africans; a roving ballot box and a bicycle from China, where the Center has helped 650,000 villagers hold elections; and a preserved Guinea worm, the cause of a disease which the Center is working to eradicate.

For more information, visit www.jimmycarterlibrary.gov.

Participants sought for Parkinson's clinical trial

Emory is participating in a Parkinson's disease clinical trial to determine if the nutritional supplement creatine can slow the symptom progression of this disorder.

The study needs people who have been diagnosed with PD within the past five years and who have been treated for two years or less with levodopa or other drugs that improve dopamine transmission in the brain.

For more information, call 404-778-7777 or visit www.parkinsontrial.ninds.nih.gov.

Correction

Emory Report incorrectly identified Brent Strawn, assistant professor of Old Testament in the Candler School of Theology, in the June 11 article "Cradle of Christianity explores sacred artifacts." ER regrets the error.

EmoryReport

Executive Editor:
Nancy Seideman
nancy.seideman@emory.edu

Editor:
Kim Urquhart
kim.urquhart@emory.edu

Designer:
Christi Gray
christi.gray@emory.edu

Photography Director:
Bryan Meltz
bryan.meltz@emory.edu

Intern:
Amber Jackson

EMORY REPORT (USPS705-780) is published and distributed free to faculty and staff of Emory University, weekly during the academic year, semimonthly May-August; by the Office of University Communications, 1762 Clifton Road, NE, Plaza 1000, Atlanta, GA 30322. Periodicals postage is paid at Atlanta, GA. Postmaster: Send off-campus address changes to Emory Report, c/o Development Services, 795 Gatewood, Atlanta, 30322.

FIRSTPERSON ALAN CATTIER

Under African skies:
Reckoning in Kenya

Alan Cattier is director of academic technologies with AAIT Academic Technology Services.

On May 15, I began a journey to return to Meru, Kenya, a location that I had initially come to know four years earlier. At that time, Dr. Ron Schuchard, Goodrich C. White Professor of English, had come to me to ask what the University did with its surplus computers. He went on to tell me the story of Emory pediatrician Dr. George Brumley and his wife Jean who, with ten members of their family, perished tragically in a plane crash on the side of Mt. Kenya in 2003. Dr. Schuchard was leading an effort to celebrate the life of the Brumleys by coordinating a gift to an all-boys boarding school—The Meru School in Meru, Kenya—and he wanted to know whether there would be any computers that could possibly form part of a gift.

traffic coordination—either officially or unofficially.

As the road begins to climb out of Nairobi, into the Central Highlands, the traffic becomes less congested on the road, but everywhere around you, people walk alongside it. The country is lush, green with a fresh rain, and crops of coffee, tea and pineapple line the hillsides. Cows and goats graze without interruption as our van passes and climbs further along the flanks of Mt. Kenya.

May 19: To arrive in Meru is to arrive in a large town of roughly 50,000 inhabitants. Our home this year, as in previous years' expeditions, is the Three Steers Hotel that sits on the edge of town, adjoining one of the many open markets, but separated from it by a very large and



From an initial donation four years previous, to a trip to Meru to set up an Internet connection for the school in 2005, I had seen this initiative evolve and take root. Now I was returning in 2007 to see what future shape our efforts might take alongside a larger University initiative to Meru which was being considered. Some reflections:

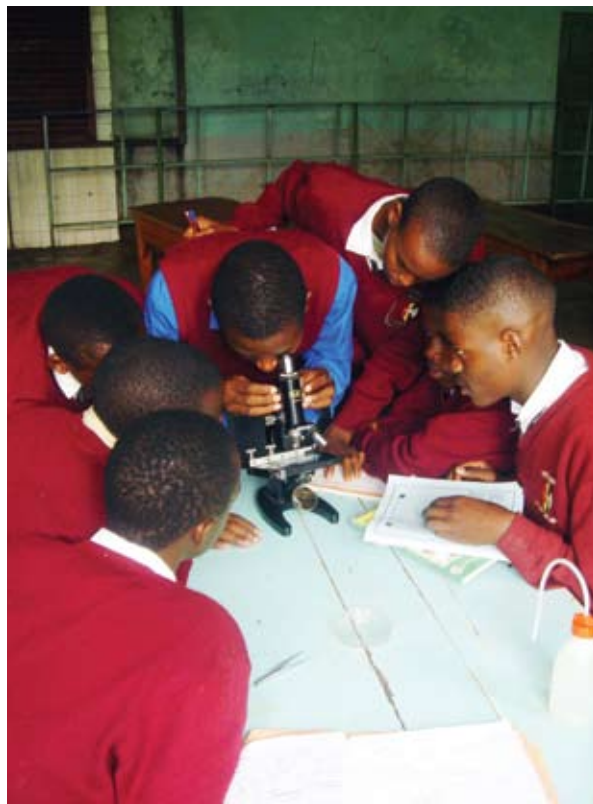
May 18: Travel to Meru. One of the things that strikes me immediately about being in Nairobi is the number of people. The sidewalks are filled, the sides of the road are filled, the roads are filled. There are donkey-pulled carts next to bikes next to trucks next to buses next to ubiquitous vans called "matatus" which carry passengers as surrogate taxis throughout the country. Very minimal

imposing gate. After settling in, it's over to Meru School to meet the headmaster, David Kariuki, and reacquaint with some of the teachers that have been working with us the past four years.

The excitement of arrival is in hearing the latest rankings for the school from David. Meru School, like any other school in Kenya, is judged based on the performance of its students. When the initial request came to provision computers in 2003, the school was ranked nearly at the bottom of the nation, close to 500th. In 2007, Meru, through the headmaster's energetic leadership, the teacher's dedication, and the boys' hard work had climbed to be a top fifty school in the nation, number one in its region. To hear the headmaster talk about it, it is a miracle.



Photos courtesy of Alan Cattier



May 20: Today is spent updating the computers and talking with the faculty. With me are three colleagues from Emory's Academic and Administrative Information Technology Division: Ade Afonja, David Lower and José Rodriguez. Updating the lab takes but a few hours, but in the course of doing it, we soon realize that the Internet connection we enabled two years ago, paid for by the school's alumni, is barely serviceable. We contact the provider and attempt to troubleshoot, but the reliability is just not there.

The incredible thing about the boys at this school—indeed, my perception of many of the people I meet in Kenya—is just how much good they can derive from a challenging situation. On this day, a German teacher walks in with his class and sends his students to their e-mail. In his class, he has established a conversation between students in Kenya and students in Germany discussing global warming. Students in Meru can easily see the glaciers on nearby Mt. Kenya melting, and they e-mail with their counterparts observations about temperature and precipitation and the changing nature of each other's environment. Many of these boys had never seen a keyboard, much less a computer, when they arrived at the school. But here they were, being witnesses and teachers of their place. There isn't much bandwidth in Meru compared to America, but there is enough to do this.

residents for training in Meru. What I find in the facility is an incredible sense of family and community working together on health issues. This is particularly striking in the children's ward and the palliative care clinic for AIDS patients. As sobering as a place like this can be, it is positively alive.

May 22: David and I travel to Isiolo, a town with a significantly higher Islamic population that sits at the edge of a desert landscape. At no time in Kenya do I feel like there is a recognizable context for me, but this area is a vision. In a very compact area you see Bedouin tending their camel herds, Christian Kenyans in normal Western attire, Islamic women dressed in black wearing full face veils and a traditional abaya, and then the Maasai, with their Scottish-inspired tartan patterns with ornate jewelry and necklaces. I have trouble believing what I am seeing.

Going to Africa inspires this type of reaction. It is the sense of reckoning incredible difference at every pole of navigation. I am ever so grateful for the sheer privilege of my family, my friends, my education, my country, my job—but none of them had prepared me for this trip or for this moment. It is the invitation, for me, to see and know the world afresh for both its beauty and hardship and rawness and difference. Speaking of privilege, I am grateful to have the moment.

May 21:

As Ade and Jose work with faculty and students at the Meru School, David and I travel with Dr. Schuchard and his wife, Keith, to a nearby village, Maua, to visit a hospital. The place is just pulsing with people. We're there to inventory infrastructure and technology in case the University decides to send medical

EMORYPROFILE ELOISE CARTER

By
Beverly
ClarkA Natural
Teacher

Oxford College Biology Professor Eloise Carter transforms Bear Creek into an outdoor classroom during the Oxford Institute for Environmental Education.

Eloise Carter stands knee deep in Newton County's Bear Creek, clearly in her element as she helps her students collect creek critters as part of a lesson in investigative learning.

"Wow, look at that! It's so cool," Carter exclaims with infectious enthusiasm, and then explains that the bug in the bucket tray is a "water boatman. See the two paddlers out on either side? Really neat." It's just one of many teachable moments in a typical day for the Oxford College biology professor and passionate ecologist.

As one of the leaders of the Oxford Institute for Environmental Education held every June, Carter has helped more than 250 educators become better, more engaging teachers by experiencing science at the hands-on level. (See story p. 1).

Her dedication to the award-winning program reflects a certain hard-wired ethos to throw open the windows to knowledge at every opportunity. But Carter, who grew up in Rome, Ga., as the daughter of an insurance salesman and a teacher, initially had no intentions of becoming one herself. But she is quick to clarify, "It never occurred to me that people didn't have a responsibility to teach others."

"Part of the payback of getting an education is you hold a responsibility to teach those skills and share that knowledge with others, whether they're your clients, your co-workers, your family or

your friends," she says. "If you know something, you should share it with other people."

Carter came to her calling when she began working in Emory's biology department in the early 1970s. After earning a bachelor's degree in biology at Wesleyan College in Macon, Ga., Carter headed to Emory to work as a research technician in the labs of the University's biochemistry department, where her ability to connect students with content was first noticed. She eventually began working on her master's in biology, using the Emory staff courtesy scholarship, and then went on to get her Ph.D.

She spent several years as an instructor at Agnes Scott College while she was working on her doctorate at Emory. "Every day was two days, morning to night, but I loved what I was doing," Carter recalls. She then joined Emory's biology department as an assistant professor in 1984 and moved to Oxford in 1988.

"I love the biology department at Oxford because the mission here is excellence in undergraduate education, and that's my passion," Carter says. Overall, Carter has spent nearly 35 years at Emory as a student, staff member and now faculty at Oxford. "I've had every possible parking tag out there," she says with a laugh.

Bilal Sarwari, an Oxford graduate and rising junior in Emory College who is working as an intern this summer in the environmental institute, is one of countless students Carter has inspired. His time as a student in Carter's popular field botany

course — where most of classroom and lab time is spent outdoors — "was the best learning experience in my life. She's an incredible teacher," he says.

"She doesn't spoon feed you the information. She makes you experience it, and feed yourself the knowledge," Sarwari says. "Before she would give you the identity of a plant or tree, she would make you look at it, examine it — smell it, touch it, taste it. Then she would tell you what it was. To this day, I can remember and identify all of the plants she taught us about."

Over the years, Carter has received a host of teaching honors, including the University's Emory Williams Distinguished Teaching Award. She also has been awarded the Meritorious Teaching Award by the Association of Southeastern Biologists, and has been recognized at Oxford with the Phi Theta Kappa Teaching Award and the Fleming Award for Excellence in Teaching.

She's also taken her teaching knowledge into book form as the co-author, with Emory emeritus faculty

member Judy Morgan, of "Investigating Biology," now in its sixth edition.

"The manual provides a way to teach labs that are inquiry-driven, but manageable, and has helped change the way introductory biology is taught," she says. Carter also is the co-author of "Guide to the Plants of Granite Outcrops" with Bill Murdy, dean emeritus at Oxford. The photographic field guide was published by the University of Georgia Press in 2005 and reflects her research passion.

In addition to her teaching responsibilities, Carter is now serving as project shepherd for Oxford's massive science building initiative, which involves collaboration among faculty, staff, alumni and students to create "facilities for science in the 21st century."

A space-needs assessment during Oxford's master planning process found a 58 percent deficit in the amount of laboratory space Oxford should have for its students. In addition to larger classrooms and labs with state-of-the-art instrumentation and plenty of ventilation hoods, the building will offer under-

graduate research labs and ample meeting space for faculty and students to gather and collaborate.

For now in Pierce Hall, where the science and math departments are housed, faculty have made creative use of space, such as converting storage closets to undergraduate research areas.

"Pierce has sort of become a sandbox for us, where we can experiment and practice methods and approaches to our teaching to see if it works, and if it's something we want to incorporate in the new building," Carter says.

In her spare time, Carter is an avid gardener who loves to cook up vegetarian meals for herself and her two daughters, Cyndi and Stefanie (Stefanie is a junior in the College). Carter also knits, and shares her skills with students and others at Oxford as leader of an informal knitting club. Her recreational activities, Carter points out, are plant based. "I just love plants," she says. "Plants are the connection to everything: food, fiber, ecology, health, medicine, recreation."

EMORYALUMNI

B. Jones Scholars reunite to celebrate program's 30th anniversary

BY JOHN INGERSOLL

More than 100 Bobby Jones Scholars and others affiliated with the program converged on Emory June 19–22 for the 30th reunion of this unique exchange. Named for Robert T. Jones Jr., the legendary golfer who studied law at Emory in the 1920s, the scholarship is shared by Emory University and the University of St Andrews in Scotland. Starting with one student each in 1976–77, the program has now exchanged 244 British and American scholars.

During their stay on the Clairmont Campus, reunion participants attended lectures

and tours at Emory, enjoyed a reception at East Lake Golf Club and a luncheon at Atlanta Athletic Club, and closed the week with a black-tie farewell banquet at the Carter Presidential Center. Dwight Andrews, Emory professor of music, ended the festivities by performing "Amazing Grace" on the saxophone, following comments by President Jim Wagner and Stephen Magee, vice principal of the University of St Andrews and a performer by Bobby Jones Scholar Stuart Ambrose '01C, currently Sir Lancelot on the national tour of the musical "Camelot."

Wagner has stressed often that the Bobby Jones Scholarship is a jewel in Emory's crown — a unique program in international friend-

ship that has strengthened the ties between the University and St Andrews to the point where faculty members now regularly visit each other's departments.

The University of St Andrews was chosen as Emory's partner partly because the town of St Andrews' connection with Jones — who won the British Amateur there on his way to the Grand Slam in 1930 — and bestowed upon him the citizenship of the royal borough of St Andrews in 1958. This was the first time in 199 years that an American had been so honored, the last being Benjamin Franklin.

The University of St Andrews mirrors Emory in many ways, as a strong research institution with strengths in the arts and sciences, and housing a

divinity school.

Bobby Jones Scholars are among the four most outstanding graduates of each institution and are free to pursue any course of study they wish at their host university. Having already received their baccalaureates, they need not seek a degree but may explore disciplines they did not have time for at home, or they may delve more deeply into their fields of interest.

The reunion featured lectures by Harriet Robinson, research professor and chief of microbiology and immunology at Yerkes National Primate Research Center, a leader in the development of an HIV vaccine; Catherine Lewis '90C, professor of history at Kennesaw State University

and curator of the "Down the Fairway" exhibition on Bobby Jones at Atlanta History Center; Patrick Allitt, professor of American history and author of "I'm the Teacher, You're the Student"; tours of the Michael C. Carlos Museum, the Math & Science Center, Candler Library and the Quadrangle; and visits to the Georgia Aquarium and the High Museum — as well as a round of golf for devotees of Jones' celebrated calling.

Several Jones Scholars were featured speakers at various events, including Hamish Taylor '84B, a St Andean who earned an MBA on his scholarship at Emory and is now an industry leader in Scotland and winner of the Sheth Distinguished International Alumni Award.

EMORYADMISSIONS

Emory partners in nationwide quest for talented, low-income students

BY BEVERLY CLARK

Emory has joined a select coalition of universities and colleges that have partnered with QuestBridge, a national non-profit that links highly qualified, low-income students with full four-year scholarship opportunities at some of the nation's best colleges.

The QuestBridge College Match program includes Princeton, Yale, Stanford, Columbia and Rice universities, as well as small liberal arts colleges such as Bowdoin, Oberlin and Wellesley.

Scholarship winners are culturally, ethnically and geographically diverse. This academic year, 79 percent of the scholars are the first in their families to attend a four-year college. Students typically have family incomes under \$62,000 a year, and 40 percent come from families with incomes less than \$20,000. Nearly 90 percent graduated in the top 10 percent of their high school class, and 22 percent were ranked first.

"QuestBridge will allow us to cast a wider net to find highly qualified, low-income students," said Santa Ono, vice provost for academic initiatives. "QuestBridge does an excellent job of identifying such students, and helps them overcome some of the most significant barriers they face in their pursuit of a college education, namely a lack of access to information and counseling."

Earlier this year, Emory launched the Emory Advantage financial aid program, which reduces debt burden for families with annual incomes of \$100,000 or less that demonstrate a need for financial aid. The program reduces the amount borrowed to pay for an undergraduate Emory degree. Students from families making less than \$50,000 annually can graduate from Emory debt-free, and loans are capped at \$15,000 for families earning more than \$50,000 but less than \$100,000.

The goal is to make an Emory education attainable for any qualified student, regardless of income, which makes QuestBridge an excellent match to help the University find students who can benefit from the program, said Jean Jordan, interim dean of admission.

"QuestBridge begins working with talented, low-income students early in their high school careers, and works to guide them to some of the most selective colleges and universities in the country. Their connections in these students' schools and communities will help Emory become more well-known as a choice for them," Jordan said.

QuestBridge was founded by Stanford alumni to identify high-achieving, low-income students nationwide, assist them with their applications and help them identify competitive colleges they would like to attend.

"We are pleased to welcome Emory University as a QuestBridge partner. We are very thoughtful in choosing partner institutions, and we know that at Emory we have found a partner with both outstanding academic programs and a sincere interest in mentoring and supporting the nation's most talented low-income youth," said Mike McCullough, CEO of QuestBridge.

Through the College Match Program, high school seniors chosen as finalists have their names and applications submitted by QuestBridge to college "partners" during the early admissions cycle in lieu of submitting their applications directly to schools.

The colleges then rank the students they are interested in, and the students rank their top-choice colleges. If there is a match, the student may attend the school and receive a scholarship package that includes full cost of tuition, books and room and board. Students who do not find a match during the early admissions cycle may apply to their choices during regular decision.

More than 100 full scholarships were awarded last year. QuestBridge estimates that an additional 500 were admitted to partner schools through the regular decision process with extremely generous financial aid packages. For more information, visit www.questbridge.org.



Bryan Meitz

Camper Will Said collects tennis balls during Emory Tennis Camp. This summer marks the last season for the long-running program.

TENNIS CAMP from page 1

Emory community because there are now many tennis camps in the metro area.

Yet Emory Tennis Camp is still a big part of young lives in Atlanta. The camp remains an important component to the tennis careers of Graham Mellen, 15, and Josh Weston, 13.

"This camp is my base of operation," said Weston. Weston has been coming to the camp since he was 5, and while he considers all his other tennis outlets very influential to his game, he said the Emory Tennis Camp is the most important. Mellen has been a part of the camp since age 7 and said he is sad to see it end, and disappointed that his younger brother will not get to grow up with the camp. "I've been here half of my life," Mellen said. "I didn't know how to play and they taught me. I've really improved."

The camp is both about learning to play tennis and having fun. Simply put by Schroer, the campers wouldn't come back if they weren't having fun. The sport can be frustrating and hard to learn at times, Schroer said, but the camp offers quality instructors

and a program that is dedicated to teaching all aspects of the game. After the tennis instruction in the morning, participants enrolled in the "Computers plus Tennis" component spend three hours in the afternoon learning about computer programs, the Internet and computer graphics.

When asked what he hopes the children have gotten out of the 40 years of the Emory Tennis Camp, Schroer replied, "The love of the sport." Tennis is lifetime sport that people can always play, he said. "It is a game that we can play when we are 80 and 90. You just can't do that with other sports."

Schroer said that the best thing about running the camp is the "satisfaction of knowing we did a good job and the satisfaction of contributing to tennis."

He did not cite a specific reason for retiring the camp, but indicated that after 40 years it seemed like the right time. However, children in the Emory area don't have to go far to find another tennis camp. Young tennis players can sign up for the Emory Eagles Total Tennis Summer Camp offered on the Clairmont Campus.

As for Schroer, he can still be seen around campus teaching tennis and racquetball.

CAMPUSNEWS

Center for Lifelong Learning gets boost for senior education

Emory's Center for Lifelong Learning has received a \$100,000 grant from the Bernard Osher Foundation to support the growth of the Center's continuing education programming, specifically for senior learners and retirees.

As a recipient of the grant, CLL's Academy for Retired Professionals will be renamed the Osher Lifelong Learning Institute at Emory, joining a nationwide network of other Osher Lifelong Learning Institutes located in colleges and universities in nearly every state in the country.

"The Osher Grant is a major boost to the Center for Lifelong Learning. The support allows us to take our programming to the next level at a time when demand for continuing education is expected to explode as baby boomer's begin to retire," said Steve Stoffle, CLL executive director.

Since 1979, the CLL has provided non-credit education courses to seniors and retirees in the Atlanta community. Four quarters a year, OLLI at Emory (as it will now be known) offers more than 30 courses on such subjects as languages, personal finance, philosophy, history and writing.

The Bernard Osher Foundation is a charitable foundation established in 1977 by Bernard Osher, a businessman and community leader in San Francisco. Since 2001, the foundation has been offering \$100,000 annual grants in three-year grant cycles to lifelong learning programs across the U.S.

— Beverly Clark

VISUALARTS

Last chance to see 'Color: A Spectrum of Sound—Music as Metaphor in the Visual Arts'

The exhibition of visual artist Lori-Gene's works, titled "Color: A Spectrum of Sound - Music as Metaphor in the Visual Arts," has been extended to Wednesday, July 4. This is the last chance to see the free show by an Atlanta-based artist, now on display in the Schatten Corridor Gallery of the Woodruff Library. The gallery is open during the library's regular summer hours.

In addition to Lori-Gene's widely exhibited music-based drawings, the show includes the first-ever public exhibition of oil paintings by the artist. This exhibition was created in conjunction with a multi-disciplinary concert event featuring the Emory Wind Ensemble.

About these works, Lori-Gene said she "combines the phenomena of motion, sound and sight to create an image of the passion that is heard and felt through music." She frequently draws in the midst of musicians. "Through a unique empathy, I merge with musician and instrument, feeling them become the music they play ... I connect with an ineffable quality present in all the arts ... line, form and color are as such properties of sound as of visual art. The result is something entirely new, a drawing or painting that the viewer can hear as well as see," she said.



CAMPUSCLUBS

Toastmasters@Emory helps its members converse with confidence

BY KIM URQUHART

A local club is toasting its third year of helping its members become better communicators and leaders. Toastmasters@Emory, a branch of the worldwide nonprofit Toastmasters International, has helped Emory employees such as Belinda Browning overcome the common fear of public speaking.

Browning's work as a training specialist for Emory Healthcare often involves presentations, yet she knew she could use some improvement and turned to Toastmasters for help. "I used to speak very fast and ramble," she said. "Toastmasters has been a good support group and has given me a lot of guidance. I speak much slower now, and get right to the point."

The club meets each Wednesday morning, during which every member has the opportunity to practice the skills useful to public speaking, including presenting speeches, conducting meetings and providing feedback. A distinctive feature of Toastmasters is continual evaluation, where members recognize the speaker's strengths and offer suggestions for improvement.

Toastmasters is a learn-by-doing workshop, fostering a unique learning environment with an atmosphere of professional camaraderie. In contrast with a debate team or costly seminar, Toastmasters offers a chance to improve public speaking skills "in a non-competitive fashion that's ongoing," said Lee Pasackow, Goizueta Business School librarian and the club's vice president of membership.

At the June 13 celebration of the third anniversary of the club's charter, founding member Kai Young shared the club's history. Young, who now works at the Centers for Disease Control and Prevention, formed Toastmasters@Emory in 2004 with a few of her fellow students at the Rollins School of Public Health. "I wondered,

how could I be effective as a public health leader?" explained Young. Seeking answers to that question led to the discovery of Toastmasters International, which has several local branches — including one at The Carter Center — but none that were active at Emory.

"We know people needed this club," Young said, "and I'm proud to be able to have been a part of this and get it started." She used the celebration as an opportunity to thank those who "shepherded the club," including long-time Toastmaster Kimsey Pollard. Pollard was Young's mentor at the Georgia Tech Toastmasters chapter that inspired the Emory students to begin a branch at Emory.

From the beginning, Young said it was "a priority that the club be open to the community since Emory is such a resource." The club grew from a handful of members to its current contingent of nearly 40 — a diverse group of Emory staff, students, faculty and neighbors.

"The beauty of Toastmasters is getting to know people from across the campus and having the opportunity to learn from them," said Pasackow. "It's a real service to Emory."

Members say the skills developed in Toastmasters have helped them in their careers as well as in their daily lives, from taking leadership roles in business and community activities to making casual conversation.

"Toastmasters can help you to be better understood when communicating with others on a daily basis, or to be more effective in working and communicating with large groups," said club president Carol Tucker-Burden, a research supervisor in the School of Medicine. The Toastmasters program can be tailored to meet the needs of each member, from offering a training ground for seasoned speakers to providing a supportive environment for the less bold to build confidence.

"The goal is to give everybody an opportunity to speak at each meeting," explained

Carol Froman, senior editor in the School of Medicine, as she introduced the day's "Table Topics" — an extemporaneous speaking exercise and a regular feature of a Toastmasters meeting, along with prepared speeches and evaluations. Froman was that day serving as the "Table Topics Master," one of the many leadership roles members can fill each meeting. And the business portion of a meeting gives members the opportunity to learn parliamentary procedure and meeting etiquette.

Leadership is an important component of the Toastmasters program. "Communicating effectively is one of the most important aspects of leadership," said Jane DiFolco Parker, vice president of operations for the Office of Development and University Relations and the keynote speaker at the June 13 celebration.

"Toastmasters is an incredible tool," added Lee Holliday, District 14 governor of Georgia Toastmasters and a special guest at the charter celebration. "In Toastmasters we acquire skills to be better communicators. That is so intimately linked with being a leader you can't separate the two."

Karen Newman, who served as Toastmaster of the Day, urged members to "find different ways to step up and be a leader in our world and our environment." Toastmasters provides "a wonderful, safe environment to practice in," Newman, an independent consultant, added.

Tucker-Burden invites the Emory community to visit the club's weekly meetings from 8 – 9 a.m. in the Dental School Room 231. "We get the day going with laughter and advice, which is sure to be the best cure for the ills of public speaking," she said.

For information on membership dues and other aspects of Toastmasters@Emory, visit <http://emory.freetoast-host.info>.

EAGLEUPDATE

Emory athletes soar in Eagles spring season

BASEBALL

The Emory Baseball Team's 2007 season raised the program to new heights, as the Eagles came just one game shy of a national championship, finishing second overall in the nation.

Emory finished the season with a 43–10 record, setting mark for the most wins in Emory baseball history. Along the way, the Eagles of Head Coach Mike Twardoski captured the National Collegiate Athletic Association South Region championship, the University Athletic Association Championship and the Rawlings Southern Classic Championship.

Senior pitchers Jason Glushon and Ian Ganzer were a formidable tandem and combined for 23 victories. Glushon has recently signed a free-agent deal with the Oakland Athletics.

Juniors Frank Pfister and Joe Roth led the Emory position players with both their bats and gloves. Pfister, a third baseman, set an Emory record at the plate with a .387 batting average while, Roth's 58 runs batted were the third-most in Emory history. In addition, Roth was named the nation's gold-glove second baseman with a .987 fielding percentage.

GOLF

The Emory golf team continued its legacy of success, advancing to the NCAA Championships for the fifth straight year while ending the season ranked No. 10 in the nation.

Head Coach Mike Phillips saw his squad capture the UAA championship, the program's 11th in 20 years of league competition and first since 2004. Emory also registered first-place finishes at the prestigious Gordin Collegiate Classic and Rhodes Collegiate Invitational.

Individually, senior Rod Olivero and sophomore Jeremy Evans earned all-region honors.

MEN'S OUTDOOR TRACK AND FIELD

The Emory Men's Outdoor Track and Field Team reasserted itself on both the conference and national levels this season with the Eagles sending six qualifying runners to the NCAA Division III National Championship, one of which was named an All-American for his performance, and finished second at the annual UAA Championship meet.

Newcomer Frederick Linton led the Eagles at the National Championship meet, becoming the Eagles' first All-American since the 2004 season. The junior finished fourth in the 400-meter dash, registering a time of 47.23 second in the preliminary race, the second-fastest time in school history.

The Eagles came within a whisker of claiming the UAA championship, finishing just 1.5 points behind the winning team. Linton became the UAA Champion in four separate events (the 200- and 400-meter dash, and as a member of the 400- and 1,600-meter relay teams), and was named the UAA's Most Outstanding Performer for running events. Senior Rob Leventhal captured the UAA Championship in the 800-meter run, while senior Brandon Rowlett finished first in the high jump. The Eagles' five total UAA Champions (three individual events and two relays) were a vast improvement from the previous season, when the Eagles registered just one UAA Champion.

SOFTBALL

The Emory softball team enjoyed a stellar season, finishing with an overall record of 33-8 that included the program's sixth trip to the NCAA Tournament where it advanced to a coveted berth to the NCAA College World Series for the third time in school history.

Under the direction of Head Coach Penny Siqueiros, the Eagles finished with a No. 7 national ranking, its highest effort since the 2003 season.

Junior second baseman Ali Braverman was named a third-team All-American while a total of six players landed All-Atlantic Region acclaim.

MEN'S TENNIS

The Emory men's tennis team registered yet another outstanding season, advancing to the NCAA D-III championship match against University of California-Santa Cruz. The Eagles of Head Coach John Browning compiled a dual record of 22-9 and finished ranked No. 2 in the nation. Led by sophomore Michael Goodwin and senior Yoji Masuoka, Emory claimed the school's 18th consecutive UAA championship.

WOMEN'S TENNIS

Despite having five freshmen on a roster of eight, the Emory women's tennis team showed a resolve that saw the Eagles finish the spring portion of its schedule with a 14-9 overall record.

And although the Eagles' streak of four-straight national championships was broken, the team did record its 20th-consecutive UAA Championship while advancing to the NCAA South Regional Championship match.

John Farina is sports information director for Emory Athletics.

CAMPUSNEWS

University-wide policies and procedures consolidated online for easy reference

Up-to-date University-wide policies and procedures can now be found with the simple click of a mouse at www.policies.emory.edu. The new Web site, accessible from the Emory home page and searchable by topic, provides a standardized and uniform process for the approval and dissemination of policies with university-wide applications.

Academic and Administrative Information Technology, the Office of General Counsel, Human Resources and other administrative units collaborated to design and implement the central online repository for policies. Each division that has university-wide policies was asked to review its policies for accuracy and applicability. Appointed divisional representatives were provided training on the policy content management tool that was developed in-house by AAIT. The divisions' policies were then moved from divisional Web sites onto the centralized site.

Going forward, all new policies and revisions to current policies will be managed through policies.emory.edu.

"The University owes great thanks to everyone who worked on creating this resource, which will be invaluable," said Vice President and Deputy to the President Gary Hauk.

— Kim Urquhart

RESEARCH ROUNDUP

NIH awards Emory \$3.6 million for schizophrenia gene research

The National Institute of Mental Health of the National Institutes of Health has awarded Emory School of Medicine a \$3.6 million research grant to test schizophrenic patients for a recently discovered variation in the human genome. The project is led by Stephen Warren, Timmie Professor and chair of the Department of Human Genetics.

Recently, scientists have discovered an entirely new and previously unknown form of variation in the human genome, called "copy number variation." This variation includes deletions and duplications of segments of DNA previously unrecognized in the general population. Scientists now believe every individual may carry as many as 100 CNVs. While these variations generally do not cause disease on their own, said Warren, in combination with other genetic changes and/or environmental factors they may well contribute to one's overall risk of disease.

Using cutting-edge technology — "DNA chips," manufactured by NimbleGen Systems Inc. — the Emory project will screen a collection of 500 schizophrenic patients and 500 individuals without schizophrenia for CNV throughout the entire human genome. Scientists can array 2.1 million locations in the genome on a single chip. The project team will use the new Emory high performance computer cluster to analyze the data.

"By helping us identify CNVs, we believe this new kind of chip technology may lead us to the specific genes that influence schizophrenia and other major psychiatric diseases," said Warren.

Common genetic variation linked to substantial risk in heart attack

A common genetic variation on chromosome 9p21 is linked to a substantial increase in risk for heart attack, according to a new international research study published in *Science*.

Researchers found individuals with the variation have a 1.64-fold greater risk of suffering a heart attack and a 2.02-fold greater risk of suffering a heart attack early in life than those without the variation. Approximately 21 percent of individuals of European descent carry two copies of the genetic variation, found on chromosome 9p21.

The study led by deCODE Genetics along with Emory, Duke and the University of Pennsylvania, uncovered the first common variant found to be consistently linked to substantial risk of heart attack in multiple case-control groups of European descent.

"The gene variant we have linked to heart attack points us to a major biological mechanism that substantially increases the risk," said Emory cardiologist Arshed Quyyumi, one of the study authors.

Quantum dot nanotechnology reaches clinical lab

Bioconjugated quantum dots — luminescent nanoparticles linked to biological molecules — have shown great promise as tools for disease diagnosis and treatment, but their medical use has been limited by the lack of specific instructions for clinicians. Now, new clinical protocols detailing how to prepare, process and quantify these tiny particles will arm laboratory physicians with the information they need to track biomarkers in cells and tissues. The new research guidelines and results were published in the May 3, 2007, issue of *Nature Protocols*.

Using prostate cancer specimens, researchers at Emory and the Georgia Institute of Technology have confirmed that bioconjugated quantum dots are effective in simultaneously identifying multiple molecular biomarkers in cancer tissue. The technology is a variation of immunohistochemistry, the laboratory staining process commonly used by pathologists to identify proteins in a tissue section from a cancer patient.

The scientists developed detailed protocols for using the technology, including antibody conjugation, preparation of tissue specimens, multicolor quantum staining, image processing and biomarker quantification, as well as bioinformatics and software tools.

New DNA tests advance treatment of lysosomal storage diseases

A new set of laboratory tests using gene sequencing is able to help confirm 24 lysosomal storage diseases, providing physicians and patients the tools for more accurate and rapid diagnosis. Lysosomal storage diseases are a group of more than 40 inherited and potentially life-threatening disorders that cause enzymes to malfunction in cellular compartments called lysosomes. This leads to the accumulation of waste products that damage organs and tissues.

Emory's Genetics Laboratory, which developed the gene sequencing tests, offers the most comprehensive list of sequencing tests in the United States for lysosomal storage diseases, according to genetics counselor Vanessa Rangel Miller. For more information, visit www.geneticslab.emory.edu.

—Staff Reports

SCHOLARSHIP & RESEARCH

Marino joins cetacean scientists to set record straight on dolphin intelligence

Bryan Meltz

Emory's Lori Marino and 15 other leading marine mammal scientists have banded together to counter a neuroscientist's claims that the intelligence of dolphins, whales and porpoises is largely overrated. Marino, who produced the first comprehensive analysis of the evolution of dolphin brain size in 2004, served as lead author on a paper rebutting those claims.

BY CAROL CLARK

When a South African neuroscientist published a controversial paper on dolphin brains last year, then capped it by telling the media that the beloved marine mammals are dumber than goldfish, Lori Marino's inbox was flooded with e-mail.

"Dolphins are hot-button animals and that paper got a lot of press," she said. "Journalists were calling me from all over asking, 'What do you think of this?'" Her answer: not much.

"The author disregarded decades of work showing very complex cognitive abilities in dolphins," said Marino, a senior lecturer in Emory's Neuroscience and Behavioral Biology Program, who produced the first comprehensive analysis of the evolution of dolphin brain size in 2004.

Paul Manger, of Johannesburg's University of the Witwatersrand, contended in his 2006 paper that the relatively large brains of dolphins are due to a preponderance of fatty glial cells, which evolved to keep their brain neurons warm

in the cold ocean environment. He theorized that the intelligence of cetaceans — including dolphins, whales and porpoises — was largely overrated.

"I was floored that his paper saw the light of day," said Marino. Her groundbreaking research has shown that dolphins can recognize themselves in mirrors, a feat of intelligence previously believed limited to humans and their closest primate cousins.

Marino and 15 other researchers — an international "who's who" of leading marine mammal scientists — have banded together to counter Manger's claims. Marino served as lead author for their paper, titled "Cetaceans Have Complex Brains for Complex Cognition," which appeared in the May issue of *PLoS Biology*, a peer-reviewed journal of the Public Library of Science.

"The paper summarizes everything we know about cetaceans from an evolutionary, neurological, behavioral and social point of view," Marino said. *PLoS Biology* is an open-access journal, available via the Web site www.plosbiology.org.

Marino and her fellow researchers are currently working on a more technical, point-by-point scientific rebuttal of Manger's paper. She expects it to be published by early next year in the *Biological Review* of the Cambridge Philosophical Society, the same journal that published Manger's paper.

"We want to be in the record in the literature, to address all of his points and basically correct the inaccuracies," she said. "Dolphins are smart, complex and sophisticated creatures. I don't want people to get an impression of them that is based on bad science."

While dolphins are intelligent, many people "go overboard" in the other direction and project all kinds of mystical qualities onto them, Marino added. "They are mammals that live in a totally different world than we do, so there is a sense of mystery. But dolphins are not from another planet. They have not been shown to have healing abilities and they don't exist just to help people."

It is in the best interest of people, and of the animals that they admire, "to stay within the boundaries of what we have evidence for," Marino said.

SCHOLARSHIP & RESEARCH

Chemists awarded grant for solar energy research

As part of the U.S. Department of Energy's push to bolster basic solar energy research, Emory researchers recently received a \$900,000 grant from the DOE's Office of Science to develop a more robust and efficient way to convert solar energy into fuel.

The grant's principal investigator, Goodrich C. White Professor of Chemistry Craig L. Hill, said he and his collaborators are focusing on creating a device capable of more efficiently splitting water molecules into hydrogen and oxygen using sunlight.

Creating such a device to produce fuel from solar energy has challenged researchers for some time. Successfully doing so requires the synthesis of unique materials, meticulous structural design, as well as computational and experimental analysis in the face of entropy.

"Our future as a civilization, as a society and as a planet will rely on us having a source of fuel that's renewable and sustainable. And the only clear way to do this in the long term is to split water. Green plants also convert light into chemical energy. During photosynthesis, they convert water and carbon dioxide into sugars and oxygen," said Hill.

Hill's co-principal investigators at Emory include Professor of Chemistry Tim Lian and Principal Scientist and Director of the Emerson Center Djamaladdin Musaev.

The researchers' grant was part of the DOE's \$22.7 million in basic research projects aimed at improving the capture, conversion and use of solar energy with the aim of increasing the amount of solar power used in the nation's energy supply. Hill's project, one of 27 funded, will focus on fundamental science to support the use of solar energy. The research will be conducted at universities and national laboratories in 18 states.

Fourteen of the 27 projects will focus on converting solar energy to electricity, and the remaining projects, including Hill's, will focus on converting solar energy to chemical fuels for use in transportation as well as residential and industrial applications.

The basic solar research program is administered by the Department of Energy's Office of Energy Science in the Office of Science. For more information, visit www.sc.doe.gov/bes/bes.html.

—Robin Tricoles

SCHOLARSHIP&RESEARCH

Drew Westen's 'Political Brain' gets Democratic candidates thinking



Visit the ER Web site at www.emory.edu/EMORY_REPORT to read Westen's words of advice to Democratic presidential candidates.

When reason and emotion collide in voters' minds, emotion invariably wins, explains Emory psychologist Drew Westen in his new book, "The Political Brain: The Role of Emotion in Deciding the Fate of the Nation."

BY CAROL CLARK

Drew Westen's cell phone is ringing a lot these days. "Sorry," he says, "I had to take that. It was about a meeting with a candidate."

Which candidate?

"I'm not at liberty to say," he replies.

Presidential?

"I'm not at liberty to say," Westen repeats, but he probably wouldn't win at poker.

An Emory professor of psychology and psychiatry, Westen looks the part of a serious academic, a bit harried and disheveled. His eyes, however, continuously sparkle with light-hearted humor.

The phone rings again. Westen checks the caller ID and smiles mischievously. "It's my editor. He can wait."

Last September, The American Spectator magazine invited Westen to Washington to talk about the book he was writing, "The Political Brain: The Role of Emotion in Deciding the Fate of the Nation," to a private political audience. Interest in Westen's work has been building ever since, and will likely intensify with the book's publication this month by Public Affairs of New York. Democratic party leaders, congressional representatives and leaders of progressive organizations have all been on Westen's calendar.

Howard Dean, chairman of the Democratic Party, gives this endorsement on the book's back cover: "Drew Westen is a must read for any Democrat who wants to win in Mississippi, Colorado or rural Ohio. In 2008, we will win the presidency if our candidate reads and acts on this book."

Westen, who grew up in North Carolina and Atlanta, has been a Democrat since he was a child and passed out Hubert Humphrey bumper stickers at a shopping mall with his brother. "I'm hoping that the messages in my book will be more effective

than the leafleting I did as an 8-year-old," he says. "I wrote it because I couldn't stand the direction the country was going anymore, watching the Iraq war, the spiraling deficit and the timidity of the Democrats."

The main thesis of "The Political Brain" is that emotion is more important than logic in determining how people vote. This explains why Democrats keep losing elections "despite polls showing that the average voter agrees with Democratic positions on most policy issues, from protection of the earth to fairness to middle-class taxpayers who want nothing more than a better life for their children," Westen writes.

The book offers a scientific analysis of voter psychology based on Westen's decades of research and clinical experience. It's also a primer for Democrats on how to stop hemming and hawing and craft compelling campaigns that grab the electorate in the gut.

"The reality is, if you can't speak the truth and win elections, then you're probably speaking the truth badly," Westen says. In the political arena, he contends, facts and logic don't necessarily speak for themselves — they need candidates who can step up to the plate and hit verbal home runs.

Al Gore blew it during a 2000 presidential debate by being dispassionate, Westen says. When George W. Bush accused him of improprieties in campaign fundraising, Gore responded with statements like, "Look, Governor Bush, you have attacked my character and credibility and I am not going to respond in kind."

Westen says Gore would have won a lot more votes by launching a fiery counterattack on Bush's character, drawing on a huge store of ammunition. In "The Political Brain," Westen writes the response he wishes Gore had made, including lines like: "When I enlisted to fight in the Vietnam War, you were talkin' real tough about Vietnam. But when you got the call, you called your daddy

and begged him to pull some strings so you wouldn't have to go to war. So instead of defending your country with honor, you put some poor Texas mill worker's kid on the front line in your place to get shot at. Where I come from, we call that a coward."

Gore checked his emotions at the door because poll results showed that people don't like bickering, Westen says. Democrats have run such lackluster campaigns the past two presidential elections, "Winnie the Pooh could have beaten them," he complains.

Westen joined Emory in 2002, where he specializes in personality disorders, psychotherapy research and political psychology. For 20 years, he has explored the role of emotions in how the brain processes information. A recent groundbreaking study he led at the University used functional neuroimaging to examine committed Democrats and Republicans, who were asked to evaluate negative information about their candidates just prior to the 2004 presidential election. The network of emotion circuits lit up in the brains of the subjects, while areas of the brain normally engaged in reasoning showed no increased activity.

"The Political Brain" is a hybrid of such scientific research and his passion, Westen says. "I realized that I couldn't just write a dispassionate treatise. That would mean writing in a style that runs against everything I'm advocating. Science without passion and values behind it doesn't do anybody any good."

The science on global warming has been clear for at least a decade, he notes, "but it wasn't until Al Gore stopped talking like a politician and started talking like a passionate person that people paid attention. God bless Gore for pulling together the data on global warming. But God bless the producers of 'An Inconvenient Truth' for knowing how to make those data scary and moving enough to get people to act."

CAMPUSPLANNING

A moving moment at the new School of Medicine



Ira Schwartz, Emory School of Medicine dean of admissions, unpacks a mountain of boxes in the new School of Medicine Education Building, as administrative and support staff began moving in from the Woodruff Health Sciences Center Administration Building next door. The new \$58.3 million, 160,000-square foot building is the first facility dedicated to medical education in the history of the Emory School of Medicine and one of the finest medical education facilities in the United States.

The building was planned and built with a new curriculum in mind, and in July the next class of medical students will be the very first to experience this new facility as well as the innovative curriculum. A grand opening is planned for September.

OXFORD from page 1

Carter and Theodosia Wade. Sallie Burn, a teacher in Decatur City Schools, also is an instructor in the program.

"What teachers have found when they return to their own schoolyards and use what they have learned, is that students are more interested in their work," said Baker, OIEE director. "Teaching through inquiry-based methods is one of the best ways to teach kids about the sciences. They're not just learning things out of a book. The students get excited about science and about doing science, and that makes it all worthwhile."

OIEE is housed at the Oxhouse Science Center near the Oxford campus. The 47-acre ecology laboratory includes a small lake and 40 acres of forest, grassland and easy access to both pristine and polluted streams in the area. In addition to the field trip to collect samples in Bear Creek, the educators learned the basic principles of ecology in terrestrial and aquatic ecosystems, how to apply this knowledge to lesson plans, and how to develop their schoolyards for environmental education.

"Science materials can be limited, so it's been great to learn how to work with what you have. It's been amazing to learn how many investigations you can do right in your own schoolyard," said Lynn Jones, a science teacher at Havana Elementary School in Gaston County, Fla., near Tallahassee.

Jones is a beneficiary of the OIEE's new Live Oak Initiative, funded by a \$150,000 grant from the Arthur Vining Davis Foundations to extend OIEE recruitment to teachers in South Georgia and North Florida. The funding also is providing online schoolyard ecology lesson plans for teachers and a science education symposium where OIEE veter-

ans can demonstrate how they have implemented concepts in their schools.

Past teachers report that the program has a profound impact on how they teach science — and how their students learn it — while improving math and reading skills in the process. Some OIEE veterans have gone on to secure grants and volunteers to build outdoor classrooms and nature trails, Baker said.

"We get teachers with every level of experience in science and ecology, and every one of them leaves with renewed confidence and enthusiasm for teaching environmental education," said Baker, who attributes the program's success to its emphasis on investigation.

"This has been the best teacher education program I have ever participated in. It's like summer camp," said Wyczalkowski. "The instruction has been incredibly relevant and is helping us to focus on ways to teach children to understand that, while the urban areas we live in are human-made, we are all part of — and need to have a respect for — the bigger picture."

The institute is free for educators accepted to the program, plus each receives a \$369 stipend and six professional learning units required for their certification. Once teachers complete the program, they also receive \$100 to use for classroom supplies provided by a grant from Chevron Texaco Corporation. The program is funded annually through the Improving Teacher Quality Grants Program, the Georgia Power Foundation, the Georgia Wildlife Foundation and Oxford College.

For more information, go to www.emory.edu/OXFORD/Academics/oiee/.

@emory

For online event information, visit www.events.emory.edu.

Events for the Emory Community

PERFORMING ARTS

SATURDAY, JUNE 30 Concert

"Love, Farewell and Beyond." Jeremiah Selvey, baritone; and Joel Bevington, piano, performing. 7 p.m. Trinity Baptist Church (301 Honey Creek Rd., Conyers) Free. 770-922-8944

FRIDAY, JULY 6 Dance Festival

"Atlanta Contact Jam." Dance Studio, Schwartz Center. \$40-50. iteague@emory.edu. Through July 8.

VISUAL ARTS

SATURDAY, JUNE 30 Carter Center Exhibit Opening

"Beyond the Presidency: 25 Years of The Carter Center." The Carter Center Library and Museum. \$8; seniors (60+), military and students, \$6; Children (16 and under), free. 404-865-7101. Through Nov. 25.

Carlos Museum Exhibition

"Cradle of Christianity: Jewish and Christian Treasures from the Holy Land." Carlos Museum. \$15; Museum members and children, free; On Wednesdays, students, faculty and staff, free. 404-727-4282. Through Oct. 14.

MARBL Exhibition

"Exploring the Danowski Poetry Library." Level 2, Woodruff Library. Free. 404-727-6887. Through June 30.

Schatten Gallery Exhibition

"Color: A Spectrum of Sound-Music as Metaphor in the Visual Arts." Schatten Gallery, Woodruff Library. Free. 404-727-0136. Through July 4.

Schatten Gallery Exhibition

"Dreaming Cows." Betty LaDuke, artist, presenting. Schatten Gallery, Woodruff Library. Free. 404-727-0136. Through Aug. 15.

MARBL Exhibition

"Benny Andrews: Voice of the Artist." Level 10, Woodruff Library. Free. 404-727-6887. Through Sept. 10.

Pitts Theology Library Exhibition

"John Henry Cardinal Newman and the Oxford Movement." Durham Reading Room. Free. 404-727-1218. Through Sept. 15.

LECTURES

MONDAY, JUNE 25 Lecture and Book Signing

"The Political Brain." Drew Westen, psychology and psychiatry, presenting. 6:30 p.m. Manual's Tavern (602 N. Highland Ave.) Free. 404-712-8780

TUESDAY, JUNE 26 Art Lecture and Book Signing

"Cradle of Christianity." Bruce Feiler, author, presenting. 7 p.m. Trinity Presbyterian Church (3003 Howell Mill Road). \$10; Two free tickets may be reserved by those with a valid Emory e-mail address. 404-727-4282.

WEDNESDAY, JUNE 27 Women's Health and Wellness Lecture

"Planning a Baby: How to Optimize Your Outcome." Jane Mashburn, nursing, presenting. Noon. 125 Candler Library. Free. 404-727-2031.

THURSDAY, JUNE 28 Surgical Grand Rounds

"Surgical Options in Advanced and Metastatic Renal Cell Carcinoma." Viraj Master, urology, presenting. 7 a.m. Emory Hospital Auditorium. Free. 404-778-1903.

Clinical Ethics Seminar

4 p.m. Rita Anne Rollins Room, Rollins School of Public Health. Free. 404-727-5048.

TUESDAY, JULY 10 Carlos Museum Lecture

"Cradle of Christianity." Julie Galambush, College of William and Mary, presenting. 7 p.m. Reception Hall, Carlos Museum. Free. 404-727-4282.

SPECIAL

THURSDAY, JUNE 28 Discussion

"Opportunities for Interfaith Dialogue and Discussion." Clergy from Atlanta churches and synagogues, presenting. Noon. Cannon Chapel, Brooks Commons. Free. 404-727-4282.

WEDNESDAY, JULY 11 Learning Services Workshop

"Communicating For Results." 8:30 a.m. 100 Human Resources Center. Free. 404-727-7607

THURSDAY, JULY 12 Surgical Grand Rounds

"Daniel Collier Elkin: Rem Acu Tetigistius." Thomas Dodson, surgery, presenting. 7 a.m. Emory Hospital Auditorium. Free. 404-778-1903.

CORCES from page 1

disadvantaged backgrounds to study biology. As part of the program, promising students from Baltimore public schools worked in Corces' lab under the supervision of graduate students and post-doctoral fellows. He will continue a similar program at Emory with students from Atlanta's public schools.

Corces is principal investigator of a National Institute of Health grant studying factors involved in the regulation of

nuclear architecture. He received his Ph.D. in biochemistry from Autonoma University of Madrid, where his research focused on the biochemistry of microtubule-associated proteins and the specificity of their interaction with DNA. He completed his postdoctoral work in 1982 in the Department of Biochemistry and Molecular Biology at Harvard University.

Corces has been a member of the Genetics Study Section and Biomedical Sciences Study Section of the NIH, and

the Science and Technology Research Centers Review Panel of the National Science Foundation. Corces received the Johns Hopkins Alumni Association Excellence in Teaching Award in Arts and Sciences.

Emory's Department of Biology includes 30 faculty, 369 undergraduates, 18 graduate students and 27 postdocs. The department's sponsored research base for the 2006 calendar year includes \$4.3 million in total grant funding.

CAMPUSCONTEST

Novel-writing contest aimed at Emory's aspiring authors

Emory's Creative Writing Program, in conjunction with faculty member Neil Shulman, is sponsoring a University-centered contest for would-be novelists. All members of the Emory family, including staff, faculty, current students, alumni and members of Emory Friends organizations, are eligible to participate in the competition, which will result in publication of the winning novel.

Authorship of the novels to be entered in the contest can include up to two collaborators. Writers who have already published a book-length work of literary fiction, non-fiction or poetry are not eligible to enter. To register go to:

www.cradiance.com.

Entrants must submit, via cradiance.com, at least 30 and up to 50 pages of their manuscripts by Feb. 1, 2008. Ten finalists will be announced April 2 and will have two weeks to submit completed manuscripts of their novel by April 16. Winners will be announced in mid to late May.

The prize for the contest will be publication of the novel; all rights will remain property of the author. One hundred printed copies of the novel will be part of the writer's prize.

"There are so many would-be novelists out there. This will give them the impetus they need," said Jim Grimsley, director of Emory's Creative Writing Program and senior resident fellow in creative writing.

Shulman, author of "Doc Hollywood," said he hopes to inspire others to write and that this contest provides an opportunity to do so. "Everyone has a table of contents inside them that can add to the knowledge of the world," said Shulman, associate professor in the School of Medicine whose book and Web site "Get Between the Covers" offers tips and resources for writers.

—Kim Urquhart

CAMPUSSUSTAINABILITY

Bicycle raffle first in series of Bike Emory initiatives

Congratulations to Kevin Wu (pictured), a senior research specialist at the Emory School of Medicine, who was randomly selected from more than 500 participants in the Bike Emory raffle at Staff Fest. Wu is now the proud owner of a Fuji Crosstown 1.0 Hybrid Bicycle.

This is the first in a series of Fuji bikes that will be given away to employees and students at events in the coming months through Bike Emory, a new program designed to promote a healthier, more sustainable university and to encourage bicycling within the community.

Bike Emory is a new University partnership with Fuji bikes and Bicycle South. Sign up now for the Bike Emory list-serv by e-mailing BikeEmory@listserv.emory.edu and be the first to learn about upcoming events, special incentives and giveaways.



Bryan Melitz