

TEMPLE TIMES

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Global living and learning community students Eva Cohn, Alyssa Berger, Yen-Yen Chen and Lawrence Waters share a laugh in a common area of the Temple Towers residence hall.

Joseph V. Labolito

Temple at top in *Diverse* ranking

University is in the top 10 for number of African-American bachelor's degrees

By Jazmyn Burton
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Diverse: Issues in Higher Education has ranked Temple among the top 10 institutions in the nation to grant bachelor's degrees to African-American students.

The annual ranking is based on 2009-10 graduation rate data compiled by the U.S. Department of Education.

According to *Diverse*, Temple is ninth in the nation in the total number of bachelor's degrees awarded to African-American students. Of the eight universities ahead of Temple, four are historically black institutions and three are online universities.

National graduation studies show that on average about 54 percent of four-year college students graduate in six years. For African-American students, that figure drops to 41 percent.

Temple improved its graduation rate among its African-American student body by 6 percent over the previous year, which helped raise the institution's ranking into the top 10, according to the report.

An improvement in Temple's academic advising structure is just one of the factors impacting the university's growing graduation rate among African Americans, said Peter Jones, senior vice provost of undergraduate studies.

"Academic advisors are on the front line of the effort to increase our graduation and retention numbers," said Jones. "Right now, 67 percent of all students graduate in six years and about 24-25 percent drop out in the first year. In an effort to grow our retention numbers, academic advisors meet with undergraduates on a consistent basis to make sure they receive the help they need."

Advising improvements in the last decade have already yielded significant increases in Temple's graduation rates, a development that was noted in



Global living

New living-learning community is part of Temple's efforts to welcome international students

By Eryn Jelesiewicz
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For Alyssa Berger it was learning the differences between American and German culture. For Eva Cohn it was making the decision to study in China. These moments stand out for the roommates who came together this semester at Temple's newest living and learning community (LLC), a wing of Temple Towers dedicated to international exchange.

"The Global LLC is a way for Temple to deepen its commitment to internationalization," said Brooke Walker, assistant vice president in the Office of International Affairs. "A big part of this effort is recruiting and welcoming international students and scholars to Temple."

The office has committed to doubling the number of international students coming to Temple, and this year that number has topped 2,000 for the first time — a 6 percent increase from last year. Currently, there are 2,000 international students and 396 scholars at Temple. Most of the students are from China (23 percent) followed by South Korea

(13 percent) and India (11 percent).

Temple is not alone in experiencing an influx of students from around the globe. According to a new report from the Institute of International Education, the number of international students at colleges and universities in the U.S. increased 5 percent to 723,277 last year.

The Global LLC brings together 32 students, six to a suite, with each American student matched with an international student.

"The arrangement is helping us overcome the difficulty that exists at all universities in integrating international students into the student body," said Michelle Brito-Barton, program coordinator in the Office of Education Abroad and Overseas Campuses. "The international students come here wanting to experience American culture and make American friends. And while our American students may be interested in befriending international students, it's

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Student video series focuses on Temple transformations

Temple's Office of University Communications has begun a new video series that profiles students and the opportunities available to them at Temple. Titled "Faces of Temple," the series features video clips of students telling of meaningful experiences that have shaped their perspective and career aspirations. The 2-3 minute clips are published each Monday on the Temple news center, news.temple.edu, and promoted in the daily Temple Today e-newsletter. Four profiles have been covered so far this semester, and the feature will continue throughout the academic year. Faces is a continuation of last year's successful effort to demonstrate the impact of a Temple education as the university made its case for funding during Pennsylvania's budgeting process.

If you know a student who has had a transformative experience that would make a compelling video, please forward his or her contact information to hjh@temple.edu for consideration.

Students featured in the series so far include:

Nicole Welk

Year: Senior
School: Tyler School of Art, College of Liberal Arts

Major: Art history and anthropology
Home town: Quarryville, Pa. (Lancaster County)

Why I chose Temple: "I'm from a family of dairy farmers in a small, rural town, but when I came here I knew that Temple was the perfect school for me. I liked the diverse nature of the student body, the fact that Tyler is one of the best schools in the country, the affordability and the urban location. The city has great opportunities for jobs and

internships — I work at the Philadelphia Museum of Art, the Temple Performing Arts Center and I give Segway tours around the city. It helps that Temple has a good reputation among employers here."

Transformative moment: "I received a Creative Arts, Research and Scholarship grant from Temple to do an exhibition called 'Anthropology Speaks.' I had the opportunity to put the artifacts of Temple's Anthropology Lab on display, from a Cashinahua monkey tooth belt from Peru to a Samoa boat model that once belonged to the Commercial Museum of Philadelphia, a museum that is no

Faces continued on 2

Diverse continued on 5

Global

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difficult for it to happen organically. Through the LLC, we're hoping to bridge this gap."

The Office of International Affairs has also taken other steps to make campus friendlier for international students and reduce barriers for international applicants. For example, orientation now provides more information on international study; a reception was held this fall to welcome international scholars; and the office arranges airport pickups for international students arriving in the U.S. Also, Temple's International Educator's Academy, now in its second year, helps faculty internationalize their classes (see article, page 3).

Changes also have been made to streamline the application process for international students.

While the university has made great strides, Hai-Lung Dai, senior vice provost for international affairs, wants to do more.

"It's not good enough just to get international students to campus," he said. "Once they get here, we really have to step into their shoes and think about what they need. The support of the entire Temple community is critical to the university's success as a global campus."

Alyssa Berger, a junior international business major from Uhldingen-Muehlhofen, in southern Germany, said choosing Temple and living on the Global LLC was the perfect decision for her.

"It is a great opportunity to learn about other cultures," said Berger. "I really like the concept that every international student shares a room with an American student. You can make friends quickly and easily."

Berger's roommate, Eva Cohn, a freshman anthropology major from Annapolis, Md., learned about the LLC at orientation and decided to apply to live there.

"I figured I could always have the freshman dorm experience but that I might as well try and just go for it. I didn't know it would be such a great living experience," she said.

Cohn and Berger live in a suite with two Taiwanese students, a student from Lancaster, Pa., and a student from Philadelphia. Down the hall are students from Great Britain, China and France.

Together they take a class where they explore everything from living in a foreign country to cultural values. At night, they often gather in one of the suites to cook and eat together. And on weekends, they explore the city together.

Sometimes though, it's the seemingly small occurrences that can be the most meaningful.

"A few nights ago, I had to read an article about Taiwan for class and I ended up talking to a Taiwanese girl down the hall. She gave me the best background and history," said Cohn. "I felt like it was just as valuable as the article." u

First Eisner Prize awarded to Temple's Intergenerational Center

By Renee Cree
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Nancy Henkin, director of Temple's Intergenerational Center, believes that, just as it takes a village to raise a child, it takes a village to support individuals and families at all stages of life.

It's that belief that for the past 32 years has driven her to create programs at Temple that bridge the generation gap and help people of all ages contribute to their communities.

Under her direction, the center recently became the first recipient of the Eisner Prize for Intergenerational Excellence, a \$100,000 national award given to organizations that have lasting success in uniting seniors and youth to bring about positive changes within the community.

Headed by former Disney CEO Michael Eisner, the Eisner Foundation began giving out the award this year "to identify and reward those individuals and organizations in this nation that have utilized children and seniors as



Nancy Henkin (middle, with Michael Eisner and his wife Jane Breckenridge) recently accepted the first ever Eisner Prize for Intergenerational Excellence, from the Eisner Foundation.

received the national E Pluribus Unum Award, which recognizes outstanding immigrant integration initiatives.

In addition, the center's Time Out Respite Program, which recruits and trains students to provide in-home support for families caring for frail elders, received a grant from Phillies Charities, Inc. for its overall dedication to making a positive impact on the community. Henkin, whose own father was diagnosed with Alzheimer's, engages Time Out students to visit her father on a weekly basis to provide support and companionship.

"The Eisner Prize has raised awareness about the importance of bringing generations together to strengthen communities," said Henkin. "For too long, we have viewed young people and older adults as problems rather than resources. In these challenging times, we have to build upon the strengths of all generations to make communities good places for growing up and growing older." u

assets" in creating changes within the community.

The center has achieved great success with its programs. Just this summer, Project SHINE, a program that connects student volunteers with older immigrants to help them learn English and become engaged in the community,

Faces

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longer in existence. It was a big step for me. Working on the exhibition helped me put my foot in the door with the Philadelphia Museum of Art because I got experience with curatorial work. Now I have a paid job there. I'm doing the work that I want to do. I'm an ethnographer, doing anthropology in the museum and trying to understand more about how people relate to objects and to art."

View Nicole's video at http://news.temple.edu/news/faces-nicole_welk

Albert Padilla

Year: Senior
School: College of Health Professions and Social Work
Major: Athletic Training
Home town: Bronx, NY
Why I chose Temple: "After spending ten years active service in the Marine Corps, I started thinking about where I wanted to continue my education. I grew up in New York City, so I loved the city atmosphere that Temple's campus offers. I love Philadelphia – that big city feel without the overwhelming crowds and cars. I like being able to enjoy the many restaurants and the ease of travel to most destinations in the greater Philadelphia area."

Transformative moment: I enjoy working with athletes and building a relationship of trust in the care that is given to an athlete. Because of my military background, fitness is something that's very important to me, so I love being a part of the process that gets athletes back to a competitive level. I worked hard throughout my classes and my clinical rotations, and Dani Moffit (director of the athletic training program) and Jaime Mansell (clinical coordinator of the athletic training program) recognized that. Jaime highly recommended me for the Minnesota Vikings summer training



WELK



PADILLA



STROMAN

camp internship, and it felt so good to know that my hard work was being recognized. The level of support they give to their athletic training students is unmatched.

View Albert's video at news.temple.edu/news/faces-temple-albert-padilla

LaToya Stroman
Year: Senior
School: School of Communications and Theater
Major: Broadcasting, telecommunications and mass media
Home town: Philadelphia
Why I chose Temple: "I originally went to another school. But then there was a fire in my home and I had to leave college and work full time to help my mother and put my sister through school. I ended up at the Community College of Philadelphia. I was more mature, more focused — and I had a plan. I knew I wanted to do something in the communications world — to be a positive image for young women — and I knew Temple had a great communications school. I took advantage of the core-to-core transfer agreement between Temple and CCP [that accepts transfer students who have earned an appropriate associate's

degree as having met Temple's core requirements.] For me, it was a second chance."

Transformative moment: "I remember sitting on a friend's couch, checking my e-mail and reading the words 'Congratulations, you have been accepted to the School of Communications and Theater's Study Away program in London.' That's when I knew my life would be changing. And it did. I had the opportunity to live and study in London. I loved it. I loved the classes (my favorite was travel writing), I loved the diversity of London and I loved the people. I interned at Shorts International, a film company. They offered me a job when I graduate. I think that living in another country and really digging into their culture made me more marketable. I have a broader world view."

View LaToya's video at news.temple.edu/news/faces-temple-latoya-stroman

David Lopez
Year: Junior
School: College of Liberal Arts
Major: Political science and philosophy
Home town: Hazleton, Pa. (Luzerne County)
Why I chose Temple: "Temple was

affordable for me. But it was also because Temple offers great networking opportunities. I was set on going to Washington, D.C., for college, but then I started to realize that Philadelphia offered just as many opportunities, and I could still do an internship in D.C. — and that's what I did. Philadelphia has given me a competitive edge."

Transformative moment: "It happened before I even became a Temple student, when I took a campus tour. My tour guide blew me out of the water. I decided I wanted to be a tour guide too, so I became an Owl Ambassador. It's busy, it's crazy and it has been the foundation of everything that I've done at Temple. You meet people. You build relationships. That's how I got involved in Temple Student Government, for instance. I'm thinking of running for TSG president. Public service is something I've always been interested in. I want to go to law school and one day be an elected official. Being an Owl Ambassador has helped, because to succeed in public service, you have to be well spoken and be able to think on your feet."

View David's video at news.temple.edu/news/faces-temple-david-lopez u

Short-term study abroad offers concentrated global experience

By Brandon Lausch
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Iris Kapo's introduction to study abroad came during her freshman year, when she participated in a short-term program, Destination India, through the Fox School of Business.

Although Kapo is no stranger to international travel — she was born in Albania and lived in Greece for eight years — the short-term study abroad program opened doors. It changed the way she interacted with people. It made her more open-minded, understanding and curious.

"If you can't afford, either because of time or finances, to study abroad for a whole semester, at least you say I'll go for two weeks, and even though it was a short span of time, I took advantage of every minute and I learned everything I possibly could in that time period," said Kapo, a double major in international business and management information systems. "Once you get out there, you want more."

For the university's Center for International Business Education and Research (CIBER), the first provider of short-term study abroad at Temple, "getting more" is the point. Temple CIBER, based at the Fox School, offers short-term study abroad to attract students who are typically underserved in study abroad: males, minority students, athletes and certain majors that have lockstep curriculum that makes it difficult to spend a summer



Temple students and miners at the Ashanti Gold mine in Kumasi, Ghana prepare to descend 800 feet into the mine during a January 2010 short-term study abroad trip.

or semester abroad.

In addition, many participants have never left the country before their short-term study abroad experience but then enroll in a second study abroad program, according to Kim Cahill, director of Temple CIBER and the Institute of Global Management Studies.

"We're giving a chance to students who wouldn't have had that opportunity, and then it's providing a stepping stone for the freshmen or sophomores who say, 'Wow. I have to have another experience,'" Cahill said.

That's exactly what Kapo did. After returning to Main Campus for a semester following her trip to India, she embarked on a study abroad experience in Spain during her sophomore year. As a junior, she landed an internship with the U.S. Department of Commerce's Export Assistance Center, which sent her on a summer internship to Mexico City.

Short-term study abroad consists of two weeks of intensive in-country study — academic lectures, corporate site visits and cultural excursions — in January. Students prepare for the trip

in three pre-departure meetings that include reading assignments, quizzes and guest speakers. At the last session before departure, student teams make presentations on locations or companies they will be visiting and develop questions to ask once they arrive.

The program, a three-credit special topics course in international business, is open to all Temple students and fulfills a general education World Society credit. Reflective journaling is a big part of the experience, and students return in the spring semester

to complete an independent research project with a faculty advisor.

The program has visited India three times and Ghana once. The next trip, again to Ghana, is scheduled for January, and CIBER is in the early planning stages for a 10-day trip to Vietnam in May. The program focuses on less-common destinations in emerging markets because of the growth and expansion opportunities in those countries.

Mary Conran, a marketing professor who has led short-term programs in India and Ghana and is championing the potential trip to Vietnam, has taken students to an automotive manufacturing plant, bottling plant, gold mine and stock exchange, among other sites. Students learn how globalization is happening in real-time. They also meet top executives, nonprofit directors, ambassadors and others who share insights on the challenges of emerging economies joining the global marketplace.

Students in her groups have included majors ranging from accounting and risk management to engineering, education and theater. No matter the major, she said study abroad transforms students' personal goals and career aspirations. She also knows recruiters love discussing study abroad experiences in interviews.

The more unique the situation these experiences provide," she said, "the more unique the conversation with potential employers." u

Academy helps educators enhance the global mindset

By Eryn Jelesiewicz
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For a university, going global can be like peeling the layers of an onion. The top layers are sending students out to study abroad and bringing international students in to study here. There are also the transnational collaborations among researchers. Deeper down and harder to reach are internationalization at the classroom level and fostering a global perspective among students, faculty and staff.

Given Temple's commitment to globalization, a group led by Human Resources sought to find a way to achieve this deeper level of engagement. Last year they created the International Educator's Academy (IEA), a university-wide professional development program for faculty and staff that promotes international education, research, cultural competence and entrepreneurial efforts at Temple. This year's 38 participants, about half of whom are faculty and half administrators, are meeting for three and a half days over the course of the fall semester.

It's part of a larger effort to advance Temple as a global leader. Over the next 10 years, Temple aims to double the number of international students studying here and the number of Temple students studying abroad. Setting a goal is not enough, however, university leaders say. The university also needs to increasingly internationalize its mindset and environment.

According to Senior Vice Provost for International Affairs Hai-Lung Dai, the IEA is important because internationalization can be a difficult

IEA members

Members of the IEA organizing committee include:

n Denise Connerty, assistant vice president, Education Abroad and Overseas Campuses

n Brooke Walker, assistant vice president, Global Programs and International Student and Scholar Services

n Marie Amey-Taylor, assistant vice president, Human Resources

n Rebecca Beeman, senior associate director, Fox Executive MBA Program

n Kimberly Cahill, director, Institute for Global Management at Fox

n Larry Krafft, professor, College of Education

n Emily Moerer, assistant vice provost, undergraduate studies

n Jaime Molyneux, associate director, Education Abroad and Overseas Campuses

n Dominique Kliger, assistant vice provost; director, Distance and Summer Programs

n John Smagula, director of Asian programs, Beasley School of Law

natural state of being. A dual citizen with a British mother and American father, Howard grew up in England and has spent a great deal of his adulthood in the U.S. All of his classes, even those not focused on international issues, have an international flavor. He participated in last year's IEA and is running workshops on curricular internationalization in this year's session.

"You want to bring an awareness that there's a big world out there into the classroom," said Howard.

In one of his courses, the U.S.-focused "Business and Public Policy," Howard reinforces relevant international elements.

"When I'm talking about the American political system, I consciously talk about it comparatively," said Howard. "There's gridlock in Washington. Are there other countries where we see this problem? If not, why?"

In his IEA workshop, Howard offered other suggestions on adapting a class or curriculum:

n When using video or audio, use international examples.

n Talk about foreign scholars and their work.

n Highlight foreign news coverage of an issue or event.

n Invite foreign guest speakers.

n Connect virtually with foreign students and teachers.

n Engage with a business that operates transnationally.

Kim Cahill, director of the Institute for Global Management at Fox and a member of the IEA organizing committee, suggests doing something as simple as using a foreign case study.



Political Science Professor Alistair Howard leads a workshop on internationalizing the curriculum at Temple's International Educator's Academy.

She has also worked with others to create certificates, concentrations and minors with an international focus.

At the October session, participants offered their own suggestions and experiences, which is what the majority want out of the IEA — the opportunity to hear what others are doing and network.

"One of the advantages of the academy is that it brings together people with similar interests, ideas, expertise and passion so that maybe what they couldn't pull off alone, they can accomplish by leveraging the collective experiences of colleagues," said Cahill.

"The student is the ultimate beneficiary here," said Marie Amey-Taylor, assistant vice president of Human Resources and a member of the IEA Advisory Committee. "We want to ensure that all students, both at home and abroad, have an international experience so they can be competitive in the global workplace."

"With globalization, learning about other cultures and the way other nations solve problems is no longer optional," said Dai. "Ideally, every Temple student would study abroad. But if we can't bring all our students to the world, we have to bring the world to our students." u

Global Temple at a glance

Two global campuses: Temple Rome, Temple Japan

Approximately 975 students studied abroad in 2010-11, an 18 percent increase over five years and 156 percent over 10 years

2,396 international students and scholars studying and working at Temple this year (2,000 students plus 396 scholars)

Affiliations with 144 international universities in 45 countries and 20 additional pending agreements

International student recruiting office in Beijing opened in 2010

Global living and learning floor in university housing

Annual international business research conference run by the Institute of Global Management Studies and Temple CIBER at Fox

International Advisory Council, established in 2010, advises the Office of International Affairs on issues pertaining to global education, study abroad, and global partnerships and programs.

A select group of faculty experts counsel the Office of International Affairs on certain areas of the world.

Annual Global Temple conference showcases Temple's international research, projects and programs.

Monthly International Educator's Roundtable shares best practices and leverage university expertise and resources.

All undergraduates are required to take World Societies (or study abroad) as part of GenEd.

Eagles GM describes journey from intern to NFL leader

By Brandon Lausch
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Howie Roseman's relentless hunt for a general manager position in the NFL, his singular focus on attaining that position since age 9, his years of letters and calls to team front offices are the stuff of legend.

Mike Tannenbaum was the first to crack, giving Roseman five minutes for an interview in player personnel with the New York Jets in 1999. Although Tannenbaum didn't give Roseman the job, he did recommend him to Philadelphia Eagles President Joe Banner, who initially hired Roseman as a temporary, unpaid intern with little more than the side of another employee's desk to call his office space. But, at age 24, he made it.

Roseman – now general manager of the Eagles and the youngest person in the NFL to hold that position – visited Temple's School of Tourism and Hospitality Management on last month to tell some 150 students how he became one of the Eagles' top decision makers.

But first, he gave the audience a disclaimer: "I can't really explain why we're 3-5."

Roseman's path to the NFL is, in a word, untraditional. He didn't play college or pro ball, but his strengths fit those of a GM. The Fordham Law School graduate intimately understands the salary cap and player contract negotiations, assesses and values talent, and constantly researches and scouts for college and professional players.

He also knows he can't do

everything and that "you're only as strong as the people around you." In the Eagles front office, those people include Banner, head coach Andy Reid and team owner Jeffrey Lurie.

"It's important for great organizations to have debate," Roseman said, adding, "and then coming out on the same page and in the same direction." In addition to healthy debate, Roseman said taking risks is part of the job. In recent years, those have included signing controversial wide receiver Terrell Owens and quarterback Michael Vick, and trading quarterbacks Donovan McNabb and Kevin Kolb.

"I don't think it gets more controversial than trading two guys we think can be franchise quarterbacks back-to-back," Roseman said. But, he continued, "If you don't take big risks,



Joseph V. Labolito

Howie Roseman visited Temple's School of Tourism and Hospitality Management last month to tell some 150 students how he became one of the Eagles' top decision makers.

there's no way to achieve any sort of greatness."

His other key messages to students included the importance of self-confidence, persistence and choosing a career that's a labor of love.

"I may be the youngest general manager, but I'm trying to be the oldest general manager," Roseman said. "That's the goal."

Roseman's visit was the latest in

a series of Executive in Residence presentations at Temple's School of Tourism by members of the Eagles front office. Pamela Browner White, the team's former senior vice president of public affairs and government relations, spoke to students in fall 2009. Chief Operating Officer Don Smolenski visited in spring 2010, followed by Banner, the team president, earlier this year. u

MIS Department pilots iPad-driven honors course

By Michele Aweekly
For *The Temple Times*

On the first day of class, Carey O'Donnell's "Honors Information Systems in Organizations" students were told they were required to have two course materials: a textbook and an iPad 2. Expecting to spend nearly \$1,000, the students did not react well.

Responding to the uproar, O'Donnell said, "Tell you what — you work with me and I'll work with you. Textbooks and iPads are on me," and handed each of his 24 students a brand-new iPad 2.

After jaws dropped and the excitement settled, students were told that they just walked into O'Donnell's pilot study, "Digital Textbook Delivery and Content Management System Synchronized with iPad Devices: The New Classroom Learning Experience."

The concept is to teach material in a new way. Through the use of Courseload, an integrated platform that delivers course materials through web-enabled devices, O'Donnell hopes to save his students money and introduce what he believes will eventually be the only option for textbooks.

O'Donnell, an assistant professor who has been teaching at Temple for 10 years, developed the program after repeated frustration due to students having different editions of required textbooks. Research and business connections led him to Courseload, which worked with O'Donnell and his colleagues in Fox's Management and Information Systems (MIS) Department to create a portal for Community, the social media site MIS students use for classes and electronic resumes (e-portfolios).

"To create a collaborative environment, to give them powerful tools for presenting information — that's where the iPad came in," O'Donnell said.

The pilot study was made possible by a generous grant given by a group that "sees the program could be a game changer in terms of economics." O'Donnell said the

textbook required for the course costs \$195, but the Courseload version brings the price down around \$40. A program like this can end up saving students \$600-\$800 per year.

"The financial aspect is impossible to ignore," he said.

Along with iPads and e-books, O'Donnell is offering his students a new course structure. He decided it was time to let the students take over the classroom, so he split them up into five teams, each responsible for teaching two chapters of the textbook to their peers.

"Part of the thinking was that I want to see how these honors students want to learn," O'Donnell said. "They are our best and our brightest, so I wanted to challenge them to show me how creative they can be in terms of using all forms of multimedia to deliver content."

By mid-September, two teams had presented their designated material, incorporating video and social media to keep their fellow students engaged. Some of the most important factors of the program are peer feedback and developing professional development skills through public speaking and effective presentation practices.

Using Courseload, students are able to annotate and highlight sections of their e-books, and sync their notes with their group members, professor and entire class. O'Donnell can annotate a student's book individually, allowing him to give students personalized attention without having to work around hectic schedules and office hours.

"The flexibility it gives the instructor is phenomenal," O'Donnell said.

At the end of the semester, the iPads will be returned to the department and hopefully distributed to a new group of students in the spring.

"What we want to do is make sure people know the potential — share the information, share the things we've learned so that everyone can eventually take advantage of this technology and opportunity," he said. u



Joseph V. Labolito

Chemistry Professor Daniel Strongin is developing a technology to treat abandoned mine waters that could be used in the hydraulic fracturing process to extract natural gas from Pennsylvania's Marcellus Shale formation.

Acid mine drainage technology could aid Marcellus Shale drilling

By Preston M. Moretz
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A technology being developed by a Temple researcher as a solution to Pennsylvania's historic problem with acid mine drainage could also have applications for the state's newest environmental challenge: the hydraulic fracturing of Marcellus Shale.

Rock left behind in abandoned mines after coal is extracted contains sulfur impurities that decompose and form sulfuric acid when exposed to air, water and microbes. When water fills a mine's underground tunnels, sulfuric acid can leach off the walls and get into nearby groundwater, said Chemistry Professor Daniel Strongin.

While chemicals such as lime are often used to neutralize acidic runoff, they do not eliminate the root cause, said Strongin. So his lab is developing a technology that uses a specific class of lipid molecules that bind to the metal sulfide, forming a hydrophobic layer that keeps water, oxygen and bacteria from causing it to decompose.

Strongin, who has been working on developing this lipid-based technology for the past eight years, said that

approximately 2,400 miles of waterways in Pennsylvania are affected by the contaminated water from the abandoned mines, which is typically acidic and contains large amounts of heavy metals that are deadly to aquatic species.

"Pennsylvania spends roughly \$19 million a year to address this issue, largely due to the vast number of abandoned mining areas," he said. "I've read that it's estimated that it would cost \$50 billion to fix the entire problem."

Strongin now believes that mitigating acid drainage using lipid technology could enable the mine waters to be used in the process of extracting natural gas from the Marcellus Shale formation. During hydraulic fracturing, highly pressurized water is pumped into the earth to break or fracture the shale and extract the gas.

"The process requires a tremendous amount of water; essentially, in a given well you need 2-5 million gallons to fracture the rock and release the natural gas," he said. "As you might expect, people don't want to waste fresh water on that process."

Strongin said a panel commissioned by the governor of Pennsylvania has recently recommended using water from abandoned mining areas for

hydro-fracking the Marcellus Shale.

"It is my belief that our lipid technology could be used to stop acid mine drainage, or the root cause of acid mine drainage, in such a way that the waters emanating from these abandoned mining areas would be more usable in the hydro-fracking process," he said.

Strongin said there is a cost incentive to remediate abandoned mining areas — which are often in close proximity to the drilling areas — and the contaminated water emanating from those mines for use in the natural gas drilling.

"It cuts down on the costs to transport water to the wells, and you're not using fresh water resources for the drilling."

In addition to cleaning the acid mine drainage for use in drilling, Strongin also believes the lipid technology may be useful for cleaning the flow-back water that is a result of the hydro-fracking.

"A lot of the same chemistry that these lipids carry out on the acid mine drainage may be applicable to these contaminated flow-back waters, which carry a lot of dissolved solids and particulate matter," he said. u

Political scientist recognized for prescient political theory

In his 2009 book, Temple Professor Joseph M. Schwartz accurately predicted the emergence of inequality as a major political issue

By Kim Fischer
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Temple political scientist Joseph M. Schwartz has been awarded the prestigious David Easton Book Award 2011 for *The Future of Democratic Equality: Reconstructing Social*

Solidarity in a Fragmented America (Routledge Press, 2009). The award is presented annually by the American Political Science Association for the best book that “broadens the horizons of contemporary political science by engaging issues of philosophical significance in political life through

any of a variety of approaches in the social sciences and humanities.”

In his book — the writing of which was supported by a National Endowment for the Humanities fellowship — Schwartz predicted that inequality would become a major issue in U.S. politics, a theory proved true today. Written years before Occupy Wall Street and the Tea Party emerged as political movements, Schwartz’s work examined

the failure of our intellectual culture and politics to address the situation.

“Much of the growth of inequality in the U.S. has distinct political, not structural economic causes,” said Schwartz.

Schwartz argues that over the past 30 years most liberal and radical scholars shifted their focus away from interrogating social inequality to criticizing the liberal tradition for being inattentive

to the role of difference and identity in social life. This turn in political theory was useful for raising awareness of gender, racial and sexual oppression, said Schwartz, but it led many academics to forget about the role of “solidarity across differences” or a shared sense of common humanity in redressing inequality.

In *The Future of Democratic Equality*, Schwartz presciently contends that our growing global economic inequality is likely to produce a prolonged economic crisis. u



SCHWARTZ

Program puts undergrads on path toward health careers

By Renee Cree
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Even as a kindergartner, Priya Kothapalli knew she wanted to be a doctor. She says her parents have home movies of her at five years old saying she wanted to be a cardiologist.

So when the time came for her to begin looking at colleges as a high school senior, she wanted to go somewhere that would help put her on the path to medical school. She found it in Temple’s Health Scholar Program, coordinated by the Office of Pre-Professional Health Studies.

“The application process to get into medical school can be stressful and very intensive,” said Kothapalli. “This program is extremely helpful because it lays out exactly what you need. It offers a sense of security, which has given me the freedom to explore other things that Temple has to offer.”

The program is designed to offer undergraduates who are interested in a career in the health professions a guided pathway for admission into Temple’s schools of dentistry, medicine, pharmacy, podiatry and physical therapy, with a provisional acceptance.

Pre-med Health Scholars apply to the program while in their senior year of high school and then have the option of following a traditional four-year time frame toward preparing to apply, or they can opt for an accelerated program, which they apply for during their first semester at Temple.

Those on track for dentistry, pharmacy, podiatry or medical school have the opportunity to finish the fourth year of their undergraduate degree in their first year of professional school. Physical therapy students have a similar opportunity after their third year.

The Office of Pre-Professional Health Studies offers a structured advising process for students interested in health careers. Freshmen and sophomores begin assembling an

online portfolio that includes their academic history, personal profile, a personal statement explaining why they want to go into one of the health careers and a copy of their transcripts.

Juniors have their portfolio reviewed by the Office of Pre-Professional Health Studies and, if approved, go before a pre-health evaluation committee, comprising faculty members, alumni and administrators from Temple’s health professional schools.

“The portfolio allows us the opportunity to see how our students are progressing through their studies, give feedback, and offer direction and guidance,” said Neida Perez, director of the Office of Pre-Professional Health Studies.

The program also provides undergraduates with timelines to help them prepare to apply to one of the health science schools. Each timeline provides details on pre-requisite course requirements, when they should be scheduled, entrance exam preparation details and professional school application services.

In her last year of high school, Kothapalli interviewed with Perez and representatives of Temple’s medical school. She was accepted into the first group of students in the accelerated track in 2008, and will complete the fourth year of her major — biology — in May, as she finishes her first year of medical school.

Because of her enrollment in the Health Scholars Program, Kothapalli says she was able to do things as a freshman that she never thought she’d be able to do, such as shadow and conduct research with doctors in the hospital. She also feels well-prepared on the road to her childhood dream of being a doctor.

“Being able to walk right in and get guidance and feedback was a big help,” she said. “I knew where I wanted to go, but they showed me how to get there.” u



Physical Therapy student Rory English (in black shirt) works with patient Michael Parson, as Matthew Seigenfan, Professor Scott Burns, Ashley Plawa and Kathleen Paley observe.

Physical Therapy students help Back on My Feet runners prepare for Philly Marathon

By Renee Cree
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Doctoral students in Temple’s Department of Physical Therapy recently got some hands-on experience at a clinic held for runners with the non-profit Back on My Feet to help them prepare for last month’s Philadelphia Marathon.

Under the direction of Assistant Professor Scott Burns, students provided runners with neurological screening, strength and flexibility assessments and gait analysis, and offered information on musculoskeletal issues and treating

potential injuries.

“While the bulk of marathon training for these runners may be complete, they still may have some aches and pains that can be alleviated with simple treatment techniques and education about stretching, strengthening and warm-up and cool-down procedures,” said Burns. “It is crucial to catch these minor aches and pains before they become something more significant and result in lost participation.”

Third-year student Allison Harris says the clinics, which are held a few times each year to help Back on My Feet runners prepare for other big

potential injuries. races, offer a unique opportunity for students to get real-world experience.

“It gives us the chance to practice screening techniques with diverse populations and provides the runners with free evaluations and information on injury prevention,” she said.

Back on My Feet, a non-profit established in 2007, uses running as a vehicle to teach critical work and life skills to individuals living in homeless shelters. Members are able to advance through different stages in the program to gain job training, educational scholarships and housing assistance. u



Medical school admissions can be stressful, but Priya Kothapalli says she benefitted greatly from taking advantage from Temple’s Health Scholar Program. “It offers a sense of security, which allowed me to explore other things Temple has to offer.”

Diverse

From page 1

a recent story in the *Chronicle of Higher Education* (“Fast Gainers: 4 Ways That Colleges Have Raised Graduation Rates,” Dec. 5, 2010). New initiatives that will help advisors intervene before academic problems emerge, including the Risk-Based Retention Project and the Critical Paths Program, will continue to improve retention and graduation rates, as will

President Ann Weaver Hart’s recent commitment to hire more academic advisors and develop more opportunities for their professional growth.

Temple has a reputation for being an attractive option for African-American students across the country.

Misia Denea Cole, a native of Silver Spring, Md., and 2007 Boyer College of Music and Dance graduate, says she remembers hearing about the work of Kariamu Welsh, former chair of the dance department, while she was still in high school.

Welsh and other noted faculty and graduates became the deciding factor in Cole’s decision to enroll in Temple as an undergraduate dance major.

“I wanted to be close to D.C. and still have the experience of going to school in the city,” she said. “I was also intrigued by Philadelphia and the work of artists and faculty like Charles Anderson, Tania Issac and Kariamu Welsh. There seemed to be a very strong and diverse core of students here that I knew I could learn from and collaborate with.” u

Lizard locomotion study could aid elderly, robotics

By Preston M. Moretz
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Every day we traverse a wide variety of surfaces — hard, smooth, soft, rough; everything from concrete to stone to wood, metal, tile, carpet, dirt and grass.

What helps us to instinctively adapt while walking in changing environmental conditions as we move across these varying surfaces? That's the question that Tonia Hsieh, assistant professor of biology in Temple's College of Science and Technology, has been trying to answer in her lab. The results could have future implications for the elderly, robotics and a better overall understanding of locomotor control.

"Just to get to this lab you probably had to walk over some sidewalks, possibly some grass, the tile in the hallway and even transition onto carpet," she said. "Theoretically, all these different surfaces should be very difficult to traverse smoothly. You would probably trip upon hitting the carpet if we didn't have built-in control mechanisms."

But what are these built-in control

mechanisms and how do they work? Hsieh believes the answers lie in the locomotion of some 130 lizards she has been studying in her lab, particularly basilisk lizards — nicknamed "Jesus lizards" because they can run across water — and baby frilled dragons from Australia.

"On the most basic level the answer is balance," said Hsieh. "If these animals can't maintain their balance, they cannot escape from predators, find food or even mate and reproduce."

Hsieh wants to understand how these lizards maintain that balance and quickly recover from slip perturbations while navigating changing environmental conditions such as narrow surfaces, smooth surfaces, slippery surfaces, granular surfaces and even surfaces that vary in height.

Using high-speed infrared cameras, which capture 500 frames-per-second compared to the 30 frames-per-second of a standard video camera, Hsieh videotapes the animals, which are tagged with reflective markers, as they run on their hind legs down an eight-foot track.

"The reason we specifically chose

these species is because they readily rise up from running on four legs to sprint on just two legs," she said.

As the lizards run down the hard, smooth surface, they encounter an area covered by glossy poster board covered with a slippery film.

"We obscure this slippery surface so they don't see it and slip unexpectedly," explained Hsieh. "We examine the differences between a successful recovery versus one in which they fall, specifically to understand what they are doing differently in each scenario."

Hsieh said unlocking these instinctive control mechanisms could have applications in assisting the baby boomer generation, which is reaching an age where slipping, falling and breaking a hip or leg could have dire consequences.

"There are a lot of hypotheses on why the elderly fall more," she said. "Some say that as you get older, your reflexes slow or the springy tendons in your body become less springy. We can't get at this age question directly, but instead use these lizards to elucidate the mechanisms that help a younger animal recover quickly when it begins to fall. We



Joseph V. Labolito

Tonia Hsieh, assistant professor of biology, examines one of the lizards used in her research to study locomotion. She hopes her research will uncover what helps us adapt when walking across various surfaces, which can in turn assist the elderly against slipping, falling and breaking a hip.

can then apply that knowledge towards improving therapy options or modifying environmental design for the elderly."

Hsieh's research could also impact the development of advanced robotics.

"We already have plenty of robots that have wheels, which perform excellently on flat, smooth surfaces. If we want to be able to get through more complex terrain, we need to build legged robots," she said. "The current problem with that is a legged robot

can slip, it can trip, and it can fall.

"It's important to realize that animals do not have a specific program to tell them how to react to each and every possible perturbation scenario in the real world," said Hsieh. "As a result, their control mechanisms must be all-encompassing, yet likely very simple to speed reaction times. By understanding how animals recover from slips, we can devise better control algorithms to make stable and adaptable legged robots a reality." u

Teens take mis-steps in efforts to lose weight

By Renee Cree
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About 14 percent of Philadelphia's high school students are considered overweight, and while a myriad of research has been published on what schools, communities and parents can do to help curb these rates, very little information exists on what the teens themselves are doing to lose weight.

Research led by public health doctoral candidate Clare Lenhart has found that while most obese teens in Philadelphia report wanting to lose weight, their actions are more of a hindrance than a help.

In an analysis of findings from the Philadelphia Youth Risk Behavioral Survey, Lenhart and colleagues organized data from nearly 44,000 adolescents into different types of health behaviors, such as recent smoking, amount of weekly physical activity, daily soda consumption and hours per day playing video games.

While most of the obese teens reported trying to lose weight (about 75 percent), this group was also more likely to report smoking. In addition, females trying to lose weight were more likely to report participating in 60 minutes or more of physical activity per day; however, data showed that these females were also prone to consume soda on a daily basis — regular, not diet. Males who were trying to lose weight were more likely to report having no days of physical activity, and also reported playing more than three hours of video games per day.

"From a health education standpoint, finding out that three-quarters of students who are obese want to lose weight is exactly what we want," said Lenhart. "But the behavior they're engaging in is



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A new study finds that teens who want to lose weight often engage in activities counterproductive to that goal, including drinking soda after exercise.

puzzling; it's counterproductive to what they're trying to do."

While the researchers aren't sure whether teens realize this behavior is counterproductive, Lenhart suggests there could be a lack of information on the teens' part. "For example, among the girls who are exercising, they may not realize that one soda could undo that 30-minute walk they just took."

She's encouraged that so many teens appear to be motivated to lose weight, and says that a more intensive line of questioning from health care providers could help.

"If a child is going to their pediatrician, and he asks them if they're losing weight, an appropriate follow up question might be, 'How are you doing that?'" said Lenhart. "It could help guide those teens to more productive weight loss activities."

The research was presented at the annual meeting of the American Public Health Association. Other study authors are Dawn Eichen of Temple's Department of Psychology, Judith Gold of Temple's Department of Public Health and Brian Daly of Drexel University's Department of Psychology. Funding was provided by a Centers for Disease Control and Prevention ARREST grant to the School District of Philadelphia. u



Ryan Brandenberg

Melody Stouder, a second-year podiatry student, practices kicks at a recent meeting of the TUSPM Martial Arts Club, designed to teach podiatry students martial arts while learning complex biomechanical concepts.

Fight Club teaches Podiatry students terminology, fitness

By Renee Cree
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The first rule of the School of Podiatric Medicine Fight Club is that you *do* talk about the School of Podiatric Medicine Fight Club. In proper biomechanical terminology, of course.

Students in the TUSPM Martial Arts Club (a.k.a. Fight Club) use their knowledge of the lower extremity to learn martial arts — the best ways to block and the most effective points to hit to take down an opponent.

"As podiatry students, we learn about the biomechanics of the feet and ankles, so it kind of

makes sense that we would be really effective in the martial arts," said Rikhil Patel, the club's president.

A typical session, which lasts usually an hour, includes stretching, a session of punching or kicking drills and techniques, and what Patel calls "sensei fun time," which can be anything from an obstacle course to quizzing students on what they've learned in that day's session and how it relates to biomechanics.

"It helps us better understand some of the complex concepts we learn about in class," while also maintaining fitness, he said.

Patel has a black belt in karate, and during first-year orientation other students found out and asked him to give them private lessons. That eventually evolved into the Martial Arts Club, which has 20-25 registered members so far. The club is informal; they meet a few times a month, and most of those students have no martial arts training at all. Patel says that's the beauty of the club.

"Anyone can join, whether they've had training or not, and our classes really run the gamut, from boxing to muay thai to mixed martial arts," he said. u

Sculptor’s Marcellus Shale cups bring fracking debate to a personal level

By Jazmyn Burton
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For her latest project, Jennie Shanker, a sculptor and adjunct instructor in the Tyler School of Art, traded in traditional modes to work with a material that was more challenging — and significantly more controversial.

Last month, Shanker joined a group of scientists at the Big Shale Teach-In held in Temple Gallery to discuss her new work made of clay produced from Marcellus Shale, the Appalachian rock formation renowned for its vast reserves of natural gas.

Shanker first considered the material while working on another project in Sullivan County, N.Y., where the rock is abundant.

“It wasn’t until I started working on a project in the Catskills that the practice of fracking became a common topic,” she said. “There’s a lot of shale



Tyler School of Art sculpture instructor Jennie Shanker has created 50 coffee cups made of Marcellus Shale, the Appalachian rock formation at the center of controversy over the extraction of its reserves of natural gas.

up there, and I started to wonder if I could work with it. Was it safe? What makes Marcellus so different from other rock formations?”

She began collecting the silt stone in five-gallon buckets and bringing

it back to her studio in Philadelphia, where she refined it into workable material.

“The soil is very hard when it’s dry,” said Shanker. “I was fortunate to find a muddy area where I could dig material

that nature had already refined into small particles. Shale, I learned, makes excellent clay.”

The particles became the base for the material she used to create more than 50 coffee cups, which were displayed in Temple Gallery.

Shanker admits that the idea of making cups from a material that is known to be radioactive raised a few eyebrows. While she was initially concerned about her safety, she was surprised to learn that there’s much more radiation in the environment than we’re aware of.

“It’s safe,” she said, holding up a cup. “Everything emits radiation. There’s less radiation in this cup than there is in your cell phone. That’s why I was interested in working with this material. It brings the debate into your personal space and makes you think about the shale dialog in a whole new way.”

While the Marcellus Shale contains more than 500 trillion cubic feet of

natural gas — an amount that could significantly impact the nation’s energy demands — the process used to extract it has raised environmental concerns.

The Big Shale Teach-In brought together Temple environmental researchers, engineers, geologists, social scientists, student activists, legal experts and others to discuss the issues surrounding current and proposed drilling into the Marcellus Shale to retrieve the natural gas deposits.

The symposium, subtitled “Between Arts and Science,” was organized by Temple Gallery and Temple’s Center for Natural Resources and Development Protection, which has been conducting research on the Marcellus Shale.

The symposium also included a display on loan from the Drake Well Museum, which houses artifacts dating back to 1859 when Edwin L. Drake drilled the oil well that launched the modern petroleum industry. u

Boyer student’s youth music program helps soothe shaken nerves in Peru

By Jazmyn Burton
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In 2008, Temple junior Elizabeth Moulthrop joined a volunteer group on a trip to Pisco, Peru, where she helped rebuild homes and schools after an earthquake devastated 80 percent of the small city’s infrastructure.

When she returned the following year to continue her volunteer work, she found a society that was beginning to put itself back together. Still, she noticed something missing from the everyday experiences of the city’s youngest inhabitants.

“It takes more than bricks and mortar to rebuild a city,” said Moulthrop, a music education major in the Boyer College of Music and Dance. “It was evident that in addition to the need for physical reconstruction and development, there was a great need for social programs — especially for children.”

In an effort to address the city’s lack of social resources, Moulthrop began the Pisco Music Program, an after-school music enrichment class tailored to the needs of Peruvian children.

“I cannot change the nature of their material poverty, but I can only hope to use the skills that I have in order to provide a meaningful experience for the children and their community, the very people who have given me transformational life experiences,” she said.

With funding from a Temple Creative Arts, Research and Scholarship (CARAS) Award from the Office of the Senior Vice Provost

for Undergraduate Study, the four-week program offered lessons on the recorder and handmade percussion.

The project was the first undertaken by Notes for Change, a nonprofit group Moulthrop founded to develop music programs for underprivileged youth. The organization aims to create a positive environment for young people by training local music teachers, providing instruments and initial training and designing a custom curriculum for each community it serves.

“Initially I requested that only middle school-aged children sign up for the program,” Moulthrop said. “But on the first day we had students from 6 to 16 years-old sign up. But we didn’t want to turn anyone away. It’s important that students have a creative outlet.”

Moulthrop knows first-hand how early exposure to music can help build self-esteem and autonomy. The South Orange, N.J. native began playing violin at the urging of her music teacher in the fourth grade. She credits her music education for helping her to build a sense of accomplishment.

“I had a very strong connection to music, it helped me develop into who I am, and it was public school teachers who encouraged me to try music. I hope that I have the same effect on my students,” she said.

Although there were language and cultural barriers to overcome, Moulthrop is satisfied with the outcome of the program and plans to return to Peru during the summer of 2012. u



Temple Dance Professor Merián Soto performs her experimental branch dances before visitors to Philadelphia’s Wissahickon Valley Park. The series continues on Jan. 15 following successful performances this fall.

Professor celebrates anniversary of dances with branches

By Jazmyn Burton
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Six years ago, Merián Soto ventured into Wissahickon Valley Park intending to spend some time alone.

Like many people who visit the scenic getaway, Soto found solace in the park and routinely visited when she needed a moment to unplug and escape the demands of city life.

Around the same time, Soto was beginning to get the urge to return to the stage.

A seasoned performer trained in modern somatic dance techniques, she spent the beginning of her career performing for audiences around the world.

“I had taken some time off from performing to focus more on directing But when I started teaching students at Temple I got the urge to perform again, but I wasn’t sure where I would perform,” said Soto, a dance professor in the Boyer College of Music and Dance.

While enjoying one of her weekly visits to the park she realized that one of Philadelphia’s most popular green spaces could be utilized for more

than biking trails and picnics.

“There is something incredibly beautiful and peaceful about Wissahickon, I felt like I’d discovered this wonderful resource,” said Soto.

The stillness of the woods became the perfect backdrop for an experimental, public dance series.

The soil became her stage, the sound of rustling trees and singing birds became her chorus and fallen tree limbs served as inspiration.

Soon her trips to Wissahickon became performance dates as she began working to create a technique called Branch Dances.

“Branch dancing is a meditative performance practice that involves moving into stillness, the investigation of gravity as essential force and the detailed sequencing of movement through inner pathways,” said Soto. “Performing is about being seen. This is something else.”

In the beginning, her performances were unannounced. Unintended audiences of passersby sometimes stood puzzled as she moved slowly by the edge of a path holding one or more branches.

Her audiences began to grow and the series caught the attention of the

dance community. In 2007 Soto and a team of dancers that included Dance alumni Shavon Norris, Olive Prince and Jumatatu Poe began working on the One Year Wissahickon Park Project.

During the project, Soto and company performed in four different Wissahickon Valley Park locations, rain or shine.

“Some audience members came to every performance,” said Soto. “I even had someone tell me that coming to watch us perform was like attending church, there’s something very sacred about nature especially early in the morning.”

Soto opened an anniversary series of performances in October at Bluebell Meadow. The next performance will take place Sunday, Jan. 15.

“If the audience is willing to slow down [like the dancers], they are able to enter into a state of reflection and reverie,” she said. “I think this opens a window for the audience to see nature in a different way.”

For more information about “Wissahickon Reunion,” an upcoming performance and Merián Soto, visit www.meriansoto.com or email meriansoto@gmail.com. u



In an effort to address the city of Pisco Peru’s lack of social resources for children, Elizabeth Moulthrop began the Pisco Music Program, an after-school music enrichment class, as part of a volunteer experience.

Ambler marks 100 years with new book and artifacts

By James Duffy
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At nearly 93 years young, Mary Reiter has a special relationship with the Temple University Ambler Campus. An alumna who attended classes from 1937 to 1939, she clearly recalls when the campus was the Pennsylvania School of Horticulture for Women, the predecessor to today's Temple University Ambler. Clear away the Learning Center, Dixon Hall and most of the other buildings and add back the original dormitory and greenhouse and a cheery cacophony of horses, pigs, chickens and award-winning cows and you get a clearer picture of the Ambler Campus seen in Reiter's mind's eye.

"I still remember my first day and the beauty of the gardens — it looked like heaven to me and I knew it was the right place for me even on that first day," said Reiter. "The school held special promise for everyone that attended. Horticulture, landscape design — women simply weren't doing much of that at the time, but this school showed women that we could do just as well as men."

Reiter kept a small memento of her time at the school, which she is happily



From left, Ambler Arboretum Director Jenny Rose Carey, Woman's National Farm and Garden Association President Mary Bertolini, Farm and Garden past president and Ambler supporter Faith Tiberio, Mary Anne Fry as long-time Pennsylvania School of Horticulture for Women Director Louise Carter Bush-Brown and Ambler Executive Director William Parshall formally cut the ribbon of the Hilda Justice Artifacts Collection, a rich overview of the campus' history displayed through yearbooks, photos, tools, diaries, documents and other memorabilia donated or loaned to the campus.

sharing with fellow alums, current students, and visitors to campus: a small silver pin in the shape of a trowel. The keepsake has become part of Temple University Ambler's new Hilda Justice

Artifacts Collection, a rich overview of the campus' history displayed through yearbooks, photos, tools, medallions, documents and other memorabilia donated or loaned to the campus to

celebrate Ambler's 100th year.

The overarching theme of the collection, which is on display in the Hilda Justice Building, is "Rooted in the Past, Growing the Future," said Jenny Rose Carey, director of Ambler Arboretum, who worked with 1958 graduate and 100-Year Club member Mary Anne Fry, Director of Development Linda Lowe and Suburban Campus Libraries Head Sandi Thompson to develop the collection. The archive is accompanied by a commemorative book, *A Century of Cultivation 1911 to 2011: 100 Years from the Pennsylvania School of Horticulture for Women to Temple University Ambler*, which offers a visual treasure trove of the history of the campus from its earliest beginnings to today's graduates who went on to become leaders in their respective fields and communities.

"In researching the campus history for the book, I discovered so many outstanding graduates, so many amazing ladies who started this campus," said Fry. "The campus is 100 years old and I've been connected to it for 55 of those years — the campus is a part of me and now I feel that its graduates are a part of me as well."

On Thursday, Dec. 8, Carey, Fry,

and many of the other volunteers who made the book possible will be on hand for an official *A Century of Cultivation* book launch at noon and 6:30 p.m. in Bright Hall Lounge. Carey and Fry will talk about the history of the campus, lead a tour of the Hilda Justice Artifacts Collection and host a book signing. Books will be available for sale at the launch. Refreshments also will be served.

"While the collection and the book are a celebration of our history, it is history that we can learn from and build from to create a bright future," said Carey. "It is an extremely important part of who we are as a campus. The school throughout the decades has had a significant impact on local and national history — the practical training that our alums received gave them an excellent launching point into the world and allowed them to do wonderful things within their communities. It's wonderful to be able to show people our history while also telling them about it."

For more information about *A Century of Cultivation*, the Hilda Justice Artifacts Collection, the Dec. 8 event or to schedule a tour of the gardens and the collection, call 267-468-8001. u

Student Nurse Association organizes Thanksgiving Day food drive



Temple's chapter of the Student Nurse Association of Pennsylvania (SNAP) recently conducted a Thanksgiving Food Drive to benefit the Mary McLeod Bethune Elementary School in North Philadelphia. The organization donated \$420 and non-perishable food items that were used to create Thanksgiving baskets for the elementary school students' families. The community service effort was led by senior nursing student Leigh Capella, the group's vice president of community service, with support from faculty coordinators Patricia DiGiacomo and Lori Prol, the Kappa Chi Nursing Honor Society and SNAP leaders and members who donated food items and time. Shown above are SNAP junior representatives Alicia Yurkovic, Rachael Peachey and Kaitlyn Farrell with Bethune Elementary Assistant Principal Ed Roulhac, school nurse Karen Giammanco and students from the school.

Ways to give this season

This holiday season, several Temple organizations are continuing the tradition of holding charity drives for worthy causes. Below is a list of ways you can get involved and provide a merry holiday season for those in need.

Dec. 7 Greek Honors societies toy drive

The Greek honors societies Order of Omega and Rho Lambda are hosting a Toy Drive on Dec. 7 from 7 to 9 p.m. at the Draught Horse.

How you can participate: Attend the drive and bring an unwrapped toy. All gifts will be donated to the U.S. Marine Corps' Toys for Tots program.

Through Dec. 9 Holiday Mail for Heroes

The Ambler Campus Office of Student Life will collect holiday cards to send to active duty military members. The cards will be mailed out on Dec. 9 as part of the American Red Cross

Holiday Mail for Heroes program.

How you can participate: Visit Ambler's Office of Student Life or the Student Activities Office to create cards for military members, veterans and their families. Cards will also be available at the 2011 Multicultural Holiday Extravaganza on Wednesday, Dec. 7, from noon to 1 p.m. in Bright Hall.

Through Dec. 12 Grandma's Kids toy drive

The Intergenerational Center will host its annual Grandma's Kids toy drive to benefit local elementary school children. The after-school program supports children living with caregivers who are not their biological parents.

How you can participate: E-mail Joy Jones at joyjones@temple.edu with the subject "GK Toy Drive." Include the number of elementary students you wish to sponsor as well as gender you would be interested in. Also, provide a return email address or fax so you can receive your students' wish lists, which will include three items. Drop off unwrapped gifts and wish list to the Intergenerational Center at 1700 N. Broad Street. For more information, visit templeigc.org/grandmas-kids.

Through Dec. 16 School of Pharmacy Annual toy drive

The School of Pharmacy will be collecting toys for children of patients of the Temple Hospital Cancer Center.

How you can participate: Donations can be dropped off at the Office of Experiential Education, room 124. The office is located at the School of Pharmacy, 3307 N. Broad St.

Through Dec. 30 Sixth Annual Holiday Book Drive

Temple University Alumni Association, Temple University Black Alumni Alliance and the College of Education are sponsoring the Sixth Annual Holiday Book Drive to benefit local elementary schools.

How you can participate: To make a donation, visit Amazon.com and click on "Gifts and Wish Lists" at the top of the page. Type "TUAA Book Drive" in the "Find Wish Lists and Registries" section. Make your selections from the wish list by clicking "Add to Cart" then click "Proceed to Check Out." Remember to ship your donation to the TUAA address provided. Forward a copy of your e-mail confirmation to alumni.ed@temple.edu. u

Finals week stress reliever

As the semester winds down, Temple is offering students the chance to take a well-deserved break. Student Activities and the Temple University Alumni Association are sponsoring a Late Night Study Break on Dec. 12. Starting at 10 p.m., students can enjoy a free-late night breakfast at the Howard Gittis Student Center atrium.

BFA Dance Concert

On Dec. 2 and 3, graduating seniors from the Department of Dance will feature their work in "From: There, To: Here." Each dance is choreographed by a student and demonstrates their journeys at Temple.

The event will take place in the Conwell Dance Theater on the fifth floor of Conwell Hall at 7:30 p.m. on Dec. 2 and 2:30 and 7:30 p.m. on Dec. 3. Tickets are \$20 for general admission, \$15 for non-Temple students and senior citizens, \$10 with Dance USA Philadelphia Dance Pass and \$5 with a student OWLcard. Tickets are also available in advance, Monday through Saturday from 10 a.m.-5 pm, for cash-only sales at the Liacouras Center Box Office, online at liacourascenter.com or by phone at 1-800-298-4200.

Second Annual Multicultural Bazaar

On Dec. 2, Temple's Women of Color (TUWoC) will host their Second Annual Multicultural Bazaar. The event, which runs from 9 a.m.-5 p.m. in the Howard Gittis Student Center atrium, will feature vendors selling books, clothing, art and jewelry. Proceeds from the event support the TUWoC's scholarship fund.

The Future of Public Higher Education: Reduced Support for Access and Opportunity

On Dec. 8, the College of Education and the Department of Educational Leadership and Policy Studies will host a discussion "The Future of Public Higher Education: The Impact of Reduced Public Support on Access and Opportunity. Can Public Higher Education Remain Public?" Speakers include Richard Englert, provost, Temple University; Thomas Hawk, vice president of Planning and Finance, Community College of Philadelphia; and Kathleen Howley, associate vice chancellor for Academic and Student Affairs, Pennsylvania State System of Higher Education (PASSHE).

The event will take place from 12:30-2 p.m. in Ritter Hall, room 211.



Boyer College of Music BFA dance students present their dance concert Dec. 2 and 3.

Featured Events

Academic calendar
Weekday classes end Dec. 7
Study Days Dec. 8-9
Weekend classes end Dec. 10-11
Finals Dec. 12-17
Winter Break Dec. 22-Jan. 16