

## Levy-Led Team Creates Super-Small Transistor, Providing Building Block for Quantum Computing

By Morgan Kelly

A University of Pittsburgh-led team has created a single-electron transistor that provides a building block for new, more powerful computer memories, advanced electronic materials, and the basic components of quantum computers.

The researchers report in *Nature Nanotechnology* that the transistor's central component—an island only 1.5 nanometers in diameter—operates with the addition of only one or two electrons. That capability would make the transistor important to a range of computational applications, from ultradense memories to quantum processors, powerful devices that promise to solve problems so complex that all of the world's computers working together for billions of years could not crack them.

In addition, the tiny central island could be used as an artificial atom for developing new classes of artificial electronic materials, such as exotic superconductors with properties not found in natural materials, explained lead researcher Jeremy Levy, a professor of physics and astronomy in Pitt's School of Arts and Sciences. Levy worked with lead author and Pitt physics and astronomy graduate student Guanglei Cheng, as well as with Pitt physics and astronomy researchers Feng Bi, Daniela Bogorin, and Cheng Cen. The Pitt researchers worked with a team from the University of Wisconsin at Madison led by materials science and engineering professor Chang-Beom Eom, including research associates Chung Wun Bark, Jae-Wan Park, and Chad Folkman. Also part of the team were Gilberto Medeiros-Ribeiro, of HP Labs, and Pablo F. Siles, a doctoral student at the State University of Campinas in Brazil.

Levy and his colleagues named their device SketchSET, or sketch-based single-



Jeremy Levy

electron transistor, after a technique developed in Levy's lab in 2008 that works like a microscopic Etch A Sketch™, the drawing toy that inspired the idea. Using the sharp conducting probe of an atomic-force microscope, Levy can create such electronic devices as wires and transistors of nanometer dimensions at the interface of a crystal of strontium titanate and a 1.2 nanometer-thick layer of lanthanum aluminate. The electronic devices can then be erased and the interface used anew.

The SketchSET—which is the first single-electron transistor made entirely of oxide-based materials—consists of an island formation that can house up to two electrons. The number of electrons on the island—which can be only zero, one, or two—results in distinct conductive properties. Wires extending from the transistor carry additional electrons across

the island. An atomic-scale depiction of the SketchSET is available on Pitt's Web site at [www.news.pitt.edu/news/Levy\\_SketchSET\\_NatureNano](http://www.news.pitt.edu/news/Levy_SketchSET_NatureNano).

One virtue of a single-electron transistor is its extreme sensitivity to an electric charge, Levy explained. Another property of these oxide materials is ferroelectricity, which allows the transistor to act as a solid-state memory. The ferroelectric state can, in the absence of external power, control the number of electrons on the island, which in turn can be used to represent the 1 or 0 state of a memory element. A computer memory based on this property would be able to retain information even when the processor itself is powered down, Levy said. The ferroelectric state also is expected to be sensitive to small pressure changes at nanometer scales, making this device potentially useful as a nanoscale charge and force sensor.

Since August 2010, Levy has led a \$7.5 million, multi-institutional project to construct a semiconductor with properties similar to SketchSET, he said. Funded by the U.S. Air Force Office of Scientific Research's Multi-University Research Initiative program, the five-year effort is intended to overcome some of the most significant challenges related to the development of quantum information technology. Levy works on that project with researchers from Cornell, Stanford, the University of California at Santa Barbara, the University of Michigan, and UW-Madison.

The research in *Nature Nanotechnology* also was supported in part by grants from the U.S. Defense Advanced Research Projects Agency, the U.S. Army Research Office, the National Science Foundation, and the Fine Foundation.

## Pitt Law School to Open Securities Arbitration Clinic

By Patricia Lomando White

The University of Pittsburgh School of Law, with the support of the Pennsylvania Securities Commission, has created the Securities Arbitration Clinic, slated to open during Fall Term 2011.

One of only 17 such clinics in the United States specializing in securities arbitration, the Securities Arbitration Clinic will give Pitt law students the opportunity to gain valuable hands-on experience in investigating claims and representing clients at every step of the arbitration process. Students also will be taught the skills necessary to represent investors involved in disputes with their broker-dealers.

The clinic will offer free legal representation to small investors who cannot afford representation or to those whose claims are too small to obtain private counsel. It also will provide legal representation to individuals who may be underrepresented in a complex administrative and judicial system. Preference is given to senior citizens and to Pennsylvania residents.

Alice L. Stewart, adjunct Pitt professor of law, and two supervising attorneys—Sandy Garfinkel, a partner at Eckert Seamans Cherin and Mellot, and Scott Lane, deputy chief counsel of the Pennsylvania Securities Commission—will oversee the clinic, which is made possible with the support of the commission and Tom Michlovic and Steve Irwin, commissioners within the organization.

"I look forward to working with the students at the University of Pittsburgh School of Law as they develop an understanding and appreciation of the securities arbitration process and as we assist residents of Pennsylvania and elsewhere in perfecting their rights and claims in the arbitration process," said Stewart.

Stewart has taught clinical legal education, specializing in income tax and securities litigation since 1998. She has worked with the Internal Revenue Service and the Pennsylvania Securities Commission, obtaining more than \$1 million in grant funds to support programs to assist low-income taxpayers and small investors while preparing law students to face the many challenges in the practice of tax and securities law. Over the last 10 years, Stewart has worked closely with law schools across the country, assisting in the development of securities arbitration clinics at Northwestern University, Suffolk University, and Howard University schools of law, among others.

A member of the Greater Pittsburgh Compliance Roundtable, Stewart works



## PittScholars&Stewards

### Bobbie Gaunt: A Passion for Education

By Jasmin Rouse

Pitt Trustee Bobbie Gaunt (EDUC '72) learned the value of education from her parents.

A trailblazer for women executives in the automotive industry, Gaunt is co-owner and president of Capitol Holdings LLC, a small collection of automotive dealerships. In an effort to provide Pitt students with similar academic and career opportunities, Gaunt created in 2009 the Bobbie Andrea Gaunt Endowed Scholarship in the School of Education.

As a Pitt student, Gaunt received a scholarship, and she hopes her endowed fund will allow other students to focus on learning instead of finances.

"My scholarship enabled me to totally focus on my desire to be a great teacher, and now that I'm able, I want to provide that same opportunity for others to dedicate themselves to their academic careers so they can go on to teach and inspire children," she said.

Gaunt's parents grew up during the Great Depression and were unable to pursue their own educational goals, but they resolved to give their children the opportunities they didn't have. Gaunt said her parents taught her to read long before she entered first grade, and once she began school, they always encouraged her to be a good student.

Following graduation from Pitt, Gaunt applied for a teaching position for which she was well qualified, but the job was offered to a man because, she was told, he had a family to support.

Never one to allow setbacks to stand in her way, Gaunt decided to shift her aspirations, and she began what would become a stellar career with Ford Motor Company. She was the first woman to enter Ford's sales and marketing management program and the first woman to lead one of the automaker's national operations. She retired

in 2000 as president and CEO of Ford of Canada Ltd. and as vice president of Ford Motor Company.

For her accomplishments, Pitt recognized Gaunt as a Legacy Laureate in 2000, and she received the University's Distinguished Alumni award in 2001.

The inaugural recipient of the Bobbie Andrea Gaunt Endowed Scholarship is Sarah Mueller, who is working toward a master's degree in education with a certificate to teach high school chemistry. Mueller, who holds a 4.0 GPA, said the scholarship is making a big difference in her life.

"The past few years have been tough financially, so this scholarship has really helped," said Mueller. "It has reduced the amount of my loan and made this year a little easier."

And like Gaunt, Mueller still finds time in between her studies to give back to the community as a volunteer with the Leukemia and Lymphoma Society.



Continued on page 3

## Blue, Gold, and Green: Sustainability at Pitt



# Pitt Sustains Steady Beat in Green Initiatives on Campus

By Adam Reger

For more than a decade, the University of Pittsburgh has focused on environmental sustainability, steadily building its reputation as a “green” campus. Some of these efforts—like Universitywide participation in the annual RecycleMania competition or the phaseout of Styrofoam plates and cups in the cafeterias—are highly visible. Others, such as energy-saving and waste-reducing initiatives, are less obvious yet equally crucial to reducing the University’s environmental footprint. A brief look at some of Pitt’s significant—yet unheralded—sustainability initiatives follows.

## Old and Sustainable

Pitt’s campus has a number of older buildings that were constructed long before energy efficiency was a consideration. But a building’s senior status doesn’t preclude it from receiving an environmentally friendly upgrade.

The University approaches all of its upgrades with Leadership in Energy and Environmental Design (LEED) standards in mind. The LEED Green Building Rating Systems, which comprise Certified, Silver, Gold, and Platinum rankings, are



nationally accepted benchmarks for the design, construction, and operation of high-performance green buildings.

“We start most major projects with the attempt to get them to at least the LEED Certified level,” said University Architect Park Rankin. “Since the University has high standards for energy efficiency, certification is often achievable just by what we would normally do.”

The first phase of the Benedum Hall renovations, for example, appears to be on target for LEED Gold certification. It features the University’s first living green roof—a plant and soil expanse that reduces water runoff and heat absorption—along with heat recovery equipment to recapture the heat from exhaust air. Rankin said he is optimistic that future renovations of the Graduate School of Public Health, Salk Hall, Chevron Science Center, and other Pitt buildings will attain LEED certification.

## Steaming Clean

Pitt’s steam energy has become much greener since 2009, when the Bellefield boiler plant switched from coal to natural gas, and a second plant, the Carrillo Street Steam Plant, began operation. Burning

Pitt’s campus has a number of older buildings that were constructed long before energy efficiency was a consideration. But a building’s senior status doesn’t preclude it from receiving an environmentally friendly upgrade.

primarily natural gas, the Carrillo Street plant is equipped with state-of-the-art emissions controls allowing it to meet an ultralow nitric oxide and nitrogen dioxide limit of 9 parts per million. Pitt is believed to be the nation’s only university to own a plant that meets this limit, according to Facilities Management’s Sustainability at the University of Pittsburgh report. While the Carrillo Street plant currently provides about half of the steam energy needs for Pitt and UPMC, a full transfer from the Bellefield plant is expected within the next several years. That full transfer is expected to reduce Pitt’s annual steam-related carbon dioxide emissions by 47 percent from FY 2009 levels.

## Pitt’s Green Oases

Although located in a densely populated urban neighborhood, the University has labored to expand its green space. Most notable is Schenley Plaza, a five-acre oasis of green that replaced a parking lot in 2006. Although



the University does not own this land, Pitt design and construction personnel were integral to the project. Just across the street from the plaza, grass and trees have been added to the gray stretch of concrete between Posvar Hall and Hillman Library. Pitt has made similar improvements to Sennott Square, Clapp Hall, Crabtree and Parran halls, the Petersen Events Center, and the Cathedral of Learning’s Hosta Garden.

## Build and Reuse

Pitt undertakes many construction projects—but produces less refuse than might be expected. The University has implemented a rigorous program of reusing and recycling construction waste. “We have a whole program of salvage and reuse,” said Laura Zullo, senior manager of Energy Initiatives for Pitt’s Facilities Management Division, adding that University contractors provide reports of how much is recycled following a project’s completion. For the Benedum Hall renovation, she noted, more than 75 percent of construction debris had been recycled. The Chevron Science Center addition performed even better, recycling 97 percent of all materials reported to date.



## Recycling Champs

Since 2005, the University has been expanding its recycling efforts to include cardboard, aluminum, glass, plastics (grades 1-5), paper, batteries, cellular phones, and even iPods. These materials are collected in bins, boxes, and receptacles in various residence and academic halls across campus.

In addition, Pitt students, staff, and faculty members display recycling prowess when matched against their peers at other universities, as they have shown during RecycleMania, a national competition designed to increase recycling on college and university campuses. For 2011, Pitt’s third year of participation, the University community recycled 11.92 pounds of combined materials per person. Among Big East schools, Pitt placed first in the categories of paper, corrugated cardboard, and bottle/can recycling, and recycled a total of 473,247.5 pounds of material, according to Recycle Mania figures. More information on Pitt’s sustainability efforts can be found at [www.pitt.edu/green.html](http://www.pitt.edu/green.html).

## Pitt Office of Public Affairs Wins 5 PBMF Awards, Is Finalist in Two Golden Quill Award Categories



Enjoying the May 19 reception for the Pittsburgh Black Media Federation’s (PBMF) annual Robert L. Vann Awards were a number of Pitt awardees and members of the University community. Seated is George E. Barbour (A&S ’51), a former award-winning reporter for the *Pittsburgh Courier*. Standing, from left, are Pitt history professor Laurence Glasco; *Pitt Magazine* Senior Editor Cara Masset; Deborah Walker, student conduct officer and assistant to the dean in Pitt’s Office of Student Affairs, who was the focus of a Vann Award-winning story in the *University Times* by reporter Peter Hart; freelance writer Renee Aldrich; and Anthony M. Moore, assistant to Pitt Vice Chancellor for Public Affairs Robert Hill.

The University of Pittsburgh’s Office of Public Affairs won five Robert L. Vann Awards from the Pittsburgh Black Media Federation (PBMF) and was a two-time finalist in the Press Club of Western Pennsylvania’s Golden Quill Awards competition.

The PBMF’s annual Robert L. Vann Awards reception was held May 19 in the William Pitt Union. The 47th Annual Golden Quill Awards were presented May 9 during a dinner at the Sheraton Hotel, Station Square.

## Vann Awards

In the category of Magazine Commentary, Robert Hill, Pitt vice chancellor for public affairs, and Anthony M. Moore, assistant to Vice Chancellor Hill, won first place for their 2010 *Blue Gold and Black* piece “Black Like Me: Crossing Racial Lines and the Ambiguity of Racial Identity in America.”

In the category of Magazine Feature Story, *Pitt Magazine* Senior Editor Cara Masset won first place for her article “Love’s Palette.”

Peter Hart, a writer for the *University Times*, won a second-place award in the News Feature category for “Making Pitt Work: Deborah Walker.”

Writers of the *Pitt Chronicle*’s “2010 Black History Month Series”—Morgan Kelly, Anthony M. Moore, Amanda Leff Ritchie, and Patricia Lomando White—won second place in the Series category.

In the Magazine Feature Story category, Renee Aldrich won third place for her 2010 *Blue Gold and Black* article titled “Power in Black and White: George Barbour Profile Story.”

Finally, one Pitt professor and three Pitt alumni won individual honors during the Vann Awards presentation. PBMF Communicator of the Year awards were presented to Laurence Glasco, professor of history; Sylvester Pace (EDUC ’82G), CEO of the Negro Educational Emergency Drive (NEED); and Donna Baxter (CGS ’97), a multimedia communicator. George E. Barbour (A&S ’51), an award-winning reporter for the *Pittsburgh Courier*, received the Journalism Legacy Award.

## Golden Quills

In the Golden Quills category of Best Writing, Magazines, *Pitt Magazine* Senior Editor Ervin Dyer was a finalist for his article titled “Power in Black and White.”

In the Health/Medical, Magazines category, freelance writer Jennifer Bails was a finalist for her *Pitt Magazine* story titled “Man in Motion.”

## PittChronicle

Newspaper of the University of Pittsburgh

<b>PUBLISHER</b>	Robert Hill
<b>ASSOCIATE PUBLISHER</b>	John Harvith
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## Awards &amp; More

**Charles Jalloh**, assistant professor in Pitt's School of Law, was selected to serve as a visiting scholar at the International Criminal Court (ICC) in The Hague, the Netherlands, this summer. Jalloh will advise the ICC Registry's Office of the Public Counsel for the Defense on international criminal law issues. Jalloh is well known for his role in the opening trial of former Liberian President Charles G. Taylor in the Special Court for Sierra Leone at The Hague in June 2007.

**Harry Flechtner**, a professor in Pitt's School of Law, has been awarded a Fulbright Scholarship to support his teaching and research while he serves as a visiting professor at the University of Salzburg in Austria during the spring of 2012. Flechtner will teach two courses: Comparative American and (Emerging) European Contract Law and Comparative International Sales.

The American Academy of Microbiology has elected as fellows **Neal A. DeLuca**, a professor in the Pitt School of Medicine's Department of Microbiology and Molecular Genetics, and **Patrick S. Moore**, director of the University of Pittsburgh Cancer Institute's Cancer Virology Program and professor in the Department of Microbiology and Molecular Genetics. Academy fellows are elected annually through a highly selective, peer-reviewed process, based on their records of scientific achievement and original contributions that have advanced microbiology.

**Susan Gillis-Kruman**, a faculty member in the Pitt School of Education's Department of Health and Physical Activity, has been appointed by the Arts Education Collaborative (AEC) to serve on its advisory council. The advisory council comprises community leaders and arts educators; members serve a term of three years and can be reappointed. The AEC is dedicated to strengthening education by making the arts central to learning through collaboration, research, and advocacy.

## Pitt Law School to Open Securities Arbitration Clinic

Continued from page 1

to bring national leaders in the financial industry to Pittsburgh for their annual financial symposium. She continues to work in private practice, specializing in representing individuals in the U.S. Tax Court. Stewart earned BA and BS degrees from Robert Morris University in 1987 and a JD from Duquesne University School of Law in 1995.

The Pitt School of Law currently runs Elder Law, Environmental Law, Family Law, Health Law, Immigration Law, and Taxpayer clinics.

More information about the clinics is available at [www.law.pitt.edu](http://www.law.pitt.edu). For information on Pitt's Securities Arbitration Clinic, contact Stewart at 412-648-1300 or [als243@pitt.edu](mailto:als243@pitt.edu).

## Happenings



ORPHEUS AND EURYDICE PAINTING BY GEORGE FREDERICK WAITS

**Euridice and Orpheus,**  
Allegheny Cemetery,  
June 9-11

## Concerts

**Violins for Vasculitis**, fundraiser for Vasculitis Foundation, featuring Allison Lint, violin, and Richard Pinkerton, piano, 7 p.m. **June 9**, 125 Frick Fine Arts Building, [AllisonRL355@gmail.com](mailto:AllisonRL355@gmail.com).

**Grand Finale With Ax and Beethoven**, with Manfred Honeck conducting the Pittsburgh Symphony and soloist Emanuel Ax in Beethoven's Fourth Piano Concerto, **June 10-12**, Heinz Hall, 600 Penn Ave., Downtown, BNY Mellon Grand Classics, Pittsburgh Symphony Orchestra, 412-392-4900, [www.pgharts.org](http://www.pgharts.org), Pitt Arts Cheap Seats Program, 412-624-4498, [www.pittarts.pitt.edu](http://www.pittarts.pitt.edu).

**Michael Feinstein: The Sinatra Project**, five-time Grammy-nominated artist Michael Feinstein with Marvin Hamlisch conducting, **June 16-19**, Heinz Hall, 600 Penn Ave., Downtown, Pittsburgh Symphony Orchestra POPS!, 412-392-4900, [www.pgharts.org](http://www.pgharts.org), Pitt Arts Cheap Seats Program, 412-624-4498, [www.pittarts.pitt.edu](http://www.pittarts.pitt.edu).

## Exhibitions

**The Frick Art & Historical Center**, *Fin de Siecle Prints: Art Nouveau on Paper*, through **Sept. 11**, 7227 Reynolds St., Point Breeze, 412-371-0600, [www.thefrickpittsburgh.org](http://www.thefrickpittsburgh.org).

**Carnegie Museum of Art**, *Ragnar Kjartansson: Song*, through **Oct. 9**; *Hand Made: Contemporary Craft in Ceramic, Glass, and Wood*, ongoing, 4400 Forbes Ave., Oakland, 412-622-3131, [www.cmoa.org](http://www.cmoa.org).

**Heinz History Center**, *Ben Franklin: In Search of a Better World*, exploring personal side of one of our founding fathers, through **July 31**; *America's Best Weekly: A Century of The Pittsburgh Courier*, through **Oct. 2**; 1212 Smallman St., Strip District, 412-454-6000, [www.heinzhistorycenter.org](http://www.heinzhistorycenter.org).

## Lectures/Seminars/Readings

**"A Life in Transplantation,"** Ron Shapiro, Robert J. Corry Chair in Transplantation Surgery, Pitt School of Medicine, 4:30 p.m. **June 9**, Lecture Room 6, Scaife Hall, Provost's Inaugural Lecture Series, [www.provost.pitt.edu](http://www.provost.pitt.edu).

**"Assessment in the Workplace,"** John J. Norcini, president and CEO, Foundation for the Advancement of International Medical Education and Research, noon **June 17**, 4th Floor Scaife Hall, Lecture Room 3, Medical Education Grand Rounds, Office of the Vice Dean, Pitt School of Medicine, 412-648-9000, [www.megr.pitt.edu](http://www.megr.pitt.edu).

## Miscellaneous

**Dollar Bank Three Rivers Arts Festival**, annual arts fest held at various locations Downtown, through **June 12**, [www.3riversartsfest.org](http://www.3riversartsfest.org).

**ICAAIL 2011: Thirteenth International Conference on Artificial Intelligence and Law**, hosted by Pitt School of Law and International Association for Artificial Intelligence and Law, **June 6-10**, Barco Law Building, registration and fee details available at 412-624-7451, [www.law.pitt.edu](http://www.law.pitt.edu).

**Basic Issues in Health Care Ethics**, consortium, 8 a.m.-4 p.m. **June 7**, La Roche College, 9000 Babcock Blvd., McCandless, Pitt Consortium Ethics Program, Pitt Schools of Medicine and Social Work, Center for Continuing Education in the Health Sciences, 412-647-5834, [www.pitt.edu/~cep](http://www.pitt.edu/~cep).

**TIES Informational Luncheon for Researchers and Research Assistants**, talk on Text Information Extraction System (TIES), Rebecca Crowley, director, Department of Biomedical Informatics Graduate Training Program, Pitt School of Medicine, 11 a.m. **June 7**, UPMC Presbyterian Hospital South, Conference Room M3901, open to Pitt and UPMC faculty, staff, and students, registration required, <http://ties.upmc.com/register/index.html>, 412-623-4753.

## Opera/Theater/Dance

**Euridice and Orpheus**, music and text by Ricky Ian Gordon, **June 9-11**, Allegheny Cemetery, 4734 Butler St., Lawrenceville, Opera Theater of Pittsburgh in collaboration with Attack Theatre, 412-456-6666, [www.pgharts.org](http://www.pgharts.org).

**Jekyll & Hyde**, Robert Louis Stevenson's tale of good and evil, set to the music of Frank Wildhorn, **June 14-26**, Benedum Center, 719 Liberty Ave., Downtown, Pittsburgh CLO, 412-456-6666, [www.pgharts.org](http://www.pgharts.org), Pitt Arts Cheap Seats Program, 412-624-4498, [www.pittarts.pitt.edu](http://www.pittarts.pitt.edu).

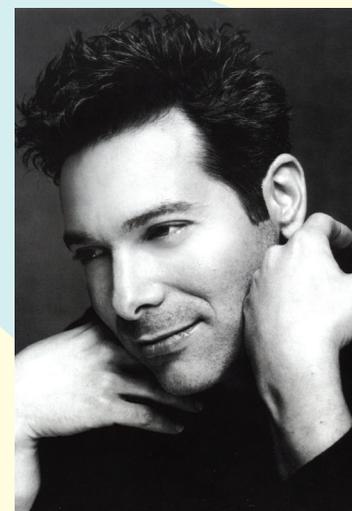
**The Marvelous Wonderettes** by Roger Bean, a return to the '50s and '60s, through **Oct. 2**, CLO Cabaret, 655 Penn Ave., Downtown, 412-281-3973, [www.pittsburghclo.org](http://www.pittsburghclo.org), PITT ARTS Cheap Seats, 412-624-4498, [www.pittarts.pitt.edu](http://www.pittarts.pitt.edu).

**God of Carnage**, Yasmina Reza's contemporary comedy and winner of 2009 Tony Award for Best Play, through **June 26**, Pittsburgh Public Theater, 621 Penn Ave., Downtown, 412-456-6666, [www.pgharts.org](http://www.pgharts.org), Pitt Arts Cheap Seats Program, 412-624-4498, [www.pittarts.pitt.edu](http://www.pittarts.pitt.edu).

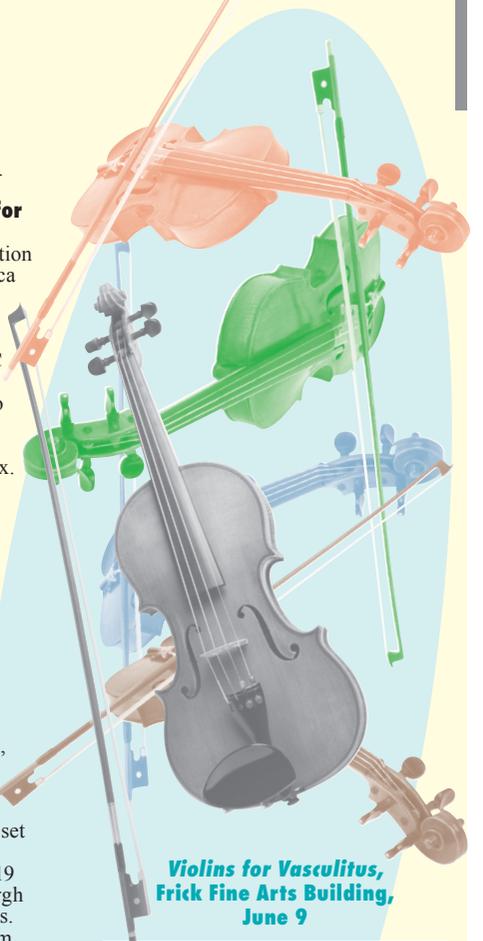
## Pitt PhD Dissertation Defenses

**Shikha Basnet**, School of Arts and Sciences' Department of Economics, 4 p.m. **June 6**, *The Nature and Consequences of Civil Strife*, 4716 Posvar Hall.

**James Thieman**, Pitt School of Medicine's Cell Biology and Molecular Physiology Graduate Program, noon **June 9**, "Regulation of Clathrin-Coated Vesicle Nucleation," 1103 Scaife Conference Center.



**Michael Feinstein:**  
The Sinatra Project,  
Heinz Hall,  
June 16-19



**Violins for Vasculitis,**  
Frick Fine Arts Building,  
June 9

**Heather Fisher**, School of Arts and Sciences' Department of Communication, 1 p.m. **June 9**, "Mythologizing Charles Van Doren: The 1950s, the Media, and the Making of Cultural Memory," 1128 Cathedral of Learning.

**Ryan Minster**, Graduate School of Public Health's Department of Human Genetics, 2 p.m. **June 10**, "Pleiotropic Relationships Among Measures of Bone Mineral Density, Bone Geometry, Lean Muscle Mass, and Fat Mass," A115 Crabtree Hall.

**Erhan Demircioglu**, School of Arts and Sciences' Department of Philosophy, 3:30 p.m. **June 10**, "At the Gates of Consciousness: Physicalism and Phenomenal Concepts," 1001B Cathedral of Learning.

**Gregory Strom**, School of Arts and Sciences' Department of Philosophy, 2 p.m. **June 13**, "Multitasking, Consequentialism, and Practical Imagination," 1001 B Cathedral of Learning.

**Samah Mazraani**, School of Arts and Sciences' Department of Economics, 10:30 a.m. **June 14**, "Essays on Fiscal Policy," 4900 Posvar Hall.

**Kristen A. Butela**, School of Arts and Sciences' Department of Biological Sciences, 1 p.m. **June 14**, "Physiological Basis for Predator Escape in Salmonella," A219B Langley Hall.

**Ranmal Samarasinghe**, Center for Neuroscience, 11:15 a.m. **June 15**, "Non-Classical Glucocorticoid Receptor Action Regulates Gap Junction Intercellular Communication and Neural Progenitor Cell Proliferation," 1195 Starzl Biomedical Science Tower.

**Xi Liu**, Pitt School of Medicine's Program in Integrative Molecular Biology, 2 p.m. **June 15**, "Identification of Human Vam6p as a Novel Cellular Interactor for Merkel Cell Polyomavirus Large T Antigen," 2nd-Floor Conference Room, Hillman Cancer Center.

**Stacey Waite**, School of Arts and Sciences' Department of English, 3 p.m. **June 16**, "Teaching Queer: Possibilities for Writing, Reading, and Knowing," 501G Cathedral of Learning.



# Newsmakers

### HELPING PEOPLE BY HELPING THEIR PETS

The University has launched a new program, Pitt's People for Pets, to help local families who, because of tough economic times, are unable to feed their beloved pets. During June and July, Pitt will participate in Animal Friends' Chow Wagon, which provides pet food to area food banks to ensure that pets and their families can remain together. Pitt Police Department Officer Riggs (below, four legs, wearing leash) has agreed to serve as the Pitt drive's honorary chair; he poses with his partner, Officer David Nanz, for a publicity photo. Pitt sponsors are Office of the Chancellor, Office of Community Relations, Department of Public Safety, and the University Library System. Online monetary donations can be made by visiting [www.thinkingoutsidethecage.org](http://www.thinkingoutsidethecage.org) and clicking on the Pitt's People for Pets link. Donations of canned and dry cat and dog food, kitty litter, and dog and cat treats can be dropped off at the following collection sites:

- Cathedral of Learning, ground-floor elevator lobby;
- William Pitt Union, main-floor information desk lobby;
- Posvar Hall, main-floor elevator lobby;
- Scaife Hall, 4th-floor Terrace Street entrance;
- Public Health, 5th Avenue Auditorium lobby;
- Craig Hall, main lobby;
- Hillman Library, ground-floor lobby and all ULS Oakland Campus libraries; and
- Public Safety Building, main lobby.



JIM BURKE / CUIDE

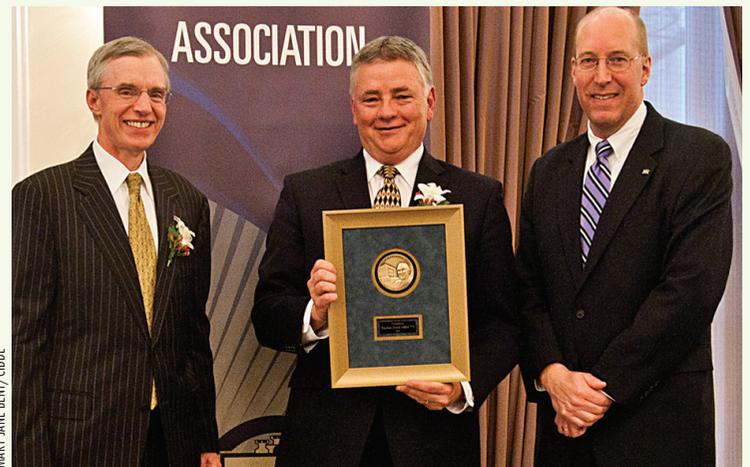
### "ALL THIS FOR A BIRD BAND?"



MORGAN KELLY/PC

Four peregrine falcon chicks received a health checkup on May 19 after being cautiously removed from their nest on the 40th floor of the Cathedral of Learning. The three females and one male were brought inside, checked by a veterinarian, and found to be healthy. The birds also were banded so they can be monitored and tracked throughout their lives. The checkup and banding were overseen by officials from the Pennsylvania Game Commission and the National Aviary, which created the Urban Peregrine Falcon Recovery Project in an effort to increase local peregrine falcon populations.

### BUSINESS ALUMNI AWARDS



MARY JANE BENTY/COIDE

The Joseph M. Katz Graduate School of Business and College of Business Administration held its 47th Annual Business Alumni Awards Program on April 15 in Pitt's University Club. Pitt Board of Trustees Chair Stephen Tritch (MBA '77), retired chair of Westinghouse Electric Co., received the H.J. Zoffer Medal for Meritorious Service. Standing, from left, are Katz Dean John Delaney, Tritch, and Pitt Business Alumni Association President Jeff Marzina (MBA '87).

**PUBLICATION NOTICE** The next edition of *Pitt Chronicle* will be published June 20. Items for publication in the newspaper's *Happenings* calendar (See page 3) should be received at least two weeks prior to the event date. *Happenings* items should include the following information: title of the event, name and title of speaker(s), date, time, location, sponsor(s), and a phone number and Web site for additional information. Items may be e-mailed to [chron@pitt.edu](mailto:chron@pitt.edu), or sent by campus mail to 422 Craig Hall. For more information, call 412-624-1033 or e-mail [robinet@pitt.edu](mailto:robinet@pitt.edu).