

# UNIVERSITY OF PENNSYLVANIA *Almanac*

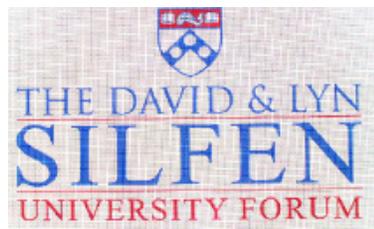
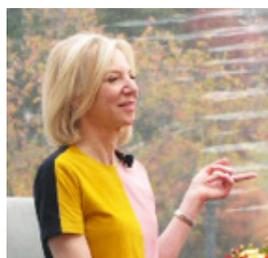
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## Celebrating Innovation and Showcasing Penn's Pennovation Works



Photographs by Marguerite F. Miller

Friday's celebration included a ceremonial groundbreaking for the Pennovation Center, which will form a central part of the complex when it opens, repurposing 52,000 square feet of reinvigorated industrial space (above) as a hub to facilitate and accelerate entrepreneurial activities, creative collaborations and new approaches to the commercialization of research discoveries at Penn.



President Amy Gutmann (at left) and Walter Isaacson (at right) during the recent Silfen Forum.

University of Pennsylvania President Amy Gutmann and David L. Cohen, chair of Penn's Board of Trustees, hosted Penn students, faculty, staff, alumni, trustees and friends, as well as the region's business and tech community, at a series of events last Friday to celebrate innovation at Penn and showcase Penn's Pennovation Works, at the South Bank, a hub for innovation and new business ventures.

The afternoon featured the 2014 David and Lyn Silfen University Forum, *From Idea to Innovation: The Impactful University*, a conversation between President Gutmann and special guest Walter Isaacson, who drew from his new book, *The Innovators: How a Group of Hackers, Geniuses, and Geeks Created the Digital Revolution*.

Epitomizing the impactful and innovative research being done at Penn, four faculty members gave brief "Pennovation Talks." The presenters were the SAS's A.T. Charlie Johnson, the School of Engineering & Applied Science's Katherine Kuchenbecker, the Perelman School of Medicine's John Trojanowski and the Wharton School's Karl Ulrich. They discussed topics such as robotic surgery, Alzheimer's as an infectious disease and the importance of innovation.

"We are creating an innovation ecosystem at

Penn that is expanding at an unprecedented pace," said President Gutmann. "The celebration is designed to highlight the impressive range of innovative activities already taking place on campus.

"The Pennovation Center will be a dynamic hub that maximizes Penn's impact by bringing together researchers, students and the private sector to foster innovation and development in the region. Our signature strength in integrating knowledge across disciplines gives this approach to innovation and technology transfer new muscle, and important new momentum."

"The research discoveries hatched at Penn are having a real societal and economic impact in our region, our country and the world," said Vice Provost for Research Dawn Bonnell. During this event, people interacted with thought leaders at Penn and saw inspiring examples of innovation in a variety of venues. They highlighted the infrastructure the University is creating to further support entrepreneurship, industry and community partnering and technology transfer.

Penn's investment in the campus expansion at the South Bank—a 23-acre development at 34th Street and Grays Ferry Avenue acquired by Penn in 2010—and now being called Pennovation Works (the new name for the South

Bank) is focused on advancing innovation and supporting the rapid application of research discoveries into new ventures that meet society's pressing needs.

The property is being developed as a home to tenants from both the University and the private sector, with an emphasis on innovation-based economic development and entrepreneurial activities.

Already it has attracted such innovators as the Penn School of Veterinary Medicine's Working Dog Center (*see back page*), the School of Dental Medicine's Research Greenhouse and Arts & Sciences' Bio Garden; PCI Ventures and the UPstart company Novapeutics; KMel Robotics; *Edible Philly* magazine publishing; and The Philadelphia Free Library archives. And it will soon be home to the expansion of Penn Engineering's GRASP Lab. As the University's robotics research arm, its projects range from advancing a computer vision that will eventually inform self-driving cars to sensitive mechanical fingertips that can assist with surgeries to bacteria-powered nano-motors.

The building will also house the Penn Ventures initiative of the Penn Center for Innovation (PCI). As part of the University's focus on innovation, PCI is designed to help accelerate the translation of Penn discoveries and ideas into commercial products, businesses and services.

Tours were given of these three entities:

- The Working Dog Center (WDC), founded and directed by veterinarian Cynthia Otto, works to determine how best to breed, rear and train dogs that aid humans with tasks as vital and varied as search and rescue, explosives or drug detection and diabetes alert. In partnership with researchers in Penn's School of Arts & Sciences and Perelman School of Medicine, the WDC has also been involved in using dogs to sniff out ovarian cancer (*Almanac* August 27, 2013).

- KMel Robotics was spun off from Penn's GRASP lab in 2011 by Alex Kushleyev and Daniel Mellinger, then recent Penn graduates. KMel designs and builds high-performance flying robots for use in research.

- The Penn Dental Research Greenhouse, a high-tech, \$2 million greenhouse purpose-built for Henry Daniell's plant-based drug delivery research system, which uses genetically engineered lettuce leaves grown to treat or prevent diseases as varied as Alzheimer's, polio, diabetes and hypertension.

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The following is published in accordance with the Faculty Senate Rules. Among other purposes, the publication of SEC actions is intended to stimulate discussion among the constituencies and their representatives. Please communicate your comments to Vicki Hewitt, executive assistant to the Senate Office, either by telephone at (215) 898-6943 or by email at senate@pobox.upenn.edu

## Faculty Senate Executive Committee Actions Wednesday, October 29, 2014

**Chair's Report:** Faculty Senate Chair Claire Finkelstein gave a brief update on the actions of the Faculty Senate committees. She noted that Faculty Senate Past Chair Dwight Jaggard could not attend, and he will give his Past-Chair's report at the November meeting. She reminded SEC members about the Penn's Way charitable giving campaign, and Faculty Senate Chair-Elect Reed Pyritz, who is Faculty Advisor to the campaign, encouraged SEC members to participate.

**Vote on the 2014-2015 Senate Nominating Committee Ballots:** SEC members voted for the members of the 2014-2015 Senate Nominating Committee.

**Update on the Task Force on Student Psychological Health and Welfare:** Rebecca Bushnell and Anthony Rostain, co-chairs of the Task Force on Student Psychological Health and Welfare, updated SEC on the progress of the Task Force. The Task Force was asked to investigate challenges confronting students that can affect their psychological health and wellbeing; review and assess the efficacy of Penn resources for helping students manage psychological problems, stress, or situational crises; and make recommendations related to programs, policies and practices designed to improve the quality and safety of student life. The Task Force divided into two working groups which included additional faculty, staff and student members. One group focused on Education and Outreach, and the other on Intervention and Treatment. Both groups have been meeting since the spring and plan to issue their final report and recommendations early next semester. The Task Force's preliminary recommendations include: incorporating a message about the importance of caring for mental and physical health in Penn's communications to students, initiating a help line where all members of the community can get help and referrals to resources when needed, developing a comprehensive website to centralize information about resources available, providing education and training opportunities for faculty, staff, students and parents on identifying signs of distress and how to follow up, improving communications to students about the benefits of taking leaves of absence for mental health reasons in the hope of removing the stigma attached to it, and developing models for Counseling and Psychological Service to maximize students' access to counselors, particularly at times of peak need.

SEC members and the guest speakers then discussed: emphasizing the importance of community, faculty education on mental health issues, recognizing cultural differences in dealing with mental health issues; the status of post-doctoral fellows with regard to student resources, availability of confidential resources for students seeking help to comply with new federal mandates, student health insurance for mental health care; and how to help students on leaves of absence.

**Update from the Office of the Provost:** Provost Vincent Price updated SEC on University initiatives under his purview. New education programs on sexual violence have been initiated, and a new Director of Student Sexual Violence Prevention and Education has been hired as a result of the recommendations of the Report of the Commission on Student Safety, Alcohol and Campus Life issued last spring. The Provost is assembling a consultative committee to advise him on the internal search for a new Vice Provost for Education. The Open Learning Initiative has expanded the infrastructure necessary to support digital education and Structured, Active In-Class Learning (SAIL) initiatives. New digital repositories in the Penn Libraries and the new Center for the Analysis of Archaeological Materials in the Penn Museum of Archaeology and Anthropology have increased opportunities for object-based learning in the humanities. The Provost's Office continues to work to promote faculty diversity. Hiring of underrepresented minorities has increased from 9% to 15% of new hires, while the percentage of underrepresented minority faculty leaving Penn has decreased. The Perry World House, providing classroom, conference and office space for global education initiatives, will open in the next fiscal year, and the Penn Wharton China Center in Beijing, which will provide logistical support for research in China, will open in March 2015. Dr. Price reminded SEC members that the groundbreaking ceremony for the Pennovation Center will take place on Friday, October 31, and encouraged SEC members to attend.

SEC members and the Provost then discussed: Penn's Presidential Professorships, the call for proposals for digital learning projects, loss of tobacco settlement funding from Pennsylvania, the Proposed New Student Disciplinary Protocol for Sexual Assault, Sexual Violence, Relationship Violence and Stalking, the effects on Penn of marijuana decriminalization in Philadelphia, recommendations from the Report of the Commission on Student Safety, Alcohol and Campus Life; Career Services and the new online system for graduate program applications.

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### Providing Students with ISBNs and Price Information for Books

The Higher Education Opportunity Act requires universities to make available to students, for each course, the International Standard Book Numbers (ISBNs) and price information for required/recommended books and supplemental materials.

To comply with this requirement, the University of Pennsylvania has worked closely with Barnes & Noble, managers of the Penn Bookstore, to develop a simple and cost-effective process to provide ISBNs to our students. Through the Bookstore's online system, students will have access to a complete list of materials for all their courses, along with the ISBNs for each listed text.

As in the past, textbook information can be provided to other vendors, and students are in no way required to purchase their books at the Penn Bookstore.

Faculty support will be a critical factor in the University's efforts to act in accordance with this new regulation. To that end, we encourage all Penn faculty members to work with the Bookstore as it communicates with you in the near future about this important resource for our students.

—Vincent Price, Provost  
—Andrew Binns, Vice Provost for Education

### Trustees' Meeting Coverage

As Chair of the Penn Trustees David L. Cohen opened the Stated Meeting last Friday morning, he noted what a special time this is for the University with the Homecoming Weekend that was underway as well as the Celebration of Innovation Friday afternoon.

Penn President Amy Gutmann described the event that included a festive ceremonial groundbreaking—with flying robots or quadrotors—for a new Pennovation Center which will be the centerpiece of the newly dubbed 'Pennovation Works.' Dr. Gutmann noted that the Silfen Forum that was held on Friday afternoon would be a conversation with Walter Isaacson, CEO of the Aspen Institute, best-selling biographer of Benjamin Franklin and author of a new book on innovation.

The Trustees approved a resolution of appreciation for Marie A. Savard after ten years of service as a trustee; as well as resolutions to elect the following as term trustees: James H. Greene, Andrea Berry Laporte and Simon D. Palley; and Jay S. Fishman and Robert M. Levy as charter trustees.

A resolution of appreciation was approved for outgoing GSE Dean Andrew C. Porter who has led the graduate school for seven years and will continue to do so through the fall semester until Pam Grossman assumes the deanship. The Trustees approved her appointment effective January 1, 2015.

Provost Vincent Price said that he will soon be appointing a consultative committee to search for a new Vice Provost of Education since Andy Binns will complete his nine-year term at the end of this year. The provost also mentioned that there will be an event on November 17 to mark the expansion of the Penn Center for Innovation.

EVP Craig Carnaroli gave the financial report for the three months ending September 30. He reported that for the Consolidated University, the total net assets were \$12.9 billion, an increase of \$1.1 billion over last year and \$371 million above budget. Net operating income was \$39 million, \$11 million higher than last September and \$19 million above budgeted net income. For the Health System, the operating income totaled \$81 million; operating revenue increased by \$122 million and expenses increased by \$120 million—both reflecting the addition of Chester County Hospital and Health System.

Dr. Larry Jameson's Penn Medicine report highlighted the fact that their NIH funding has increased somewhat in spite of such funding holding steady in general; the Health System is doing well financially and HUP is prepared to be a regional center, if needed, to deal with Ebola, responding to a request from the CDC.

The Trustees authorized the establishment of a Regulation Education Program which would offer two masters degrees in the Perelman School of Medicine, a master of regulatory affairs (MRA) and a master of regulatory science (MRS).

The Hill College House renovation full design (\$6 million) was approved to renovate the 1960 building, an \$80 million project.

An ambulatory care facility in Cherry Hill, NJ, will be developed, with an initial term of 20 years; total lease obligation (\$64 million).

The Facilities and Campus Planning committee reported on the new Perelman Center for Political Science and Economics which will be at 36th and Walnut and the new Penn Wharton China Center which will have a launch event in Beijing in March 2015.

Eight resolutions were passed concerning appointments to Penn Medicine, overseer and other boards.

## After a Decade, Penn Institute for Urban Research Celebrates Partnerships and Progress

With the number of city dwellers expected to double in the next 30 years, bringing the tally to seven billion city inhabitants worldwide, urbanization poses a wide range of critical issues, including housing, education, food security, energy, crime, economic development, income equality and public health.

For 10 years, the University of Pennsylvania's Institute for Urban Research has been tackling these challenges. Founded in 2004 as an umbrella to integrate and advance urban-focused research, education and the practice of experts from the University's 12 schools, Penn IUR is widely recognized across the University as a model for interdisciplinary collaboration.

"In a decade of work, Penn IUR has helped advance Penn's vital mission of integrating knowledge across disciplines," Penn Provost Vincent Price said. "Penn IUR builds essential collaborations among scholars, policy-makers and designers—generating innovative, world-class research that makes a tangible impact on our local and global communities. We celebrate its invaluable contributions and look forward to many more such contributions in the years ahead."

Eugenie Birch, the Lawrence C. Nussdorf Professor of Urban Research and Education in the School of Design, and Susan Wachter, the Richard B. Worley Professor of Financial Management in Penn's Wharton School, co-direct Penn IUR.

Dr. Birch says the key to Penn IUR's success has been in its ability to build effective partnerships across the University.

"What makes Penn IUR unique," she said, "is that it is not owned by any one school. The fact that we are a University resource gives us the freedom to move among schools, departments and centers."

Penn IUR is holding a series of special events throughout the year celebrating its anniversary and highlighting its core partnerships.

• On November 11, Penn IUR will celebrate its 10th anniversary with a discussion on *Urban Fiscal Stability and Public Pensions: Sustainability Going Forward*, from 3-6 p.m., in Van Pelt Library at the Pavilion on the 6th floor. The discussion with leading practitioners and researchers on the complex fiscal issues facing cities, will focus on the legacy issues of the funding of pensions, and looking forward to strategies that will support financial sustainability. Speakers include Robert Inman, Richard King Mellon Professor of Finance, professor of business economics & public policy, professor of real estate, The Wharton School; Mathew McCubbins, professor of law and political science, Duke Law; Amy Monahan, Julius E. Davis Professor of Law, University of Minnesota Law School; Joshua Rauh, professor of finance, Stanford Graduate School of Business and Senior Fellow, Hoover Institution, Stanford University; Richard Ravitch, former Lieutenant Governor of New York; and James Spiotto, managing director, Chapman Strategic Advisors LLC; and Marcia Van Wagner, vice president/senior credit office, States Team, Moody's Investors Service. Panels will be moderated by Olivia Mitchell, professor of business economics and public policy and executive director of the Pension Research Council, The Wharton School; and Robin Prunty, managing director, Standard & Poor's Public Finance Ratings. This event is co-sponsored by Next City and made possible with support from Melanie and Lawrence C. Nussdorf.

• On December 3, Penn IUR and the Center for Global Women's Health at the Penn School of Nursing will host an expert roundtable and

panel discussion on *Urban Women's Health in the United Nation's Post-2015 Agenda* to examine the proposed targets and indicators for urban women's health and well-being to be put forward in the upcoming Framework for the United Nations' Post-2015 Agenda, known also as the Sustainable Development Goals. This event showcases Penn's theme for the 2014-2015 academic year, *Health*.

Both events are free and open to the public. Registration is required. Additional information is available at [www.penniur.upenn.edu](http://www.penniur.upenn.edu)

Examples of campus partnerships include those with the School of Nursing on global women's health, with the Graduate School of Education on issues of community education, with the School of Arts & Sciences' department of criminology on place-based interventions and with the School of Veterinary Medicine on urban food security.

Penn IUR has also attracted national and international partners on events with urban interests, working with public and private partners, including the City of Philadelphia, the Pennsylvania Horticultural Society, Major League Baseball, the Ford Foundation, the Rockefeller Foundation, the US departments of the Interior and Transportation, the Environmental Protection Agency, the World Bank, UN-Habitat, the Asia Pacific Economic Corporation, the Organization of European Cooperation and others.

Dr. Wachter points to the impact these partnerships have on informing policy and practice.

"Penn IUR's partnerships with the Federal Reserve Bank of Philadelphia, HUD, the World Economic Forum, among others," she said, "have helped engage scholars and practitioners to work together to better understand the challenges of urbanization in the 21st century."

## Death

### Harry Reicher, Law

Harry Reicher, adjunct professor of law at the University of Pennsylvania Law School and one of Australia's leading international law and taxation experts, died on October 27. He was 66.

He appeared as a barrister on many occasions in the High Court of Australia and in the courts of England and the United States, and was involved in landmark cases of international human rights, international environmental law and Australian tax and corporate law.

For the past 19 years, Professor Reicher taught at Penn Law. He was especially known for his courses on Law and the Holocaust and International Human Rights. In 2003, he received the Law School's inaugural adjunct teaching award (*Almanac* May 27, 2003).

"Harry was a beloved colleague and teacher for many years," said Wendell Pritchett, Interim Dean of Penn Law and Presidential Professor. "He will be deeply missed by the entire Penn Law community."

He also taught for many years at Monash University in Melbourne, Australia, the University of Melbourne Law School and various other law schools in the United States.



Harry Reicher

His scholarship has appeared in the *Columbia Journal of Transnational Law*, and recent work has appeared in *Penn Medicine* magazine and as a chapter in *The Law in Nazi Germany: Ideology, Opportunism, and the Perversion of Justice* (Berghahn, 2013).

Born in Prague, in the former Czechoslovakia, Professor Reicher earned his undergraduate degrees in economics and law from Monash University. He also held LL.M. degrees from the University of Melbourne and Harvard Law School.

From 1995 to 2004, he worked—legally and diplomatically—to promote human rights and religious freedom as Representative to the United Nations for Agudath Israel World Organization, an international NGO with consultative status to the UN. During his tenure, he worked to protect and preserve Jewish cemeteries in Eastern Europe and to protect Jewish schools threatened with closure, among other issues.

He also served as director of international affairs for Agudath Israel World Organization, working on Holocaust-era restitution, reparations and compensation, along with the related litigation.

In 2004, he was appointed by President George W. Bush to the United States Holocaust Memorial Council, which oversees the US Holocaust Memorial Museum, and he served until 2008. He also served on the museum's Academic Committee and Committee on Conscience.

In April 2014, Professor Reicher was named the recipient of the inaugural Rutman Teaching Fellowship from the USC Shoah Foundation-The Institute for Visual History and Education. He spent a

week at the USC Shoah Foundation examining the Visual History Archive as research for his Law and the Holocaust course at Penn Law.

"He was truly passionate about teaching our students and his work on Law and the Holocaust was important to our collective understanding of the global human rights movement," said William Burke-White, Richard Perry Professor and inaugural director of the Perry World House. "We have lost a special friend to Penn and a champion of human rights."

"Harry's work on law and the Holocaust, especially the international law aspects of the question, was a unique and major contribution," said Jacques deLisle, Stephen A. Cozen Professor of Law and professor of political science.

"His passion and energy for teaching our students was remarkable," Professor deLisle added. "Harry was unfailingly generous with his time and unstinting in his interest in and enthusiasm for the work of his colleagues. And what he did for Penn was only one part of the contributions he made to human rights and to law, at the UN, in his native Australia and around the world."

He is survived by his wife, Chanie Reicher; his children, Chaim Reicher, Elisheva Engel, Nechama Haskelevich and Aharon Reicher; and his sister, Susie Engel.

### To Report A Death

*Almanac* appreciates being informed of the deaths of current and former faculty and staff members, students and other members of the University community. Call (215) 898-5274 or email [almanac@upenn.edu](mailto:almanac@upenn.edu)

The October 22 University Council meeting was devoted, in large part to the State of the University which consisted of two portions.

The first was the Provost's Report that dealt with Arts and Culture at Penn. Last week's issue (*Almanac* October 28, 2014) contained the presentations given by Julian Siggers, the Williams Director of the Penn Museum of Archeology and Anthropology along with Karen Beckman, the Elliot and Roslyn Jaffe Professor of Cinema and Modern Media in the department of the history of art. As advisor to the Arts for the University, she coordinates a University-wide arts initiative: <https://provost.upenn.edu/initiatives/arts>

The second was the President's Report which focussed on sexual assault and violence on campus. The presentation given by Wendy White, the senior vice president and general counsel, is below.

### *President Amy Gutmann*

For today's update, I want to focus on sexual assault and violence on campus. It is an important subject for Penn, as well as colleges and universities across the country. Our perspective on sexual assault and violence is that one assault is one too many. We are committed to doing everything we can to educate and raise awareness for prevention and to deal fairly with cases.

Penn has an excellent structure in place for preventing and addressing sexual violence. Our University is in compliance with the law and on pace with this challenging issue. In addition, we are closely monitoring recent legislative changes and guidance from the US Department of Education to ensure Penn continues to be compliant.

For more than four decades, Penn has been a leader in proactively addressing sexual violence on campus.

Our students, our faculty, our staff and our leadership have together implemented and improved a range of programs and procedures over the years.

The Penn Women's Center has created a variety of robust programs and campaigns addressing prevention, education and awareness.

Penn's Division of Public Safety (DPS) has operated a special services unit for decades. DPS also maintains strong relationships with the Philadelphia PD, the District Attorney's Office and agencies including Women Organized Against Rape and Women Against Abuse.

VPUL runs a variety of educational programs on sexual assault prevention. They also partner with the Graduate Student Center and the Chaplain's Office to confront this issue.

And the new Student Sexual Violence Educator in VPUL—hired as recommended by the Alcohol Commission—will play a central role in coordinating additional educational opportunities for the Penn community.

Yet as long as there are cases of sexual misconduct, Penn will continue to seek new and improved ways to address all forms of sexual violence on campus. It bears repeating: Even one instance is one too many. It also bears repeating that cases of sexual assault must be handled in a way that protects our core values of fairness in process.

We must ensure fairness to those coming forward as victims of sexual assault as well as to those accused of sexual assault. We can do nothing less.

We're joined today by Senior Vice President and General Counsel Wendy White, Vice President for Institutional Affairs Joann Mitchell and Vice Provost for Education Andy Binns, who I asked to lead our efforts on this important issue.

## **Sexual Assault and Violence**

*Wendy White—Senior Vice President and General Counsel*

Thank you Dr. Gutmann. What I thought I would do in the next few minutes is talk a little about the legal context for the regulations and compliance efforts that we have been looking at for Title IX. And then I am going to talk specifically about Penn's response to the legal context.

In 1972, Congress passed what is known as Title IX. It's Title IX of the Higher Education Act. What Title IX does specifically is prohibit gender discrimination in any institution, including K-12 as well as higher education institutions that have federal funding. Virtually all institutions in higher education receive federal funding. Early on, Title IX was a surrogate word for equality in sports and athletics on college campuses. And that was really the focus and use of that legislation. Later on it became broadened to deal with issues of sexual harassment more broadly both in K-12 and in higher education. In April of 2011, the Office of Civil Rights, (OCR) of the Department of Education, the federal office, issued what's known as a "Dear Colleague Letter" that went to every president of every college and university in the country explicitly providing that Title IX prohibited sexual assault and sexual violence on campus and providing guidance for the institutions as to how we should respond to sexual assault and sexual violence issues as they arise on our campus.

So since April of 2011, unless you've been living on another planet or under a rock, you have been reading day-by-day of a growing national focus and concern about sexual assault occurring nationwide on college campuses. There are more than 77 investigations being conducted right now by the Office of Civil Rights and there are a broad array of regulatory requirements, legislative requirements, negotiated rule makings and guidance that have come out from the Office of Civil Rights, the Department of Justice and the White House and there is pending legislation introduced by Senator McCaskill. Right before I came to this session, I started reading the new rules developed as part of a negotiated rule making under the Violence Against Women Act Amendments also known as the SaVe Act.

In April of 2014, the White House introduced its own guidance and they call their campaign "Not Alone." There are extensive questions and answers, references to regulatory and legislative requirements, a new Guidance from OCR, resources and guidance that the White House has posted on its new website. In short, this website has additional, and I have to say, more detailed requirements. So we have a complex regulatory background that we are confronting and have to take into account as we think about this extraordinarily important and serious issue.

As Dr. Gutmann indicated, in some respects, in many respects actually, Penn is way ahead of the game in this area. Before the Title IX "Dear Colleague" letter in 2011, Penn had a grant under the Violence Against Women Act and we were working hard, diligently and effectively in developing education campaigns, training and resources. There's a brochure that many of you should have seen that was developed before this focus on Title IX nationally. Our campaign is "Call It What It Is" and these brochures, available all over campus, describe the laws, the definitions and the resources available on our campus. So this is not new to us. This is not a surprise. What is a surprise is the intensity of the regulatory environment on top of the work that we had already been doing. We saw this as a priority and it has long been extraordinarily important to addressing it on

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our campus. It continues to be a priority.

So there are three new kinds of requirements that we are looking at. The first is reporting—Reporting of sexual assaults, sexual violence, dating violence, relationship violence and stalking. A number of these new requirements will require more extensive and more detailed reporting under the Clery Act and we are working very closely with the Division of Public Safety in implementing these requirements. DPS is really our partner in working to make sure that we meet these regulatory obligations and reporting statistics as we are required to do.

The second area is education and training. There are a whole series of new requirements that both encourage and require us to train all members of our community to recognize the problem of sexual assault, to know what to do when they learn of it, or witness it, to make sure that our students are aware of the numerous resources that we have and that they know what their options are if they are victims of sexual assault. So there are comprehensive new requirements on education and training. Again, we had undertaken to look at this a number of years ago and we continue to do so.

Then there's the third piece, which I want to pause and spend a little more time on and that's the disciplinary piece. How do we handle a complaint that is made by one of our students or others against a Penn student having to do with sexual assault or sexual violence? It is well documented that the process that we have used and all of our peers have used for many years in trying to address this very sensitive, very difficult, very complex issue was not working effectively and not serving our communities well. We were not successful in helping students to feel comfortable enough to come forward and raise a complaint of sexual assault. We know that the number of complaints that we get does not reflect the number or the scope of the problem on our campus or on any other campus. So, we along with all of our peer institutions have looked hard and closely and carefully and I hope thoughtfully at coming up with a different process for dealing with these sexual assault claims.

We have been encouraged to do so by the Office of Civil Rights, by the White House and other regulatory bodies as we think about what is a fair and balanced but effective way of dealing with these very difficult cases. We have consulted with student leaders, with the Penn Women's Center, with the Vice Provost for University Life, with the Deans, the faculty, the Office of Student Conduct, Student Health, CAPS and others across the campus and now, here we are today, talking about what we are considering for a new procedure that will be objective, professional, even handed, fair and more effective in dealing with these complaints.

The new system that we are proposing, we are calling an "Investigative Model." I think that's consistent with what the White House and the Office of Civil Rights and experts have advocated. And what this means is that we will look to hire and we are already looking to hire a professional Title IX sexual assault investigator, that is someone who is well trained in investigating sexual assault, knows how to interview, knows how to assess credibility, knows how to read the evidence and someone who can be fair and impartial in conducting these kinds of investigations. Somebody who students will feel comfortable approaching if they want or need to raise a complaint, and someone who will make students accused of sexual assault feel as though they are being heard and treated fairly.

Once we hire a sexual assault investigator, that person will work with a team that we will develop on a case-by-case basis depending upon who the student is, and what school is involved. You can never have just one person responsible for this kind of important investigation, so we will use a team that will interview the complainant and the respondent, the witnesses, look at any physical evidence if there is any and any available

documents including evidence like text messages. They will make a preliminary determination on whether or not they believe the respondent should be held responsible. The investigator will then present this draft report to the complainant and the respondent who can comment on it, make suggestive changes, can ask for further work be done if that's appropriate. The investigator then finalizes the report and makes a recommendation as to whether or not to find the student respondent responsible and a recommended sanction. If the matter can be resolved by that report to the satisfaction of both the complainant and the respondent that will resolve the matter. If not, the case will go to a panel. It will be a faculty panel that will be both trained generally and then trained just in time to handle these kinds of complainants. We will have a more limited panel to select the faculty panel from because we want to make sure that we have people who are experienced and well trained. These are not easy issues to deal with and we want people who know how to deal with them. They will listen to the investigator, read the report, look at the evidence, interview the complainant, interview the respondent and make a judgment as to whether or not to hold the respondent responsible. If the issue is not resolved at that point, both sides have the right to appeal to an appellate officer to ensure that the process was appropriately followed.

This is the process that the Office of Civil Rights and the White House is encouraging. But more importantly, we believe for our campus, it is the right process for us to make sure that we deal in a better, more effective, fair and balanced way with these very difficult issues. We think it will be less intimidating and will actually encourage victims who before have not been willing to come forward to make a claim. While at the same time protecting the rights of the accused. One of the first questions many people ask, after we do this presentation, well how many of these cases do we have? And there are a number of answers to that. As Dr. Gutmann says, "One is too many." The number of cases we have, I suspect will go up at first, and as a matter of fact, that's what we hope after this process is implemented because I think we will see that people are more willing to come forward than they were before. How many of these cases we will have we really don't know. But it's a problem that's very serious, it's nationwide and we do need to step up and deal with it appropriately. We're still working out the details of the proposal, but that's the basic outline.

Thank you.

*President Amy Gutmann*

Thank you all very much for the thorough update and discussion. Our efforts to address sexual assault are truly a shared community effort. I am grateful to all those who work so diligently to protect everyone who calls Penn home.

I believe the University is doing all that can be done to confront this issue effectively and fairly. I also know that we welcome any and all new ideas for improving this important work.

And of course, I look forward with hope to a time when, perhaps, that work will no longer be needed. Thank you.

### Open Forum

The Open Forum consisted of one topic concernig the Theme Year for the next academic year. The topic was raised by Denzel Cummings, C'15, who commended Penn for selecting Langston Hughes' *The Big Sea* as the Penn Reading Project book for 2014-2015, but not for the proposed theme—the Year of Identity—which he thought was too broad as opposed to a theme pertaining to race/identity.

## Home Buying Through PHOS

Penn Home Ownership Services (PHOS) is hosting *Home Buying Through PHOS* on Friday, November 7 from noon-1 p.m. at Learning and Development at 3624 Market Street. This informative presentation will provide attendees step-by-step instructions on how to apply for the PHOS program and offer a detailed review of the benefits available to qualified employees. Representatives from Gateway Funding, one of PHOS's preferred lending partners, will join members of the PHOS staff at the event and be available to address audience questions.

Please register in advance for this event by visiting the Knowledge Link website at [knowledgelinek.upenn.edu](http://knowledgelinek.upenn.edu) or calling (215) 898-7422.

## Penn Credit Card Program—Protecting Your Privacy: A Top Priority

The Penn Credit Card Program provides members of the University community with a variety of credit card options. Bank of America, the provider of this credit card, helps support the University of Pennsylvania with every account opened and for every purchase that you make with the card.

Bank of America maintains strict parameters regarding the promotion of Penn product offerings and does not provide your information to any other organization or use it for any other purpose outside of Penn's specific programs. If you wish to learn more about the program, please visit [www.upenn.edu/creditcard](http://www.upenn.edu/creditcard)

For those who are interested in being removed from mailing lists or promotional material, you may do so via the above link or by calling (215) 898-IDEA.

—Business Services

## Volunteer Opportunities

Dear Penn Community,

Thank you so very much for your continued generosity. As a result, the Penn community has a huge impact during the holiday season on our surrounding community. We look forward to working with you again this year as we strive to make a difference in the lives of our many deserving neighbors. Below is a list of current opportunities.

—Isabel Sampson-Mapp, Associate Director, Netter Center for Community Partnerships

**Mentors needed for the Penn WorkPlace Mentoring Program!** 7th grade students from local schools visit campus once a month for a few hours. You have the opportunity to make a friend, expose students to campus and to talk to them about the importance of a college education. All programming takes place on campus once a month. Please join us. Contact Isabel Mapp at (215) 898-2020 or send an email to [sammapp@pobox.upenn.edu](mailto:sammapp@pobox.upenn.edu) for additional information.

**Become a Dropsite Volunteer!** Participate in the four annual drives held by Penn Volunteers In Public Service (Penn VIPS) to benefit members of the surrounding community.

We are in need of locations around the University that can serve as a drop-off point during our school, toy, gift drives as well as others. Your role would be to help advertise the event and to collect as well as deliver the donated items to our central location. We look forward to having you join us. Contact Isabel Mapp at (215) 898-2020 or send an email to [sammapp@pobox.upenn.edu](mailto:sammapp@pobox.upenn.edu) for additional information and/or to make a donation.

## Penn Libraries Secure On-Site Library Borrowing at the Ivies, Johns Hopkins, Chicago, MIT and Duke

The Penn Libraries are pleased to announce the launch of BorrowDirect PLUS. This service grants Penn affiliates on-site borrowing privileges at the eight Ivies, Johns Hopkins, MIT, University of Chicago and Duke University. The on-site initiative is an extension of the popular BorrowDirect interlibrary lending program. Since its founding by Penn, Columbia and Yale in 1999, BorrowDirect has provided easy search and expedited book supply for the Penn community.

Borrow Direct PLUS is simple to use. When visiting one of the participating libraries, you simply present your Penn ID and log into the online BorrowDirect interface to verify your current affiliation with Penn. Once verified, you will be issued a library card from the member institution you're visiting.

It is strongly recommended that guest users check online for local access information at [www.borrowdirect.org/on-site-borrowing](http://www.borrowdirect.org/on-site-borrowing) since items and collections eligible for on-site lending may vary from institution to institution. Borrowed items may be returned at either the lending library or at Penn Libraries.

Most materials at the participating libraries are already available through BorrowDirect's online feature, at <http://webdoc.library.upenn.edu/borrowdirect/>. The rapid book request and delivery system offers immediate access to over 50 million volumes held by the partner libraries.



## Penn's Way 2015 Raffle

### Week 6 (November 3-7)

Penn Ice Rink; Morris Arboretum; Bon Appétit @ Penn Dining; Fun Pack; Admission to Arboretum, Ice Rink, Meal @ Retail Dining (\$57)

Penn Business Services: Penn-Branded Apparel (\$50)

D'Angelo's: Gift Certificate (\$35)

Penn Business Services: Palestra Wood Bottle Opener (\$80)

The Sixers: Signed photo, cap and shirt (\$60)

The Sixers: Signed photo, cap and shirt (\$60)



SEPTEMBER 29 – NOVEMBER 14

### Week 4 Winners

#### Mid-Point Grand Prize Drawing

World Travel: Two round-trip airline tickets, anywhere in contiguous 48 states, some conditions apply—Sarah Adeyinka, Graduate Student, Department of Sociology, School of Arts & Sciences

\* Prizes valued at over \$100 will be subject to local, state & federal incomes taxes.

See [www.upenn.edu/pennsway](http://www.upenn.edu/pennsway) for more information about the Penn's Way campaign.

## One Step Ahead

Security & Privacy  
Made Simple

Another tip in a series provided by the Offices of Information Systems & Computing and Audit, Compliance & Privacy.

### Mobile Device Security: Five Easy Steps to Secure Your Device

In 2013, nearly 5 million devices were reported as either lost or stolen in the US. What's even more shocking is that less than 60% of mobile device users take basic steps toward protecting data stored on their devices, such as setting a passcode. By taking the right steps, a device can be protected in just a matter of minutes. Many of the features below can be enabled in the Settings App. Alternatively, have many of the settings enabled by letting Penn "manage" your device with ActiveSync. Ask your Local Support Provider for more details about that service.

1. **Enable a PIN or Password:** At a minimum, set a four digit passcode to access your device. 80% of lost phones show signs of snooping by the person that found them — and not just the owner's contacts, but files and emails too. If you have an iPhone with a TouchID, enroll a fingerprint for easier access and set a longer PIN for more security.

2. **Passcode Lock:** Automatically lock the device and require the PIN to be re-entered after a maximum of 30 minutes of inactivity.

3. **Auto-wipe:** After 10 failed passcode entries, the device should "wipe" (erase) all of the contained data.

4. **Enable Tracking and Remote Wipe:** Whether iOS or Android, there are tools to assist with device recovery and data security. If using an iPhone or iPad, open the Settings App and navigate to 'iCloud' to turn on 'Find my iPhone'. On Android devices, look for the 'Google Settings' app and enable both options under 'Android Device Manager'.

5. **Backup up:** If you have any data stored only on your mobile device, such as photos or other media, use a cloud solution to create a backup.

For more tips for securing your mobile device see: [http://www.upenn.edu/computing/security/checklists/Top10/Top\\_10\\_Tips\\_for\\_Smartphones.php](http://www.upenn.edu/computing/security/checklists/Top10/Top_10_Tips_for_Smartphones.php)

For Mobile App recommendations see: <https://secure.www.upenn.edu/computing/resources/category/mobile/article/recommended-mobile-applications>

For additional tips, see the One Step Ahead link on the Information Security website: [www.upenn.edu/computing/security/](http://www.upenn.edu/computing/security/)

### Subscribe to Express Almanac

Sign up to receive email notification when we post breaking news between issues. Send an email to [listserv@lists.upenn.edu](mailto:listserv@lists.upenn.edu) with "subscribe e-almanac <your full-name>" in the body of the message. —Ed.



# Update

November AT PENN

## CHILDREN'S ACTIVITY

**14** *40 Winks with the Sphinx*; spend a night at the Penn Museum, for ages 6-12; 5:30 p.m.; Penn Museum; register: <http://tinyurl.com/m2bjtk> (Penn Museum). *Through November 15, 9 a.m.*

## CONFERENCE

**7** *Native American Studies at Penn: Approaches to Indigenous Knowledge*; 3-5 p.m.; Rainey Auditorium, Penn Museum. *Through November 8, 9 a.m.-3 p.m.* (Faculty Working Group on Native American and Indigenous Studies). *See Music.*

## FITNESS & LEARNING

**8** *Penn Graduate School of Education Prospective Student Information Session*; 12:30-3:30 p.m.; Graduate School of Education; RSVP: <http://tinyurl.com/lyemtx3> (Penn GSE). *Also November 14 & 21, 10:30-11:30 a.m.*

## MUSIC

**7** *Joanne Shenandoah*; singer-songwriter of the Oneida Nation of New York; free concert in conjunction with *Native American Studies at Penn: Approaches to Indigenous Knowledge* conference; 6:30 p.m.; Penn Museum (Museum). *See Conferences.*

## SPECIAL EVENT

**11** *Microbirth Movie Fundraiser*; support free childbirth education classes, there will be concessions and raffle prizes; 6:45 p.m., doors open 5:45 p.m.; Hall of Flags, Houston Hall; tickets: <http://microbirth.ticketleap.com> (Helen O. Dickens Center for Women's Health).

## TALK

**11** *Be In the Know for Your Health*; Sue Sprout, Human Resources; 12:30 p.m.; Ben Franklin Room, Houston Hall (WPPSA).

## Native American and Indigenous Studies Concert & Conference: November 7

Joanne Shenandoah, the Grammy award-winning singer-songwriter of the Oneida Nation of New York, offers a free concert in the Penn Museum on November 7 at 6:30 p.m. An internationally renowned performer with a history of performing around the world to promote peace, Ms. Shenandoah incorporates traditional and contemporary music, weaving traditional chants with guitar and vocals, emphasizing the importance of water, music, peace and connections with the natural world. Winner of a Grammy Award for her songwriting and vocals in the multi-artist album *Sacred Ground, A Tribute to Mother Earth* (2005), she has won more Native American Music Awards, or Nammys (more than a dozen), than any other performer, numerous other music awards and an Honorary Doctorate of Music from Syracuse University.



Joanne Shenandoah

She has performed in major venues and at special events, appearing at the White House and at several Presidential inaugurations, and at such venues as Carnegie Hall, the Museum of the American Indian, Madison Square Garden and the Toronto Skydome. In 2012, Ms. Shenandoah performed for His Holiness the Dalai Lama; she also composed and performed an original piece at St. Peter's at the Vatican for the celebration of the canonization of Kateri Tekakwitha, the first Native American Saint.

Ms. Shenandoah is an advocate for innovative education, serving as a founding board member of the Hiawatha Institute for Indigenous Knowledge at Syracuse University.

## AT PENN Deadlines

The November AT PENN calendar is online at [www.upenn.edu/almanac](http://www.upenn.edu/almanac). The deadline for the December AT PENN calendar is *Tuesday, November 11*.

Info. is on the sponsoring department's website; sponsors are in parentheses. For locations, call (215) 898-5000 or see [www.facilities.upenn.edu](http://www.facilities.upenn.edu)

*About the Conference*  
The Faculty Working Group on Native American and Indigenous Studies (NAIS) at the University of Pennsylvania hosts a free two-day conference, *Native American Studies at Penn: Approaches to Indigenous Knowledge*, designed in part to promote the emergence of the new minor in NAIS. The conference highlights innovative approaches to recovering and engaging with Indigenous knowledge in the classroom and in the field. Presenters also recount the early histories of Penn's relations with Native students and envision future plans for NAIS.

The conference features presentations by Indigenous scholars and NAIS faculty at Penn, speaking to the topic of integrating Indigenous knowledge in the academy.

The conference and concert are held at the Penn Museum, which currently features an interactive new exhibition, *Native American Voices: The People—Here and Now*, which draws upon the Museum's rich Native American collections, as well as the voices and perspectives of hundreds of contemporary Native Americans.

This program is made possible in part by a grant from the Mellon Cross-Cultural Conference Grant Program. Co-sponsors include the Penn Museum and the Penn Museum's Penn Cultural Heritage Center, the Provost's Office, the McNeil Center for Early American Studies and the Departments of Anthropology, Linguistics and Educational Linguistics.

## CLASSIFIED—PERSONAL

**HOUSE FOR RENT FOR SPRING SEMESTER:** Wharton teacher has furnished home in beautiful suburban neighborhood in Swarthmore/Media available for rent for coming semester. It has 3 bedrooms, 1 and 1/2 baths, and lovely yard. I live around the block and will be available to help make stay comfortable. Perfect for visiting faculty, grad student, etc. Contact Steve at (w) 610-328-7725.

To place an ad, call (215) 898-5274 or visit [www.upenn.edu/almanac/faqs.html#ad](http://www.upenn.edu/almanac/faqs.html#ad)  
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## The University of Pennsylvania Police Department Community Crime Report

**About the Crime Report:** Below are all Crimes Against Persons and Crimes Against Society from the campus report for **October 20-26, 2014**. Also reported were 16 Crimes Against Property (7 thefts, 2 DUIs, 2 other offenses, 1 burglary, 1 fraud, 1 liquor law violation, 1 traffic violation and 1 vandalism violation). Full reports are available at: [www.upenn.edu/almanac/volumes/v61/n12/creport.html](http://www.upenn.edu/almanac/volumes/v61/n12/creport.html) Prior weeks' reports are also online. —Eds.

This summary is prepared by the Division of Public Safety and includes all criminal incidents reported and made known to the University Police Department between the dates of **October 20-26, 2014**. The University Police actively patrol from Market Street to Baltimore Avenue and from the Schuylkill River to 43rd Street in conjunction with the Philadelphia Police. In this effort to provide you with a thorough and accurate report on public safety concerns, we hope that your increased awareness will lessen the opportunity for crime. For any concerns or suggestions regarding this report, please call the Division of Public Safety at (215) 898-4482.

10/23/14	8:30 p.m.	3900 Irving St	Confidential sex offense
10/24/14	1:09 p.m.	4244 Spruce St	Unknown male attempted to take property
10/25/14	3:13 a.m.	100 S 43rd St	Complainant robbed by unknown males

## 18th District Report

Below are the Crimes Against Persons from the 18th District: 8 incidents with 3 arrests (3 assaults, 3 robberies and 2 rapes) were reported between **October 20-26, 2014** by the 18th District covering the Schuylkill River to 49th Street & Market Street to Woodland Avenue.

10/20/14	10:03 a.m.	43rd St and Baltimore Ave	Assault
10/21/14	3:07 a.m.	432 S 47th St	Robbery/Arrest
10/21/14	3:24 a.m.	536 S 48th St	Robbery/Arrest
10/23/14	10:27 p.m.	3900 Irving St	Rape
10/24/14	7:12 p.m.	4311 Ludlow St	Rape
10/25/14	3:37 a.m.	100 S 43rd St	Robbery
10/25/14	5:27 p.m.	255 S Saint Bernard St	Assault
10/26/14	3:33 p.m.	1009 S 47th St	Assault/Arrest

## Three Graduates from Penn Vet Working Dog Center: First Diabetes Alert Dog, Narcotics Detection Dog and Urban Search and Rescue Dog

# Working Dog Center



Dr. Cindy Otto,  
director and  
founder of the WDC.

Bretagne—a two-year-old Golden Retriever—the program’s first diabetes alert dog; Morgan—a two-year-old yellow Labrador Retriever—urban search and rescue dog; and Thunder—a two-year-old chocolate Labrador Retriever—narcotics detection dog, graduated from the Penn Vet Working Dog Center (WDC) last Wednesday. All three dogs were members of the Center’s inaugural class of puppies in September 2012.

“Throughout their training, Bretagne, Morgan and Thunder consistently surpassed our highest expectations,” said Dr. Cindy Otto, executive director of the Penn Vet Working Dog Center. “We are incredibly proud of these dogs and wish them well in their new partnerships. It will be extremely rewarding to see them thrive in their careers as they put their scent-detection skills to work in order to save lives.”

In her new role, Bretagne will alert her owner, Wayne Mowry (*below left*) of Bloomingdale, NJ, when his blood sugar is out of normal range. Mr. Mowry has had Type 1 diabetes since the age of 10.

“It’s a comfort having Bretagne with me, knowing that she is trained to help me when my blood sugar goes below the normal range,” said Mr. Mowry. “She alerts me before the drop in blood sugar has a drastic impact on my health.”

Bretagne received her certification from the Diabetes Alert Dog (DAD) Alliance. To pass the certification test, a dog-and-handler team must demonstrate the dog’s ability to alert on the handler’s glycemic low or high as well as behave

obediently in all public situations. The public portion of the test includes entering and exiting a car, resting quietly under a restaurant table, navigating escalators and elevators easily, boarding public transit and ignoring distractions that range from food to toddlers. A separate scent discrimination test requires the dog to successfully indicate the presence of glycemic odor in a double-blind test, where neither the test observer nor the handler knows beforehand which of four samples contains the odor. The entire test is videotaped then reviewed by a committee of experienced trainers affiliated with the DAD Alliance. For more information about Bretagne’s training, see <http://pennvetwdc.org/research/research-projects/diabetic-alert-dogs/> For video of Bretagne’s training, see <http://tinyurl.com/mwjoedu>

Bretagne, born on May 29, 2012, was donated to the Center by Shorewood Retrievers. She is named in honor of Bretagne Corliss, one of only two dogs still alive today who deployed to the World Trade Center following the attacks on 9/11.

Morgan will join Trooper Brian Stanker (*below middle*) in the New Jersey State Police Narcotic Detection K9 Unit.

“The training that Morgan received at Penn Vet Working Dog Center, combined with his natural high drive and desire to work, have resulted in a canine that is a pleasure to partner with,” said Trooper Stanker.

In preparation for his narcotics detection career, Morgan successfully completed the Center’s puppy foundation program, which includes obedience, agility, direction and control and search training. Morgan’s search training started with extensive work searching for live hidden people, then expanded to include searching for specific scents on vehicles, in buildings and on luggage and parcels. Morgan’s training at the Center was complete once he was imprinted on the odors of marijuana, cocaine and heroin. His training continues with Trooper Stanker to become a certified Narcotics Detection Ca-

nine. For video of Morgan’s training, see <http://tinyurl.com/q3lp96w>

Morgan, born on July 13, 2012, was donated to the Center by Dogworks Kennels. He is named in honor of Morgan Johnson, who deployed to the Staten Island Landfill following the attacks on 9/11.

Thunder will join Spring Pittore of New Jersey Task Force One, to provide advanced technical search and rescue capabilities to victims trapped or entombed in structurally collapsed buildings.

“Thunder and I have spent a few months building our bond. I could not ask for a dog with a better personality. But more importantly, Thunder knows his job and does it very well,” said Ms. Pittore.

During his training, Thunder built the confidence to search and find targets in a variety of environments, including buildings, vehicles, a giant rubble pile and an array of outdoor areas. Urban search and rescue dogs rely heavily on their noses to hunt, while staying focused on their task without distraction. To learn more about search and rescue training at the Penn Vet Working Dog Center, see <http://tinyurl.com/q8ak998> For video of Thunder’s training, see <http://tinyurl.com/ogza4ku>

Thunder, born on July 21, 2012, was donated to the Center by TGK’s Nebraska Pointing Labs. He is named in honor of Thunder Sessions, who deployed to the Pentagon following the attacks on 9/11.

Opened on September 11, 2012, the Penn Vet Working Dog Center is the nation’s premier research and educational facility dedicated to harnessing the unique strengths of canine partners and producing an elite group of scent-detection dogs for public safety and health. Dogs in the program are named in honor of individuals who lost their lives on 9/11 and canine heroes who served following the attacks. For more information, visit [www.pennvetwdc.org](http://www.pennvetwdc.org)



Photographs by Maraguerite F. Miller



Above (left to right) with Thunder, Pat Kaynaroglu, training manager for the Working Dog Center; Donna Magness, dog handler for the Center; Pat Pittore of New Jersey Task Force One (husband of Spring Pittore, new owner of Thunder) and Jeanette Koran, foster parent of Thunder.