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Penn Medicine: Launching Nation's First Program for the Study of Ethical and Policy Issues in Neurodegenerative Diseases



Jason Karlawish

The Perelman School of Medicine and the department of medical ethics and health policy at the University of Pennsylvania announced the creation of the Penn Neurodegenerative Disease Ethics and Policy Program. The new program will support research, education and training to identify and address

the ethical and policy implications of advances in the diagnosis and treatment of neurodegenerative diseases, and work toward forming best practices for how these advances can be successfully translated into clinical practice.

"This first-of-its-kind program positions Penn to be the national leader in an emerging area of neuroethics," said Dr. Ezekiel Emanuel, chair of the department of medical ethics and health policy. "It comes at a critical time in research and care. The millions of patients disabled by devastating neurodegenerative diseases such as Alzheimer's disease and Parkinson's disease, as

well as their families, clinicians and policymakers, face notable ethical and policy challenges related to losses of function and decision-making capacity. In addition, progress in biomarkers that promise early, even pre-clinical, diagnosis and treatment is creating new ethical challenges."

With support from the Provost's Office, the MetLife Foundation, The Michael J. Fox Foundation for Parkinson's Research and the Robert Wood Johnson Foundation, the program will examine the ethical, legal and social impact of neurodegenerative diseases; develop best practices and guidelines for biomarker testing in clinical trials and clinical care; and examine the value of biomarker-based diagnostics and therapeutics. The program will also create "Making Sense of Alzheimer's Disease," a web-based resource to educate patients, families and clinicians about these issues.

Dr. Jason Karlawish, professor of medicine, medical ethics and health policy, will serve as the program's inaugural director. Dr. Karlawish is the associate director of the Penn Memory Center and an international leader in the neuroethics of aging. His research has developed novel instruments to assess decisional capacity, examine the ethics and value of Alzheimer's disease clinical trial designs and diagnostics and address voting rights for older adults with cognitive impairment.

\$2.75 Million for Researchers as Part of New 'Swarm' Computing Center

Researchers at the University of Pennsylvania are participating in a massive, interdisciplinary collaboration known as the TerraSwarm Research Center, which will study the potential applications—and risks—of "swarm-based" computing and robotics. Based at the Swarm Lab at the University of California, Berkeley, the nine-university project has received a \$27.5 million, five-year grant from the Semiconductor Research Corporation and the Defense Advanced Research Projects Agency as a part of the Focus Center Research Program.

The Penn team, led by Dr. George Pappas, the Joseph Moore Professor and chair of the department of electrical and systems engineering, and Dr. Vijay Kumar, the UPS Foundation Professor in the departments of mechanical engineering and applied mechanics and computer and information science of the School of Engineering & Applied Science, will receive \$2.75 million.

For the TerraSwarm Center, "the swarm" is an extension of "the cloud" that goes well beyond information technology to improve energy efficiency, safety, comfort, security and human effectiveness by integrating the physical world with the cyber world. It leverages recent advances in the variety, cost, size and power consumption of sensing and actuation devices and the associated communication networks. Sensors on these devices can collect a range of data—including video, audio, location, movement, temperature and air quality—that can be used by computing systems to direct physical devices in smart buildings, transportation systems, medical systems, security systems and homes.

Sensor and actuator swarms were originally conceived and developed in the mid-1990s, but thus far they have primarily been used in the context of single, localized applications, such as monitoring and controlling the temperature in commercial data centers. A key goal of the TerraSwarm Research Center is to enable swarms to be deployed at a much larger scale, extending across a city and beyond, and to interact synergistically with each other, with pervasive networked handheld devices and with the computing "cloud." Swarm data can then be combined with information already available from cell phones and social-networking applications, dramatically increasing the potential for sophisticated data analysis and correlation.

"In emergency situations," Dr. Pappas said, "like responding to 911 calls or surveying the environment after a disaster like Hurricane Sandy, there is an immediate need for rapid and reliable collection of information, which might be done by stationary sensors on the ground or by mobile sensors on robots. Information could then be integrated from various sources in cloud-based services and relayed back to the ground for optimal deployment of search-and-rescue teams."

There are risks involved when it comes to collecting information on such a massive scope.

(continued on page 9)

Janice and Julian Bers Professor of History and Sociology of Science: Susan Lindee



M. Susan Lindee

Dr. M. Susan Lindee has been appointed the Janice and Julian Bers Professor of History and Sociology of Science in Penn's School of Arts & Sciences.

Dr. Lindee is associate dean for the social sciences in SAS, where she oversees the departments of anthropology, criminology, economics, history and sociology of science, political science

and sociology, as well as several research centers in the social sciences. She is the former chair of the department of history and sociology of science. Her research interests include the history of genetics, gender and science, science and popular culture, and science and war.

She has authored several books, including *Moments of Truth in Genetic Medicine*, *The DNA Mystique: The Gene as a Cultural Icon*, and *Suffering Made Real: American Science and the Survivors of Hiroshima*. Dr. Lindee worked as a journalist for ten years prior to earning her PhD in history and philosophy of science from Cornell University and joining Penn's faculty in 1990.

Dr. Lindee received a Guggenheim Fellowship in 2004 and was awarded a Burroughs Wellcome Fund 40th Anniversary Award in 1997. She also received the Ida and Henry Schuman Prize (now known as the Nathan Reingold Prize) from the History of Science Society in 1988.

The Bers Professorship was established by alumni Janice and Julian Bers. Janice Smith Bers earned her BA in elementary education from Penn in 1939. The late Julian Bers, W'31, headed two major industrial ventures, culminating with Imperial Metal and Chemical Company. He served as a University trustee and board member of the Hospital of the University of Pennsylvania.

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Pullout: February AT PENN

SENATE From the Senate Office

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 Sue White, 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, January 23, 2013

Chair's Report: Faculty Senate Chair Susan Margulies asked SEC members to complete the 2013 Senate Committee on Committees ballot. She reported that the February SEC meeting will feature President Amy Gutmann and Vice Provost for Faculty Lynn Lees and asked SEC members to write down their questions for the February speakers. Dr. Margulies updated SEC with information addressing questions from the SEC December meeting on sabbatical funding, compensation and transparency. She noted that the Senate Committee on Faculty and the Administration is continuing conversations regarding sabbatical concerns. She reminded SEC members that the March SEC meeting will feature guest speakers Ronald Ehrenberg, professor of industrial and labor relations and economics at Cornell University, and Andrew Delbanco, professor of American studies and humanities at Columbia University. This event will be open to all faculty.

Update from the Provost: Provost Vincent Price updated SEC on a recent report published by Moody's on the challenges facing the higher education sector, noting that Penn is well positioned for pressures Moody's outlined regarding traditional revenue streams. He updated SEC on the four portfolios in the Office of the Provost: Faculty, Education, Research and International Affairs. He reported that the Vice Provost for Faculty has just completed an update on Gender Equity and is working on implications of health care reform for part-time faculty and discussions with deans on school diversity action plans. He stated that the Vice Provost for Education is working on a self-study for the Middle States Accreditation, suggestions for improvement of policies and procedures for Academic Integrity with the SAS Committee on Undergraduate Education (CUE), and the online education Coursera platform. He noted that Penn has launched more than a dozen Coursera courses and there have been 20 new proposals for the next round of courses. Provost Vincent Price explained that the Senior Vice Provost for Research is collaborating with working groups to reduce regulatory burdens and improve efficiency. He noted that research commercialization has been very successful this past year. He reported that the Vice Provost for Global Affairs is moving forward with the strategic plan to prepare students for an increasingly global society, strengthen Penn as a global agenda-setter, and promote productive leadership to advance healthy lives. He added that Penn is moving ahead with the Penn Wharton Center in Beijing in the near future to facilitate research and teaching for the University community in China and the development of a World House on campus to provide a center for all organizations involved in global engagement. SEC questions focused on the following topics: state funding support, challenges for research funding, revisions with the Patent Policy, and ways to keep up with the rapid rate of data production, innovation and the pace of change.

Travel & Expense Management System (TEMS) Overview: Marie Witt, vice president for the Division of Business Services; Steve Golding, vice president of Finance and Treasurer; Hilary Easley, Travel & Expense program manager; and Mark Mills, director of Purchasing, updated SEC on the Travel and Expense Management Project. Ms. Witt explained that this project is in response to feedback that there are many inefficiencies and significant time drain with the current methods to reserve travel. She outlined the breakdown of the \$33.5 million dollars that is annually spent for travel. Ms. Easley explained the features of the Travel and Expense Management System's three components: Concur Travel Tool for travel booking, approval, and fulfillment through World Travel, Concur Expense Management for expense report submission and approval, and Concur Pay for travel payment/reimbursement. Mr. Mills explained that a new Bank of America VISA travel credit card will be offered that has the ability to be integrated with Concur and will feature reduced fees for international travel. He noted that the goal of the TEMS is to greatly improve efficiency, reporting and time for reimbursement. He outlined the roll-out plan for the TEMS and added that the group is hoping to pilot the system in March for all schools and centers with a target launch to all faculty in July. Ms. Easley showed a short demonstration of the TEMS for the SEC membership.

Penn's Way—Thanks A Million

Dear Friends and Colleagues:

Each year Penn's Way calls upon the unified strength of the Penn community to respond to the needs of those less fortunate. For this year's *Where Passion Meets Action* campaign you answered our call and then some! On behalf of the University and Health System leadership and our charitable partners from the Center for Responsible Funding, Penn Medicine and The United Way of South-eastern Pennsylvania we would like to say "Thanks A Million!" Thanks a million for your commitment to sending a message of hope and support to the vulnerable populations these agencies serve.

Because of your generosity and compassion, in spite of these challenging financial times, the Penn's Way 2013 Campaign met and exceeded its goal of \$1,400,000! Our final total was \$1,531,412.

We especially applaud the hard work and enthusiasm of the many individual volunteers who served as Volunteer Coordinators and Captains.

Our deepest thanks to them and to you for making the Penn's Way 2013 Workplace Giving Campaign another remarkable success! Thank You.

—Maureen S. Rush, Vice President for Public Safety, Penn's Way 2013 Co-Chair

—Susan E. Phillips, Senior Vice President for Public Affairs, Chief of Staff, Penn Medicine,
Penn's Way 2013 Co-Chair

—Dwight L. Jaggard, Professor of Electrical and Systems Engineering,
Chair-elect Faculty Senate, Penn's Way 2013 Faculty Advisor

—Peter D. Quinn, Vice Dean for Professional Services, Senior Vice President, UPHS,
Penn's Way 2013 Faculty Advisor

BRCA Funding Opportunity

The Basser Research Center for BRCA at Penn's Abramson Cancer Center announces the availability of funding for University of Pennsylvania faculty members through two mechanisms:

- Basser Stars Pilot Program for Junior Faculty (within five years of end of training)

- Basser Research Center Grants for All Faculty

Reflecting the Center's mission to use cutting edge research in basic and clinical sciences to advance the care of individuals living with BRCA1 and BRCA2 mutations, both types of grants are focused on innovative cancer research projects. Investigators who have already received peer-reviewed funding for their proposed projects will not be eligible for this award. The Basser Stars Pilot program is aimed at young investigators to support their work as they plan submission for national peer-reviewed grant funding.

The scientific objective of the Basser Research Center for BRCA includes the funding of research projects related to BRCA1/2 ranging from basic science, prevention, early detection and targeted therapeutics to survivorship and communication. Collaborative projects are strongly encouraged. Please note the science must have relevance to the study of BRCA1/2 to be considered.

The award period for the Basser Research Center for BRCA grants is for one year—July 1, 2013 to June 30, 2014. The application deadline is March 1, 2013. For more information, visit the Center's website at www.pennoncancer.org/basser/grants or contact Beth Stearman, administrative director at stearman@mail.med.upenn.edu

Brookings Tops List in Penn's Annual World Think Tank Rankings

For the third consecutive year, the Brookings Institution has been ranked Think Tank of the Year in the University of Pennsylvania *Global Go-To Think Tank Report*. The Report, begun in 2006, ranks more than 6,500 institutions worldwide that help bridge the gap between knowledge and public policy. In the category of Top 100 Think Tanks Worldwide (non-US), Chatham House (United Kingdom) ranks No. 1. Brookings, in the United States, is No. 1 overall.

The report is based on an international survey of more than 1,950 scholars, public and private donors, policy makers and journalists utilizing a set of 23 criteria in 38 category rankings. More than 180 countries were invited to participate in the process.

"The purpose of the rankings is to help improve the profile and performance of think tanks while highlighting the important work they do for governments and civil societies around the world," said Dr. James McGann, assistant director of Penn's International Relations Program and director of Penn's Think Tanks and Civil Society Program (TTCSP). TTCSP examines the role policy institutes play in governments and in civil societies around the world. Often referred to as the "think tanks' think tank," TTCSP examines the evolving role and character of public policy research organizations.

The 2012 Report is available at http://repository.upenn.edu/think_tanks/7/

"As we move forward, TTCSP will continue to engage think tanks, policy makers and other stakeholders in a peer-to-peer dialogue and knowledge exchange on major policy issues while discussing issues of capacity-building and the organizational and environmental challenges facing think tanks," Dr. McGann said. "Our broader objective is to build partnerships across regions and sectors in order to encourage international cooperation. It is our hope that together we can develop a number of global public goods that will lead to collective action on some of the key transnational issues we face today."

Deaths

Mr. Banks, Facilities



Nate Banks

Mr. Nathaniel "Nate" Banks, Jr., a housekeeping staff member in Facilities and Real Estate Services, died suddenly on January 9 at age 56.

Mr. Banks had been at Penn for nearly three decades, most recently working in College Hall.

Born in Philadelphia, Mr. Banks graduated from Thomas Edison High School in 1974.

Mr. Banks is survived by his wife, Cheryl; daughter, Cori Morris; son, Troy Banks; sister, Dorothy Banks; brother, Anthony Coleman; grandchildren, Emonana, Tatum, Keith, Armon and Taylor; aunt, Lucille Banks; and uncle, William Banks.

Mr. Hartford, Penn Senior



Tom Hartford

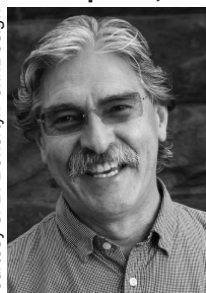
Thomas "Tom" J. Hartford, a senior in the College, passed away January 23 after suffering a massive stroke following an accidental fall from a fraternity house; he was 22.

A resident of Stroudsburg, Pennsylvania, Mr. Hartford was a former member of Sigma Phi Epsilon. He had worked as an information technology advisor in the Riepe College House computer lab and was pursuing a degree in cognitive neuroscience.

Mr. Hartford is survived by his mother, Sherly A. (Felker) Hartford and her partner, Marty Mims; father, Thomas W. Hartford and his partner, JoLana Krawitz; two sisters, Dana Landis and Lori Hartford; his brother, Gary Hartford; his niece, Leah McLaughlin and several aunts, uncles and cousins.

Memorial donations may be made to the youth group of Reeders United Methodist Church, PO Box 187, Reeders, PA 18352.

Mr. Hopkins, Landscape Architecture



John Hopkins

Mr. John Hopkins, visiting fellow and lecturer in the department of landscape architecture in PennDesign, passed away January 21 from natural causes; he was 59.

In a memo to the PennDesign community, PennDesign Dean Marilyn Jordan Taylor said that Mr. Hopkins had "been for the last 18

months a wonderful and welcome addition to the PennDesign community, actively participating in parties and school events. We were eagerly anticipating celebrating his new book, *The Making of the Queen Elizabeth Olympic Park*, just published January 9, which will be part of his legacy of friendship and scholarship here at Penn and in the world of landscape architecture."

Mr. Hopkins's projects included strategic environmental planning, master planning, urban

design, park planning and implementation in Great Britain, Malaysia, Australia, Hong Kong and the United States. Notably, Mr. Hopkins came to Penn through Professor James Corner's work with Queen Elizabeth Olympic Park, where he was Project Sponsor for Parklands and Public Realm at the Olympic Delivery Authority and the budget holder responsible for the delivery of the £250 million project.

He was a strong advocate for landscape architecture's potential to reorient the world economy based on environmental capacity and global equity through planning and design. He was in the process of researching and writing his next book *The Global Garden—Ecological Economics and Infrastructure*.

A native of the United Kingdom, Mr. Hopkins earned his undergraduate degree from Thames Polytechnic in 1976 and his master's degree from Louisiana State University in 1986, both in landscape architecture.

Mr. Hopkins is survived by his children, Rosie and Jack Hopkins; sister, Patricia Hopkins; brother, Kevin Hopkins; and fiancé, Laura Adams.

Dr. Ketunuti, Pediatrics



Melissa Ketunuti

Dr. Melissa Ketunuti, a second-year infectious diseases fellow and researcher in the Children's Hospital of Philadelphia (CHOP), died January 21 at age 35. According to authorities, she was found strangled, bound and set on fire in her Center City home.

Dr. Ketunuti earned her BA in neuroscience from Amherst College in 1995. After earning her MD from Stanford University in 2007, she began her residency at Georgetown University Hospital in general surgery. During that time, she also worked on the cardiothoracic surgery service at the Washington, DC VA Medical Center.

She then moved to Philadelphia in 2008 to begin a residency at CHOP through the Perelman School of Medicine's department of pediatrics at the University of Pennsylvania, which she completed in 2011.

Dr. Ketunuti had also been an investigator-in-training in Penn's Center for Pharmacoeconomics Research and Training.

Her international medical experience included fellowships, clerkships and volunteering in such places as South Africa, Thailand and Botswana.

She is survived by her parents.

Dr. Mandelbaum, City and Regional Planning

Dr. Seymour J. Mandelbaum, professor emeritus of city and regional planning at PennDesign, passed away January 23 of Parkinson's disease at age 77.

A distinguished urban historian, Dr. Mandelbaum taught briefly at Carnegie Institute of Technology and Penn's Annenberg School for Communication in 1965 before joining PennDesign in 1967. He served as chair of the city planning



Seymour Mandelbaum

doctoral program from 1977 to 1989, and as department chair from 1987 through 1989. His courses ranged across the fields of planning theory, communication policy and planning, international comparative planning, community design and urban history. He became emeritus in 2004.

As Dr. John Landis, chairman of PennDesign's city and regional planning programs, described in his email to planning faculty, Dr. Seymour "was one of the giants of the planning field, who made major contributions to planning theory, ethics and doctoral education. He inspired generations of students to view planning as a moral enterprise as much as a technical problem-solving effort. He was primarily interested in the formation and development of human communities, the moral orders which shape these communities, and the flows of individuals and information through them." His most recent research centered on two complementary themes: planning intelligence and the democratization of access to knowledge.

Dr. Eugenie Birch, Lawrence C. Nussdorf Professor of Urban Research and Education in the department of city and regional planning and co-director of the Penn Institute for Urban Research, reflected that "for the nearly four decades that Seymour Mandelbaum was at PennDesign, he was a leading light to his students, his colleagues at Penn and in the larger world of the profession. With his thoughtful, probing questions—not pronouncements, but questions—he made us pause. We paused because he made us think about the deeper values of our field, because he insisted that we too were expressing ourselves clearly and intentionally and because he cared deeply about the past, present and future of city and regional planning."

Dr. Mandelbaum also served for many years on the Faculty Senate's Committee on Open Expression and the Senate Committee on Academic Freedom and Responsibility. He understood that great institutions need great stewards able to connect day-to-day business to higher aspirations.

An active writer, Dr. Mandelbaum was a past editor of *Explorations in Planning Theory*, and he served on the editorial boards of the *Journal of Planning Education*, the *Journal of Architectural and Planning Research*, *The Responsive Community*, *The Journal of Planning Literature* and *Town Planning Review*. His most recent book, *Open Moral Communities*, deals with a communitarian sensibility and the ways in which policy and planning arguments are set within myths of community.

Born in Chicago and raised in New York, Dr. Mandelbaum earned his bachelor's degree from Columbia University and his PhD in history from Princeton University.

Dr. Mandelbaum is survived by his wife, Dorothy; sons, David and Judah; daughter, Betsy; a sister; and six grandchildren.

Contributions may be made to the Parkinson's Disease and Movement Disorders Center, University of Pennsylvania, 330 S. Ninth St., Philadelphia, PA 19107, or to the National Parkinson Foundation, 1501 N.W. Ninth Ave., Miami, FL 33136.

Executive Director of CPHI: Jennifer Pinto-Martin

Provost Vincent Price and Senior Vice Provost for Research Steven Fluharty are pleased to announce the appointment of Jennifer Pinto-Martin as executive director of the Center for Public Health Initiatives (CPHI), effective January 1, 2013.

Dr. Pinto-Martin, who has served as interim executive director of the CPHI since October 2012, is the Viola MacInnes/Independence Professor of Nursing and chair of the department of biobehavioral health sciences in the School of Nursing, with a secondary appointment in the department of biostatistics and epidemiology in the Perelman School of Medicine. She is also a senior scholar in the Center for Clinical Epidemiology and Biostatistics, a senior fellow of the Leonard Davis Institute for Health Economics, and director of the Center for Autism and Developmental Disabilities Research and Epidemiology (CADDRE), one of six such Centers funded by the National Centers for Disease Control and Prevention to understand the causes of autism and the reasons for its recent increase in prevalence nationwide. She has received the Lindback Award for Distinguished Teaching (*Almanac* April 12, 2011), Penn's highest University-wide teaching award, and the Claire M. Fagin Distinguished Research Award from the School of Nursing (*Almanac* March 31, 2009).

"Jennifer Pinto-Martin is a renowned scholar of public health, as well as a distinguished teacher, researcher, mentor, and colleague here at Penn," said Provost Price. "She is particularly valued for her work in integrating knowledge across the disciplines to address the most important public health challenges around the world. I am grateful to the consultative committee, chaired by Senior Vice Provost Fluharty, that enthusiastically recommended her for this position."

The CPHI is a University-wide center that



Jennifer Pinto-Martin

as the director of the MPH Program since 2007, during which time it has grown from 20 to 100 MPH degree and certificate students. In this role, she has worked to develop the program's

promotes interdisciplinary research, education and practice in public health. It also acts as the organizational home and academic base for Penn's multi-disciplinary, inter-School Master in Public Health (MPH) degree program. Dr. Pinto-Martin, who has been integrally involved with the CPHI since its founding, has served

interdisciplinary signature, drawing faculty and students from across Penn's campus and developing dual degrees with the Schools of Dental Medicine, Design, Law, Nursing, Medicine, and Social Policy & Practice. As executive director, she succeeds Dr. Marjorie Bowman, founding director of the CPHI, who became dean of the Boonshoft School of Medicine at Wright State University on October 1, 2012.

"Jennifer Pinto-Martin is without question the right choice to lead the CPHI," said Dr. Fluharty. "The committee was unanimous in its admiration for her outstanding leadership, research, and scholarship. I am confident that she will build on the Center's great achievements to lead it to even more global prominence in the years ahead."

Dr. Pinto-Martin earned a PhD in epidemiology (1984) and an MPH (1982) from the University of California, Berkeley and a BA in biology (1978) from Stanford University.

Executive Director of Penn Vet's Matthew J. Ryan Veterinary Hospital: Mark "Bo" Connell

Mark "Bo" Connell assumed the position of executive director for Penn Vet's Matthew J. Ryan Veterinary Hospital for companion animals at Penn Vet's Philadelphia campus on November 14, 2012.

Mr. Connell came to Penn Vet with years of experience in leadership, finance, planning and healthcare administration. In the past, he served as the director of Strategic Initiatives for the Savannah College of Art and Design (SCAD) where he led the planning, development and start-up of SCAD Hong Kong, the first US degree-granting institution to open in Hong Kong, and assisted with a \$380 million operating and capital budget.

Prior to working at SCAD, Mr. Connell served as director and administrative manager



Mark "Bo" Connell

for Memorial Health University Medical Center in Savannah, GA, where he developed business and financial plans, managed an ambulatory surgery expansion, increased outpatient surgical volumes by 35 percent, and established a ten-year strategic vision with measurable annual operating plans to meet objectives. Earlier in his career Mr. Connell served as the director of marketing for the New Hanover Health Network in North Carolina.

Mr. Connell has directed due diligence teams to evaluate acquisition opportunities valued at more than \$152 million; facilitated hospital-physician joint venture partnership, resulting in revenue growth of \$9 million; and created and managed an inpatient medicine program to reduce hospital operating costs by \$1.5 million.

In addition to strategic planning experience, Mr. Connell brings extensive knowledge of academic teaching hospitals. His peers and colleagues uniformly describe him as an outstanding leader of great integrity.

Mr. Connell earned his MBA from the University of Florida and a master of health services administration degree from the University of Central Florida.

Portable 3-Year Academic Calendar

Did you know that Penn's new 3-year academic calendar is available on *Almanac's* website, Penn's mobile website and as a printable PDF?

You can also get the calendar to sync with MS Outlook, Apple iCal, Google calendar and your mobile devices by visiting www.upenn.edu/almanac/acadcal.html and following the instructions from the link at the top of the page.

Award for Excellence in Undergraduate Advising: February 28

The Trustees' Council of Penn Women (TCPW) is an international network of Penn alumnae. These leaders, by power of their example, support, foster, and promote the advancement of women and women's issues within the University, thus enriching the University community as a whole.

To mark the organization's quarter-century milestone, the TCPW 25th Anniversary Award for Excellence in Undergraduate Advising has been established to recognize undergraduate Faculty advisors—female or male—who have distinguished themselves in providing assistance and advice to their advisee students and who have made a significant impact on the academic experience of these students.

Nominations of standing faculty may be made by an undergraduate or any member of Penn's community for someone other than oneself and must be submitted together with an essay—not to exceed 250 words in length—supporting the nomination. The deadline for these nominations will be February 28, 2013.

Nominations should be sent to provost-ed@upenn.edu. The two winners of this award will receive \$2,500 each and will be celebrated at the spring meeting of TCPW.



Trustees' Council
of Penn Women
UNIVERSITY of PENNSYLVANIA

Grants to Promote Women's Issues: February 15

The Trustees' Council of Penn Women (TCPW) is pleased to announce its 2013-2014

Grants Program and encourages members of the University community to apply.

Grants ranging from \$1,000 to \$5,000 will be available to individuals or organizations which promote:

- women's issues
- the quality of undergraduate and graduate life for women
- the advancement of women
- the physical, emotional and psychological well-being of women

Favorable consideration will be given to projects that:

- affect a broad segment of the University population
- foster a greater awareness of women's issues
- provide seed money for pilot programs that have the potential to become ongoing self-supporting programs

To apply, visit the TCPW website at www.alumni.upenn.edu/groups/tcpw/ and download the application from the TCPW Grant web page. Applications must be submitted no later than February 15, 2013. Awards will be announced in the spring of 2013 and funds will be distributed in July/August 2013 for projects in the 2013-2014 academic year.

Honors & Other Things

Global Engagement Fund Award

The Office of the Vice Provost for Global Initiatives announced ten awards from the Global Engagement Fund. This Fund is designed primarily to support projects that collaborate across Schools and disciplines; involve multiple faculty members and engage regions in which Penn has active academic partnerships and collaborative ventures.

The Fall 2012 Global Engagement Fund Awards' recipients are:

David Galligan (VET), *James D. Ferguson* (VET), *Zhiguo Wu* (VET): Developing Agricultural Technologies and Equipment Marketable in China to Increase Dairy Production Efficiency

Mauro Guillén (Wharton), *Frederick Dickinson* (SAS), *Lee Cassanelli* (SAS): ACI Conference—Interdisciplinary conference exploring Chinese and Indian state- and firm-level interventions in Africa and Latin America

Kathleen Hall (GSE): Global Distinguished Lecture—Sharmeen Obaid-Chinoy

Emily Hannum (SAS): Peking University—Penn Population Center

Devesh Kapur (SAS): Distinguished International Scholar Dr. C. Raja Mohan

Frank Matero (Design), *C. Brian Rose* (SAS), *Julian Siggers* (Penn Museum): The Future of Archaeological Heritage in a Rapidly Changing World: A Global Conversation

Andrea Matwyshyn (Wharton), *Peter Decherney* (SAS): International Accountability and Information Harms

Lisa Mitchell (SAS): Conference on Contested Spaces in India and South Asia

Monroe Price (ASC): New Technologies, Human Rights and Transparency: A Cross Disciplinary and Public Interest Approach

Susan Wachter (Wharton), *Eugenie L. Birch* (Design): Real Estate Markets in Informal Settings: India and Brazil

First Prize at World Embedded Software Competition: Heart-on-a-Chip

Heart-on-a-Chip, an embedded systems platform that was the 2012 Senior Design Project of Electrical and Systems Engineering (ESE) students *Sriram Radhakrishnan*, *Varun Sampath* and *Shilpa Sarode*, received first prize in the High-Tech Medical Service category at the 2012 World Embedded Software Competition held in Seoul, South Korea. The competition is an annual event for exhibiting student work in the field of embedded systems.

The platform, originally called Pacemaker Verification System, was developed in the laboratory of Dr. Rahul Mangharam, Stephen J. Angello Term Assistant Professor in ESE and included collaborations with Zhihao Jiang and Miroslav Pajic, doctoral students in computer and information science and ESE. The project was awarded first prize in the Penn Engineering school-wide Senior Design Competition in May 2012.

Heart-on-a-Chip is an open platform for cardiac pacemaker testing. Pacemakers are implanted medical devices designed to regulate the heartbeat and have hundreds of thousands of lines of embedded software code for handling patient heart conditions known as arrhythmias. Programming errors are a reality of implanted cardiac pacemakers today. In the past decade, over 600,000 of these devices were recalled, one-third of those due to embedded software issues. The FDA currently does not check software code when approving a device for sale.

ALMANAC January 29, 2013

Child Advocacy Award: Ms. Ferman

Ms. Risa Vetri Ferman, district attorney of Montgomery County, PA, is the recipient of the 2012 Alan Lerner Child Advocacy Award. The award was presented in October by the Field Center, an interdisciplinary collaboration between Penn's schools of Social Policy & Practice, Law, Medicine and the Children's Hospital of Philadelphia.

Ms. Ferman was the driving force behind the creation of Missions Kids Child Advocacy Center and is co-founder of Montgomery County Child Advocacy Project.

Penn Amongst 20 Smartest Colleges

Lumos Labs conducted a study using the training cognitive site Lumosity to test America's leading higher education institutions. The University of Pennsylvania ranked 12th and was one of four Ivy League universities included in the list.

The study tested 60,000 students over colleges and universities to play games that measured various cognitive skills including attention, memory, speed of processing, problem solving and flexibility.

Favorite Radio Station: WXPN

WXPN was voted Favorite Radio Station by the readers of *Philadelphia Weekly*. It was stated that "public radio rarely gets this good." WXPN, the nationally recognized leader in Triple A radio and the premier guide for discovering new and significant artists in rock, blues, roots and folk, is the non-commercial, member-supported radio service of the University of Pennsylvania.

Kids Corner 25th Anniversary

Kids Corner, America's longest-running daily call-in radio show for kids, is celebrating its 25th anniversary this month. The show is a production of WXPN-FM, member-supported radio from the University of Pennsylvania. They are celebrating this milestone with the annual Kids Corner Music Festival, featuring performances and a kid journalist press panel. The event is Sunday, February 17, at Union Transfer, 1026 Spring Garden St.; 10:30 a.m.; \$12, \$8/XPN members. For information, see <http://kidscorner.org>

Privacy Pioneer: Dr. Turow

Dr. Joseph Turow, the Robert Lewis Shayon Professor of Communication in the Annenberg School, is a featured subject of a series of stories honoring privacy leaders.

Published by *TRUSTe*, a data privacy solutions provider, Dr. Turow is featured along with subjects who are considered leaders for "their significant achievements in privacy innovation, encompassing technology, regulation, public opinion, academic research and industry solutions." Entitled "The TRUSTe Privacy Pioneers and Mavericks Series," the program will interview and feature individuals whose contributions have made a difference in advancing data privacy management innovation over the past decade and a half. You can see Dr. Turow's interview on the TRUSTe website, www.truste.com/resources/pioneers-and-mavericks/joseph-turow



Joseph Turow

Fellowship by the Social Sciences Research Council: Librarian Brian Vivier

Chinese studies librarian Brian Vivier has been awarded a postdoctoral fellowship by the Social Sciences Research Council (SSRC) for the academic year 2012-2013.



Brian Vivier

Dr. Vivier is one of ten scholars nationwide to be awarded this highly competitive fellowship, which is part of the SSRC's program on transregional research entitled, "Inter-Asian Contexts and Connections." The program supports junior scholars whose projects strive to re-conceptualize parts of Asia across traditionally accepted regional and country boundaries. The SSRC grant will fund Dr. Vivier's research, including his fieldwork in mainland China and Taiwan.

Dr. Vivier, a historian of medieval China, joined Penn Libraries in August 2011 (*Almanac* September 27, 2011) and is responsible for Penn's Chinese Collection and research support in the field of Chinese studies. Dr. Vivier's research demonstrates the role of foreign trade and broader regional contacts in the unprecedented economic growth that occurred in China between the 10th and 13th centuries, and with the SSRC's support, Dr. Vivier will refine and broaden his doctoral dissertation on the subject in preparation for publication.

"Vivier's receipt of the SSRC fellowship is an important recognition of the Libraries' commitment to cultivating expert subject and area studies librarians to support teaching, research, and learning at Penn," observed Carton Rogers, vice provost and director of penn libraries. "His interdisciplinary and border-crossing research and writing contribute to more robust connections and partnerships with scholars here and overseas, thereby advancing Penn's commitment to academic excellence, interdisciplinary knowledge, and global engagement."

"In addition to furthering the close connections between the libraries and scholars across campus," Mr. Rogers noted, "the professional development and fieldwork made possible by this research opportunity will enhance support for Chinese studies on campus and facilitate the development of high-quality collections in this area."

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www.upenn.edu/almanac 5

2013 Summer Camps and Programs at Penn

Penn offers children and teens an array of summer activities from academics, enrichment and recreation—including anthropology, nursing, law, veterinary medicine and music—to more than a dozen athletic sports camps—from baseball to volleyball. For more information and applications see the specific contact information below. Additional camps and programs may be available on the Penn Athletics website, www.pennathletics.com under Sports, and the Summer at Penn website, <http://summeratpenn.upenn.edu>

ACADEMICS

Leadership in the Business World (LBW):

July 7-August 3. LBW is a program for talented and ambitious rising seniors in high school who want to learn about leadership in business. LBW features classes with Wharton professors, lectures from prominent business leaders, site visits to businesses in Philadelphia and New York City, and team-based activities designed to enhance leadership skills. Cost: \$5,995; need-based financial aid is available. Deadline: *March 1.* Apply: www.wharton.upenn.edu/academics/lbw.cfm

Management & Technology Summer Institute (M&TSI):

July 14-August 3. M&TSI is a three-week for-credit program for rising high school seniors and a select few rising high school juniors who want to learn how to bring together technological concepts and management principles. M&TSI features classes taught by leading Wharton and Engineering faculty and successful entrepreneurs, as well as laboratory experience, field trips to companies and research and development facilities, intensive team projects and activities designed to help students learn the principles and practice of technological innovation. Cost: \$6,000, includes tuition, housing, meals and weekend excursions. Deadline: *March 1.* Apply: www.upenn.edu/fisher/summer/index.html

Wharton Sports Business Academy: *July 7-August 3.* This residential institute provides an opportunity for talented rising high school juniors and seniors to study the global sports business at the Wharton School. Teaches students about management, marketing, media, negotiations and various professions in the industry as they meet and learn from leaders in the sports business world. Cost: \$5,995, financial aid is available. Deadline: *March 8.* Apply: <http://wsb.wharton.upenn.edu/businesseducation-wsba.html>

NFL-Wharton Prep Leadership Program:

June 24-27. This program is a selective leadership and achievement recognition program for elite male and female rising senior student-athletes who have demonstrated leadership both in and outside of sports participation. Rigorous coursework, breakout groups and panels will be used to develop participants' skills in areas such as motivating others, public speaking, and conflict resolution as well as to provide an introduction to finance, management and leadership basics. Tuition, room and board costs will be covered by the Wharton School; participants will be responsible for travel to and from the program. Deadline: *March 15.* For more information and to apply, visit: www.jkcp.com/program/nfl-wharton-sports-leadership/

Julian Krinsky Summer Internship Program:

June 23-July 13 and July 14-August 3. Depending on your chosen field, you will work in an office, lab, studio, museum, behind the microphone or on the stage. Learn about the field, get work experience and live away from home on Penn's campus. Transportation is provided to and from work. For students entering grades 11, 12, or freshmen year in college. Cost: \$4,595/session. Admission is on a rolling basis. Apply: www.jkcp.com/program/summer-internships/

International Affairs with Model UN:

June 30-July 27. The residential program for students ages 15-18 features debate, public speaking and research workshops, realistic UN simulations and guest speakers. Enjoy field trips to the United Nations in New York City and Embassy Row in Washington, DC. Plus, experience culture through cuisine in Philadelphia. The program is designed to accommodate both new and experienced students. Cost: \$6,070. Admission is on a rolling basis. Apply: www.jkcp.com/modelun

Art and Architecture Summer Programs:

PennDesign offers two four-week summer programs for high school students, ages 14-18, one in architecture and one in art. These programs prepare students for college admissions as they experience college life and create their portfolio. Dates: *June 30-July 27* (residential), *July 1-26* (commuter). Cost: \$3,350/commuters and \$5,775/residents. Apply for the art program at <http://jkcp.com/artsatpenn>; apply for the architecture program at <http://jkcp.com/architecture>

Penn Summer Academies: Open to rising sophomore, junior and senior residential and commuting students. *June 30-July 27.* Cost: \$7,899 (residential), \$6,799 (commuter). Deadline: *June 1.* For additional details and to apply, see www.sas.upenn.edu/summer/programs/highschool

Art in the City Academy: Acquaints students with the diverse world of visual culture, both historic and contemporary. This program introduces students to concepts of art production and analysis, street art, museum art, religious architecture and art history. Daily site visits and interactive workshops provide students with the tools and techniques to fully document and analyze artistic culture.

Biomedical Research Academy: Introduces students to the experimental basis of biology, including relevance to disease. Morning lectures cover the cellular, molecular and genetic aspects of biology, while afternoons will be spent in the laboratory with hands-on experiments that introduce students to the tools and techniques used in biomedical research labs.

Chemistry Research Academy: Provides students with hands-on experiences in cutting-edge research projects in the chemical sciences, including synthesis and characterization of new compounds and materials, chemistry of life processes, spectroscopy and environmental photochemistry, nanoscale materials and molecular devices.

Experimental Physics Research Academy: Focuses on modern physics with an emphasis on hands-on experience and laboratory work. Program topics include mechanics, electromagnetism, quantum dynamics and astrophysics.

Social Justice Research Academy: Students examine the historical importance and contemporary relevance of struggles to overcome inequality and injustice using past and present examples, such as peasant revolts, slave rebellions, anti-colonial and anti-apartheid independence movements, the Arab Spring, the Occupy movement and ongoing human rights campaigns across the globe.

Penn Summer Pre-College Program:

This six-week residential program is designed for students who are interested in a college experience typical of an undergraduate freshman. Participants enroll in one or two undergraduate courses for academic credit and are fully integrated with undergraduate students. Academic advising, extra-curricular activities and weekend trips are included. Open to rising juniors and seniors. *June 30-August 10.* Deadline: *June 1.* For costs and to apply, see www.sas.upenn.edu/summer/programs/highschool/precollege

Penn Summer Young Scholars Program:

This six-week residential program is an opportunity for academically exceptional local high school students to take college courses with Penn students and earn full college credit. Young Scholars can pursue their favorite discipline beyond the level offered in secondary schools, get a head start on their college requirements, or explore a brand new field that interests them. Open to rising 11th and 12th grade students. *June 30-August 10.* Deadline: *June 1.* For costs and to apply, see www.sas.upenn.edu/summer/programs/highschool/youngscholars

Penn Nursing Summer Institute:

The School of Nursing offers a four-week program, *June 23-July 20*, for rising high school juniors and seniors, ages 16-18, that features cutting-edge research, the latest advances in virtual learning and clinical experience in Philadelphia's top hospitals. Working with Penn faculty and classmates from around the world, students will enjoy an innovative classroom curriculum that covers health care topics such as current epidemics, genetics, bioethics and emergency nursing. Deadline: *March 1.* Cost: \$6,175. Apply: www.jkcp.com/pennnursing

Summer Student Ambassador Program:

June 20-August 30. The Volunteer Services Office at Pennsylvania Hospital offers the Student Ambassador Program for ages 14-17. Participants receive a behind-the-scenes look at health care careers. To apply, call (215) 829-5187. Deadline: *May 10.*

PennGEMS Camp (Girls in Engineering, Math and Science):

The School of Engineering & Applied Science's PennGEMS program is a week-long day camp targeted at girls finishing 6th, 7th and 8th grade who are interested in math, science and engineering. Students will spend *July 29-August 2* working with faculty and students in bioengineering, materials science, graphics and computing. Applications will open February 4. Cost: \$625, financial assistance is available. Contact: Michele Grab, mgrab@seas.upenn.edu Register at www.seas.upenn.edu/awe/gems Deadline: *April 1.*

The Teen Research and Education in Environmental Science (TREES) Summer Program:

Hosted by the Center for Excellence in Environmental Toxicology, TREES offers students from local high schools (rising sophomores, juniors and seniors) a unique, hands-on research experience; lectures in environmental

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science, field trips and more. Students develop their own research projects. The tuition-free program lasts for five weeks, *June 24-August 9*. The deadline to apply is *March 1*. Apply: www.med.upenn.edu/ceet/summerprograms.shtml

Summer Academy in Applied Science and Technology (SAAST): Sponsored by the Penn Engineering, SAAST offers an opportunity for rising 10th-12th graders to experience rigorous and challenging college-level coursework. The residential program from *July 8-26* combines sophisticated theory with hands-on practical experience in cutting-edge technologies. Five programs are offered in the Academy: biotechnology, computer graphics, computer science, nanotechnology and robotics. Cost: \$6,727. The priority deadline is *March 15* and the final deadline is *May 15*. Contact: Paige Harker, (215) 898-0053. Registration will be available at www.seas.upenn.edu/saast

Penn Summer Science Initiative for High School Students: A free, four-week summer program, *July 8-August 2*, for local juniors but occasionally well-qualified sophomores, in materials science and engineering. The program consists of lectures on materials, a computer lab, experimental labs and field trips to both industrial and Penn facilities. Apply by *April 13*: www.lrsm.upenn.edu/outreach/psii.html

Summer Mentorship Program: *July 8-August 2*. Participants will gain knowledge in multiple fields of study, while also gaining exposure to the benefits of post-secondary education in a University atmosphere. This free program is for 10th and 11th grade students who are currently en-

rolled in Philadelphia public and charter schools. Course programming is offered in the schools of Dental Medicine, Engineering & Applied Sciences, Law, Medicine and Nursing. Apply: www.vpul.upenn.edu/aap/smp/index.php by *April 5*. Applications will be available February 4.

Penn Law Pre-College Summer Program: *June 30-July 27*. Whether you would like to better understand how our legal system works, what lawyers do, or think you might want to be a lawyer someday yourself, this residential academy is designed to give motivated rising high school juniors and seniors as well as college freshman and sophomores, clear insight into US law and the legal profession. Cost: \$6,895. Contact/registration: Grace Wadell, gwadell@law.upenn.edu or Adrian Castelli, adrian@jkcp.com Deadlines: rolling admissions. Deadline: *March 15*. Info.: www.jkcp.com/program/penn-law-summer-academy/

VETS (Veterinary Exploration Through Science): VETS is a program offered by Penn's School of Veterinary Medicine for college/post bac and current high school juniors and seniors. The program will engage students who will take part in labs and lectures as well as rotations through clinics with the fourth year veterinary students at the Matthew J. Ryan Small Animal Hospital. This day program runs from 9 a.m. to 4 p.m., Monday-Friday each program week (five weeks total). VETS is offered for college/post bac: *May 20-24, June 3-7, June 17-21*; high school juniors/seniors: *July 15-19, July 29-August 2*. Cost: \$975. Deadline: *April 3*. For information, visit: www.vet.upenn.edu/EducationandTraining/StudentAdmissions/SummerVETSPProgram/tabid/1506/Default.aspx

ENRICHMENT AND RECREATION

Anthropologists in the Making: *July 1-August 23*. Penn Museum invites campers ages 7-13 to join in a fascinating exploration of ancient and contemporary cultures. Each week highlights a different theme, offering campers the opportunity to enjoy one week or all eight. This year's themes are:

July 1-5 (NO CAMP JULY 4) fees are prorated for the week: Growing Up Through the Ages: Discover domestic roles and home structures through time and across continents.

July 8-12: Can You Dig It?: Uncover artifacts in a mock dig.

July 15-19: Artsy Asia: Jump to the mighty continent of Asia and delve into its many art forms.

July 22-26: Mummies Unwrapped: Get up close and personal with Penn Museum's mummies.

July 29-August 2: Trickster Tales: Work with new friends to don a costume and perform some trickster tales for friends and family to attend.

August 5-9: Greek Geeks: Reflect on the daily lives of men and women, from Athens to the gods of Mount Olympus.

August 12-16: It's a Monk's Life: Explore spiritual practices across many cultures.

August 19-23: Visions and Dreams: Examine the significance of dreams as you learn about the roles of shamans and mystics and the purpose of vision quests.

Register by *May 1*: \$275. Register after *May 1*: \$295. Penn Museum members at the household level and above receive \$20 off each week. Pre-camp (8-9 a.m.) and after-camp (3-5 p.m.) care is also available for additional fees. Call (215) 898-4016, email summercamp@pennmuseum.org or visit <http://penn.museum/camp>

Philly Culinary: *June 30-July 27*. This residential, hands-on program for high school students emphasizes the total culinary experience, including hands-on training and preparation, low-impact farming, restaurant management and cooking in a fully-equipped professional kitchen at Penn. Cost: \$7,899. Apply: www.summerdiscovery.com/philly-culinary

Penn Band High School Summer Music Camp: *July 28-August 3*. This camp, for those in grades 9-12, includes fun activities, lectures, leadership and group building exercises and a diverse repertoire of band music. Audition not required, but evaluation form (completed by music director or private instructor) must be submitted. Fee: \$825 (overnight) or \$395 (commuter). Children of Penn faculty/staff are eligible for a 10% discount. Sponsored by the Penn Band, Penn Athletics and Destination Penn. Deadline: *July 22*. Register: www.pennband.net/pebc/ or call (215) 898-8719.

Morris Arboretum's Summer Adventure Camp: Experience four one-week sessions: *June 24-28, July 8-12, July 15-19, July 22-26*. Registration begins February 18. Visit www.morrisarboretum.org for a registration form or call (215) 247-5777 x157. Camp is appropriate for children ages six to eight as of June 1, 2013. Arboretum members: \$265; non-members: \$285.



Digging in: Children in the Anthropologists in the Making camp searching for buried treasures.

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ATHLETICS

Penn Baseball Camps

Penn employees, call (215) 746-2325 for a discount. Register: www.pennbaseballcamp.com

Summer Classic Baseball Camp: June 11-12; teaching-oriented camp for rising sophomores, juniors and seniors. Each player will receive feedback from their coach at the conclusion of the camp. Cost: \$395.

Youth Quaker Baseball Camp: July 22-25, 9 a.m.-3 p.m. An organized and structured camp that focuses on preparing the young player (ages 7-13) for refining their game. Competitive and challenging drills will be performed every day. Cost: \$275. Register before May 15 for a \$10 discount. Deadline: July 15.

Basketball Camps

The costs for the basketball camps haven't been determined yet but will be posted on www.pennathletics.com in a few weeks.

Men's Basketball Team Camp: June 8. For boys high school teams only. Come as a team and play as a team. Play other high school teams as well, round robin tournament.

Men's Elite Basketball Camp: June 14-16. For high school aged boys who seek a strong academic and athletic camp environment. Training sessions will also be held to inform campers of the college process.

Women's Elite Basketball Camp: June 20-21. For high school girls with aspirations of playing at a Division I, II or III level who also seek a strong academic environment. Stations are taught and games are played, and there are recruiting, academic advising and strength training sessions as well.

Quaker Basketball Day Camp: June 24-28. For boys and girls ages 6-16, providing each camper with a great opportunity for growth and success. The staff is comprised of collegiate and high school coaches as well as members of the Penn men's and women's team, who will work closely with the campers on the fundamentals and team concepts of the game.

Junior Fencing Camp: July 14-20 and July 21-27; \$1,050/week and \$1,890/both if received by June 18; \$1,200/week if received between June 19 and July 6. Experienced campers, ages 14-18, will acquire a better understanding of practice techniques, fundamental actions, bout structure, strategy, tactics and conditioning. The material of the camp program should enable the camper to be more effective in training and competing during the following season. Individual lessons are geared toward each fencer's particular needs. Register: www.fencingcampatpenn.com

Penn Elite Field Hockey Camp: June 27-29, 10 a.m.-5 p.m. Camp will challenge players to elevate their game to the next level with high intensity skills sessions and games reflective of collegiate play. Open to all high school age players. Cost: \$500/overnight, \$400/commuter. For more information, see www.pennathletics.com or email katelyno@upenn.edu or cfink@upenn.edu

Al Bagnoli All Star Football Camps:

One Day Clinics: June 9, July 12 & July 20, 8:30 a.m.-5 p.m. Designed to benefit advanced football players who possess the skills necessary to compete at the collegiate level. The Penn coaching staff will provide personalized coaching and conduct drills. Clinics open to players entering grades 11-12, kickers, punters included; \$135/session. Register: www.pennfootballcamp.com

Penn Lacrosse Elite Camp: Day camps: June 24, June 26, July 1, July 2; for girls entering grades 9-12. Athletes will be grouped based on ability and challenged accordingly. The staff is comprised of college coaches who will run each session like a college practice. Cost: \$250/day. Contact Kerri Whitaker, kerriwh@upenn.edu

Quaker Rowing Camp: July 15-20, July 22-27, July 29-August 3; \$1,175/overnight, \$675/commuter; for both the experienced and novice high school rower (ages 13-18) looking to significantly improve their rowing ability. Instruction and coaching will be geared to the experience level and talents of each camper. Includes two daily practices on the water as well as active seminars on erg training and body circuits. Registration begins February 1: www.quakerrowing-camp.com

Penn Soccer Day Academy: Session 1: June 10-14; Session 2: June 17-21; Session 3: July 1-5; Mini Camp: July 1-3 (\$225); Session 4: July 22-26; 9 a.m.-4 p.m.; Cost: \$300. For boys and girls in 1st-8th grade. It offers players of various skill levels the opportunity to improve their soccer skills. Development of individual skills taught through fun exercises, daily competitions and small games. Campers also get time to swim. Register: www.pennsocceracademy.com

Penn Softball Camp: June 17-18. For the serious player looking to refine offensive and defensive techniques; girls ages 14-18. Cost: \$180 for both days. Register: www.pennsoftballcamps.com

Quaker Swim Camp: Session 1: June 17-21, Session 2: June 24-28, Session 3: July 8-12. A beginner-to-intermediate swim camp that is focused on quality drill work and learning proper swimming technique for swimmers ages 5-16. Cost: \$400/competitive, \$450/learn to swim, \$375/two or more family members. Contact: Mike Schnur: mschnur@upenn.edu

Penn Tennis Camp: A day camp for players of all experience levels, ages 5-17. Camp will run for three one-week sessions, August 12-16, August 19-23 and August 26-30. Each of the one-week sessions will focus on stroke production and technical skills, while incorporating sportsmanship and teamwork. The camp runs Mondays through Fridays, 9 a.m.-3 p.m. Cost: \$360/one-week session or discounted rate of \$315/per week for all three sessions. After-camp care is available from 3:30-6 p.m. for a fee of \$15 per day. Register: www.penntenniscamp.com or call (215) 315-3130.

Penn Volleyball Camp: August 8-11. Players (girls ages 14-18, if under 14, please contact us about a possible camp for younger age groups, August 5-8) of all levels and positions are encouraged to attend this camp. Players will be grouped by skill level for an individual development experience where one can maximize her potential and improve to the next level of play. Cost: TBD. Email Camp Director Seth Rochlin at pennvolleyballcamp@gmail.com or call the camp line at (215) 898-4843 with further questions about the camp. We will be sending out registration information in the coming weeks to those that email their interest.



Dribbling: The children in the Penn Soccer Day Academy have their eyes on the ball.

TerraSwarm Research Center

(continued from page 1)

"Connecting sensors and actuators to the cloud is like giving our cyber world eyes, ears, hands and feet," said Dr. Edward A. Lee, the center's director. "We can use these capabilities to provide large-scale services like better traffic control, energy efficiency and emergency response, not to mention improvements in quality of life. But these services must come with assurances of safety, security and privacy, a far-from-trivial challenge."

"The open swarm platform concept, proposed by the TerraSwarm Research Center," said Dr. Jan Rabaey, the center's associate director, "opens the door for a wave of unparalleled creativity and innovation, leading most likely to applications and functions we cannot even predict today."

The range of possible applications is stunning, but so are the challenges. Of significant concern are data privacy and security. If the cloud is able to affect the physical world, it is essential that it withstand malicious tampering and sensor failures. It is also critical that the data collected is not used in malicious ways.

"Emerging systems," Dr. Pappas said, "such as the Smart Grid or intelligent transportation systems often require end-user applications to continuously send information to the cloud, which performs monitoring or control tasks. For example, including smart meters in your house may improve energy efficiency but also enable the energy company to infer what you are doing while you are home."

"A major challenge that the Penn team will be working on is balancing the utility/privacy tradeoff where users send enough information to benefit from such services but not so much information that private activities can be uniquely identified."

A further challenge is that TerraSwarm applications must be able to dynamically identify and recruit local resources—such as sensors, mobile display screens, communication channels or even unmanned vehicles—to respond to service requests. This capability will require significant advancements in operating systems and resource-allocation algorithms.

"Establishing and maintaining communications capabilities, between humans and the cloud as well as among members of the mobile network is critical," Dr. Kumar said. "We will be working on algorithms and architectures for mobile swarms that allow different kinds of units to function as a cohesive group. We will be using quadrotors designed by KMeL Robotics, a GRASP Laboratory spinoff, to create mobile swarms and experiment with the algorithms and architectures."

To address the multi-disciplinary challenges associated with TerraSwarm applications, the team includes 20 engineering faculty members at nine research universities. In addition to Penn and Berkeley, partner institutions include the University of California, San Diego; the University of Illinois; the University of Washington; the University of Texas at Dallas; Carnegie Mellon University; the California Institute of Technology; and the University of Michigan.

Experts in data security, sensors, actuators, operating systems, development tools, robotics, energy efficiency and communications will use the TerraSwarm Research Center as a home base for sharing ideas, developing applications and developing an open extensible platform that can unleash the creativity of millions of potential "swarm app" developers.

Penn Libraries and The National Museum of American Jewish History: Joining Forces in Philadelphia

The National Museum of American Jewish History (NMAJH) and the University of Pennsylvania Libraries have initiated a unique partnership to enhance public access to the Arnold and Deanne Kaplan Collection of Early American Judaica (*Almanac* December 11, 2012). This extraordinary resource, donated to Penn through the Kaplans' generosity and interest in Judaic scholarship, contains over 11,000 artifacts, dating from the 16th century through the period of Jewish mass migration at the end of the 19th century. Museum-quality colonial and early Federal era oil paintings, presentation silver, and Jewish ritual objects will be made available for exhibit by the Museum through its partnership with Penn. The Collection's panorama of documents, books, maps, broadsides and other treasures create a context for material and intellectual culture that the NMAJH and Penn will celebrate for years to come.

Through this special alliance, first envisioned by Arnold Kaplan, the Penn Libraries will make the art and artifacts from the Collection available to the NMAJH on long-term loan. This extended loan arrangement will encourage creative curatorship, dynamic exhibition opportunities, and long-term strategic planning for both institutions. At the same time, the security and accessibility of the Kaplan Collection will be maintained for the benefit of current and future generations.

The Library at the Herbert D. Katz Center for Advanced Judaic Studies of the University of Pennsylvania, less than four blocks from the Museum, is home to the Kaplan Collection and one of the most extensive assemblages of primary sources in the field of early American Jewish History. The geographical proximity of the two institutions will facilitate research and teaching opportunities for those wishing to explore the Kaplan Collection in greater depth. "This latest effort with the Museum—our most ambitious collaboration to date," remarked Carton Rogers, vice provost and director of libraries at Penn, "underscores the centrality of the City and its cultural institutions to scholarship at Penn. In its complementarity it's the kind of relationship that's greater than the sum of its parts."

A strong tradition of cooperation exists between the NMAJH and Penn. The director of Penn's Jewish Studies Program, and current chair of Penn's history department, Professor Beth Wenger, initiated a Museum internship for Penn students over a decade ago. More recently, the two institutions teamed up for a public lecture series and symposia and organized a series of special events at the Museum for the general public. The latest partnership, thanks to the Kaplans, will deepen those ties and advance the missions of both institutions.

The extraordinary depth and range of the Kaplan Collection speaks to the history of multiple communities, subjects and personalities. Those interested in understanding how religious liberty took root in the United States, how regional differences shaped local cultures within a national framework, how commercial and social relationships transcended national and even hemispheric boundaries, will find much to discover and learn from this Collection and the programs envisioned by the partners.

"This is a perfect collaboration between a research university and an exhibiting institution," stated Dr. Josh Perelman, chief curator and director of exhibitions and collections at NMAJH.

"The availability of this magnificent Collection will enhance our exhibitions and provide opportunities to share important, and sometimes unknown, stories of Jewish life in America."

NMAJH, located on historic Independence Mall in Philadelphia, brings to life the 350-year history of Jews in America. Tracing the stories of how Jewish immigrants became Jewish Americans, the Museum invites visitors of all heritages to share their own stories and reflect on how their histories and identities shape and are shaped by the American experience. An open door for all, NMAJH honors the past and contributes to a better future by sharing the power of imagination and ideas, culture and community, leadership and service, in ways that turn inspiration into action.

Building on a tradition that began with the University's founding in 1750, the Penn Libraries serve a world-class faculty and the students of Penn's 12 schools. The collections comprise more than seven million volumes, a million of which are in electronic form, over 100,000 journals, and extraordinary rare and unique materials that document the intellectual and culture experience of civilizations ancient and modern. These resources are organized into 15 separate libraries that serve the humanities, social and physical sciences, and Penn's programs in medicine, nursing, dentistry and veterinary science. Today, the Libraries play an instrumental role in developing new technologies for information discovery and dissemination, and are noted for groundbreaking work in digital library design.



Trade Card (above), P. Cohen, Lead City, Dakota Territory is on long-term loan to the NMAJH from the Kaplan Collection at the University of Pennsylvania Libraries. Trade Cards, also known as advertising cards, were produced in great quantity and variety during the last third of the 19th century and constitute the first nationwide marketing strategy in American advertising.

Human Resources: Upcoming Programs

Quality of Worklife Workshops

Dealing with the demands of work and your personal life can be challenging. These free workshops, sponsored by Human Resources and led by experts from Penn's Employee Assistance Program and Quality of Worklife Department, offer information and support for your personal and professional life challenges. For complete details and to register, visit www.hr.upenn.edu/myhr/registration or contact Human Resources at (215) 573-2471 or gstull@upenn.edu

Effective Listening and Communication; February 13; noon–1 p.m.; free. This workshop is designed to teach you listening and communication techniques that will enhance both your professional and personal relationships. You'll learn how to effectively extract information, when and how it makes sense to communicate, and professional vs. personal listening and communication skills.

Relaxing Ways to Manage Your Stress; February 27; noon–1 p.m.; free. A heavy workload, long hours at the office, and a growing list of family responsibilities can be overwhelming. But simple breathing and relaxation exercises

can help you de-stress—and we'll show you how! Come learn different breathing and muscle relaxation tips you can use every day at work and at home. You'll participate in a number of guided imagery exercises to help you make stress management a lifelong habit.

Healthy Living

Get the tools you need to live well year-round. From expert nutrition and weight loss advice to exercise and disease prevention strategies, we can help you kick-start your body and embrace a healthy lifestyle. These free workshops are sponsored by Human Resources. For complete details and to register, visit www.hr.upenn.edu/myhr/registration and choose **Health Promotions** from the Browse by Category section or contact Human Resources at (215) 898-5116 or vyasr@upenn.edu

Make a Date with Your Heart; February 14; noon–1 p.m.; free. In honor of American Heart Month, give yourself the gift of good health! Join us on Valentine's Day for an insider's look at how to live a heart-healthy lifestyle. You'll learn about the many factors that can lead to heart disease and stroke, and discover what you can do to shape up your heart.

Access to Employee Exposure Records

The Office of Environmental Health & Radiation Safety (EHRS) monitors employee exposure to toxic substances and harmful physical agents and maintains employee exposure records. The Occupational Safety & Health Administration (OSHA) standard, "Access to Employee Exposure and Medical Records" (29CFR1910.1020) permits access to employer-maintained exposure and medical records by employees or their designated representative and by OSHA.

University employees may obtain a copy of their exposure record by calling EHRS at (215) 898-4453 or by email: ehrs@ehrs.upenn.edu

Hazard Communication Program

The University of Pennsylvania's Hazard Communication Program consists of information regarding access to Safety Data Sheets, proper labeling of hazardous chemicals and the hazard communication training programs required for all employees who handle hazardous chemicals as part of their work.

On March 20, 2012 OSHA announced that it is aligning the Hazard Communication Standard with the United Nations Globally Harmonized System (GHS) of Classification and Labeling of Chemicals. The revised standard requires employers to train employees in the new requirements for labeling and the new format for Safety Data Sheets (SDS) (formally known as material safety data sheets) by December 2013. Manufacturers are required to update chemical classification, labels, and safety data sheets with the GHS format by June 1, 2015. The new standard is expected to increase quality and consistency of hazard information, making it easier to safely use and handle hazardous chemicals in the workplace.

Penn's written Hazard Communication Program is available from the Office of Environmental Health & Radiation Safety, 3160 Chestnut Street Suite 400/6287. It is also available on the EHRS website www.ehrs.upenn.edu/programs/occupat/hazcomm.html. A library of SDS for hazardous chemicals used at the University is on file at EHRS. An SDS describes the physical and chemical properties of a product, health haz-

ards and routes of exposure, precautions for safe handling and use, emergency procedures, reactivity data and control measures. Many SDS's are also available through EHRS's website www.ehrs.upenn.edu/programs/occupat/msds/. University employees may also obtain an SDS by calling EHRS at (215) 898-4453 or by email: ehrs@ehrs.upenn.edu

Laboratory workers should refer to Penn's Chemical Hygiene Plan, www.ehrs.upenn.edu/programs/labsafety/chp/ for additional information concerning the safe handling of chemicals in laboratories.

OSHA requires training for all employees who work with hazardous chemicals. A specialized hazard communication training program was recently developed for the School of Design. To determine which training program applies to your work, complete the *Penn Profiler*.

US Postal Service (USPS): Rate Increase Effective January 27

Please be advised of the following announcement from Penn Mail Services.

The United States Postal Service (USPS) has announced that it will adjust prices for the following mailing services as of January 27, 2013:

First-Class Mail, Standard Mail, Periodicals, Package Services and Extra Services as well as Shipping Services

Highlights of Select Rates

Mail Type	New Rate
First-Class Mail letter (1 oz.)	\$0.46
Single-piece letters additional ounce rate (unchanged)	\$0.20
Postcards	\$0.33
Letters to Canada or Mexico (1 oz.) (unchanged)	\$1.10
Letters to other international destinations (unchanged)	\$1.05

The new detailed rate charts are available at www.usps.com/new-prices.htm

—Business Services

One Step Ahead

Security & Privacy
Made Simple

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

It's Data Privacy Month: Update Your Facebook Privacy Settings and More

Facebook has once again changed its approach to privacy settings on its site, and it is time to sit up and take notice. Don't fall victim to default privacy settings that may not be right for you. You can take steps to address your privacy concerns through the choices that you make.

There are different sharing and permission options for Facebook users. It may seem daunting, but Penn's Guidance can help.

Visit www.upenn.edu/privacy and click on "Facebook Privacy Settings." There you can walk through how to set the most important—"core"—privacy settings, such as who can see your posts, search for you on Facebook, or add content to your Facebook page.

Don't ignore other privacy-related concerns, such as whether or not you want your Facebook page turning up in public Internet searches, location and tagging information appearing on your timeline, your friends' apps accessing and taking your information, and other security issues. In all of these cases, you can set preferences to mitigate privacy risks.

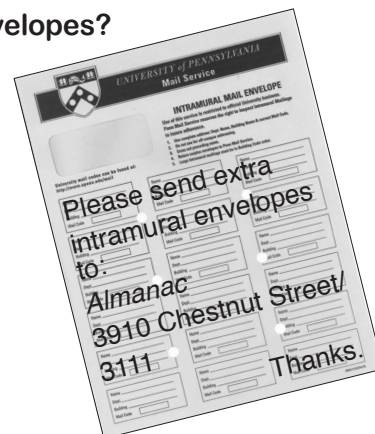
It won't take more than five minutes—but it can prevent significant privacy intrusions and unintended consequences of your own—and your friends'—Facebook use.

PS: Don't stop at Facebook. On Penn's Privacy Page, click on "What Are You Doing About Privacy Today?," and take steps to protect yourself from identity theft on smartphones and tablets and exercise privacy choices Penn provides as well.

*January is Data Privacy Month—
Take action and protect yourself!*

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

got envelopes?



Update

January AT PENN

EXHIBIT

Now *Troupe*; Undergraduate Fine Arts Invitational; Charles Addams Gallery. *Through February 7*.

MUSIC

31 *Mac Demarco with Bleeding Rainbow*; garage-rock; 9:30 p.m.; Pilam, 3914 Spruce St.; free but PennCard required (SPEC Jazz & Groove).

TALKS

29 *Liberating Music: The Parallels of Africa's Freedom Music and US Civil Rights Songs*; Carol Muller, music; Salamishah Tillet, English; Herman Beavers, English; includes dinner; 5 p.m.; Du Bois College House; RSVP: africa@sas.upenn.edu (AARC).

30 *Autologous T Cells as a Personalized Treatment for Patients with Cancer*; Stephen Rosenberg, NCI; 9:30 a.m.; Wistar Institute (Wistar Institute).

Let's Talk About Race; Howard Stevenson, GSE; 5 p.m.; Terrace Room, Claudia Cohen Hall (SP2).

Preparing Today's Students for Tomorrow's Jobs in Metropolitan America; Laura Perina, GSE; 5:30 p.m.; Golkin Room, Houston Hall (Penn IUR).

AT PENN Deadlines

The January and February AT PENN calendars are online at www.upenn.edu/almanac. The deadline for the weekly Update is each Monday for the following week's issue. The deadline for the March AT PENN calendar is *Tuesday, February 12*.

Information is on the sponsoring department's website. Sponsors are in parentheses. For locations, call (215) 898-5000 or see www.facilities.upenn.edu

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

Burrison Gallery Call for Submittals

Burrison Gallery is calling for artwork submittals to be considered for future exhibitions. Any Penn faculty, staff, alumni or family member of these groups may submit work for consideration. Submittal packages should include slides, photos, or CDs of work along with the artist's bio, including their relationship to Penn and a brief description of the work: medium, technique, etc. Artists selected will be given a six-week, one person show at the gallery with the option of an opening reception.

The Burrison Gallery is an entity of the University Club, a private club for faculty, staff, as well as associate members who include post-doctoral fellows, graduate students and alumni at the University of Pennsylvania. The Burrison Gallery provides a venue for artists in the University community. Maurice Burrison's vision was to encourage artistic freedom. His legacy continues as the Burrison Gallery emphasizes the role of art and culture in strengthening collaborative relationships across the University.

Please send submittal packages to:

Ilene Wilder, chair, Burrison Gallery Advisory Committee, 3401 Walnut Street, Suite 440A, Philadelphia, PA 19104-6228, or at ilene@upenn.edu

Become a Facebook fan of the Gallery:

www.facebook.com/pages/Philadelphia-PA/Burrison-Gallery/99392894507?ref=ts

New Residential Services Website

Business Services is pleased to introduce the new Penn Residential Services website. The redesigned site provides Residential Services with a modernized look while increasing the interaction capability with current and potential students and parents/guardians. The website will continue to host all essential on-campus information as its predecessor. New features include a News and Announcements section, easier menu navigation, and a Family and Friends information page. You can view the new website at www.upenn.edu/housing.

—Business Services

Pre-Tax Increase for Penn's SEPTA Commuter Choice Program/COMPASS

The recent American Taxpayer Relief Act of 2012 included an increase in the pre-tax commuter limit from \$125 to \$245. This change is effective beginning with your March 2013 commute month/February payroll month. This increase affects weekly or monthly payroll deductions and reflects the maximum allowed pre-tax amount per calendar month for 2013. If you already participate in Penn's Commuter Program through ADP you do not have to make any changes. All deductions will be automatically calculated for the February pay statement. The increase also applies to those who use the Commuter Check Card Prepaid MasterCard®, TransitChek®, PATCO, DART and NJ Transit.

If you have questions or would like further explanation please contact the Parking Office at parking@exchange.upenn.edu



Almanac On-the-Go: RSS Feeds

Almanac provides links to select stories each week there is an issue. Visit *Almanac's* website, www.upenn.edu/almanac for instructions on how to subscribe to the *Almanac* RSS Feed.

CLASSIFIED—UNIVERSITY

RESEARCH

Are you bothered by menopausal hot flashes? You could be eligible for an investigational research study if you are 45-60 years of age, in good general health, and experiencing hot flashes. Participants will be compensated and receive an investigational, non-hormonal study medication. Call 215-662-3329

For information call (215) 898-5274 or visit www.upenn.edu/almanac/faqs.html#ad

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The University of Pennsylvania's journal of record, opinion and news is published Tuesdays during the academic year, and as needed during summer and holiday breaks. Its electronic editions on the Internet (accessible through the Penn website) include HTML, Acrobat and mobile versions of the print edition, and interim information may be posted in electronic-only form. Guidelines for readers and contributors are available on request and online.

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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 **January 14-20, 2013**. Also reported were 15 Crimes Against Property (6 burglaries, 8 thefts and 1 act of vandalism). Full reports are available at: www.upenn.edu/almanac/volumes/v59/n19/crime-report.html Prior weeks' reports are also online. —Ed.

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 **January 14-20, 2013**. 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.

01/14/13	3:16 PM	3400 Civic Center Blvd	Harassment by communication
01/16/13	1:04 AM	210 S 40th St	Male cited for public drunkenness
01/17/13	8:22 PM	3411 Chestnut St	Domestic assault, offender arrested
01/18/13	7:40 PM	3411 Chestnut St	Complainant assaulted by boyfriend

18th District Report

Below are all Crimes Against Persons from the 18th District: 4 incidents with 1 arrest (2 aggravated assaults, 1 robbery, and 1 rape) were reported between **January 14-20, 2013** by the 18th District covering the Schuylkill River to 49th Street & Market Street to Woodland Avenue.

01/17/13	5:30 PM	4900 Cedar Ave	Aggravated Assault
01/17/13	7:30 PM	242 S 51st St	Aggravated Assault
01/18/13	7:00 PM	3411 Chestnut St	Robbery
01/19/13	9:28 PM	Unit blk S 42nd St	Rape/Arrest

W-2 Wage and Tax Statement		7 Social security tips		8 Wages, tips, other compensation		9 Federal income tax withheld	
1 Employer's name, address, and ZIP code		10 Allocated tips		11 Social security wages		12 Social security tax withheld	
Trustees of the University of Pennsylvania 3451 Walnut Street, Room 310 Philadelphia, PA 19104-6284		13		14 Medicare wages and tips		15 Medicare tax withheld	
16 Employee's name, address, and ZIP code		17 Dependent care benefits		18 Nonqualified plans		19a See instructions for box 12	
17a		17b		17c		17d	
17e		17f		17g		17h	
17i		17j		17k		17l	
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