the USciences MPH: where knowledge becomes power

The Master of Public Health (MPH) program at University of the Sciences provides the knowledge, skills, and practical training you’ll need to realize your full potential in improving public health and health policy. Our graduates have positions in both the public and private sectors that utilize their abilities to effect change at the local, state, and national levels. Our program offers:

- Courses in public health regulation and management, policy analysis, healthcare ethics, health economics, epidemiology, community and environmental health, and social and behavioral health
- Small class sizes to allow for close interaction with fellow students and faculty
- Opportunities to work closely with our faculty on fieldwork
- An interdisciplinary team of professors with expertise in epidemiology, health policy, pharmaceuticals, statistics, and public policy
- Hands-on learning and the ability to explore different internships
- Partnerships with a wide range of healthcare organizations and agencies.

NEW FALL 2013!

Pharmacy and Public Health

New course focusing on role of public health in pharmaceuticals/pharmacy practice

Learn how at usciences.edu/Bulletin/PublicHealth
COVER STORIES

The Inauguration of 
Dr. Helen F. Giles-Gee
Page 3
The inauguration of 
USciences’ 22nd president 
was a true showcase.

FEATURES

Ivy Traditions at USciences
Page 8
Ivy that covered Griffith Hall hid history.

Biomass: Crude Oil 
for the 21st Century
Page 11
What to do with the byproduct of biofuel? 
Dr. Nathan West is on the case.

Student Research 
Earns Prestigious 
Mayo Clinic Fellowship
Page 13
Corena Shaffer PH/TX’14 was selected.

192nd Commencement
Page 14
The class of 2013 assembled 
for the final time.

More Than One Way 
to Give Back
Page 27
Julie M. Gerhart P’94, MS’05, RPh, used 
a family situation to benefit students.

DEPARTMENTS

Bulletin Board
Page 16

Alumni Events
Page 20

Whistle Stop Tour 
Highlights
Page 22

Class Notes
Page 23
From the President

What an exciting first year it has been for me at USciences! My travel from LA to Las Vegas to Florida and more has reinforced my knowledge of the range of entrepreneurship and leadership exhibited by our alumni throughout the country and the world. Your alumni board has been ever so supportive of the University, linking its strategic plan with the goals of the University.

On campus, I have met with every office and learned firsthand about their strengths and goals. The faculty senate has worked diligently to review academic standards and ensure the best curriculum possible in all of our programs. The student government association is strong here, and in monthly meetings, they have brought many issues to my attention as I have to them. Thanks to our discussions, we are moving forward on initiatives such as an honor code for students and a smoke-free campus.

Due to the cost containment and strong controls of our budget managers, the Facilities Department is overseeing board-approved work on over $2 million of campus improvements. Our new building for interprofessional education, and future home to the Department of Physician Assistant Studies, is raising steel in July. And don’t miss coming back for the reunion in September to see the changes on the campus, especially in the library!

Most of all, we have streamlined our University’s administration from the top and reinvested millions gained back into our primary purpose: education. We’re hiring new faculty in pharmacy and raising the operating budgets in biology and chemistry. All of our accreditations, including pharmacy, are on target. Additionally, I am pleased to announce that both the physician assistant and pharmaceutical and healthcare business programs are in the candidacy phase of accreditation, which will be an important mark of excellence for each when fully achieved. Overall, we received good feedback from the Middle States Commission on Higher Education from their site visit for our University-wide accreditation.

Our collective vision is for the achievement of academic excellence and delivering high value for our students. We are working collectively to ensure that USciences is recognized as a great place to work for faculty and staff. As I complete my first year, it excites me to know that we have a lot more to do together. University of the Sciences has had a great place in Philadelphia’s history. I believe that USciences will have a great place in its future.

Sincerely,

Helen F. Giles-Gee
President
The inauguration of Helen F. Giles-Gee, PhD, as the 22nd president of University of the Sciences was a true showcase of all that USciences has to offer. From talks to performances to presentations, the entire campus community was engaged in the celebration. The week culminated with the inauguration ceremony that drew delegates and dignitaries from around the country to USciences’ campus and helped to usher in

“A New Era of Opportunities: Teaching, Research, and Service.”
“University of the Sciences aims to be the leading institution of its type—collaborating with complementary partners from other colleges and universities, government, business, and communities; focusing research in sync with its mission and the needs of society in science and healthcare; contributing to the positive welfare of the community through service; and educating a powerful workforce to support the region’s economy.”

Helen F. Giles-Gee, USciences president
(excerpted from inaugural address)
Graduate Student Organization
Multicultural Reception
An evening of fun-filled traditional dance, song, ethnic attire, and cuisines represented the cultural diversity at USciences.

Samson College of Health Sciences Health Fair
The Health Fair highlighted the students at Samson College as they demonstrated their skills by offering various wellness screenings and activities.

Title IX Anniversary Reception
USciences celebrated the 40th anniversary of the Title IX legislation that paved the way for equality in intercollegiate athletics. The reception paid tribute to current and former student-athletes at USciences.

Women’s Softball Game vs. Millersville
Students cheered on the Devils as they hosted the Marauders of Millersville in a double header, where Dr. Giles-Gee threw out the first pitch.
26th Annual Krantz Lecture

Dr. Robert Blouin, dean and Vaughn and Nancy Bryson Distinguished Professor at The University of North Carolina Eshelman School of Pharmacy in Chapel Hill, discussed the “Integration of the Education and Research Missions: Optimizing Impact in Health Science Professions.”

Made possible by Frank M. Berger Hon’Alm’66, family, friends, and other donors.

“...This University has continued to diversify its academic program offerings from the bachelor’s through the doctorate. It carved out a niche where healthcare and science converge, with a mission of supporting the nation’s need for scientists in such fields as bioinformatics, biochemistry, physics, and environmental science, as well as health professionals in pharmaceutical and healthcare business, physical and occupational therapy, health policy, and physician assistants, who are strong in character and citizenship. Graduates in these fields, as well as pharmacy, have made extraordinary contributions with global impact...”

Helen F. Giles-Gee, USciences president

(excerpted from inaugural address)

11th Annual Research Day Poster Presentations

USciences faculty and students showcased undergraduate, graduate, and faculty presentations that demonstrated the breadth of campus research pursuits.

USciences Kingsessing Singers and Players

From the Inauguration Ceremony to the Black Tie Gala, the guests were entertained by the soothing sounds of USciences student musicians and singers.

StEPP Speaker Series

A student-centered program, launched by Philadelphia College of Pharmacy, StEPP (Student Excellence and Professional Program) provides personal and professional development for USciences students. The speaker series promoted leadership through an accomplished speaker, Dr. Christian Morssink, CEO of United Nations Association of Greater Philadelphia (left), who spoke on “Professionals Caring for People.”

StEPP is supported by gifts from faculty and alumni.
Inauguration Ceremony and Reception

Dr. Helen F. Giles-Gee was presented with the presidential medallion as the 22nd President of University of the Sciences by former president Allen Misher P’59, PhD, HonDSc’95 (left) and chairman of the board Marvin Samson HonAlm’96.

Inaugural Gala

Proceeds from the Inaugural Gala benefited the President’s Fund for Student Research, a fund created to celebrate this historic event and to provide resources for one of the new president’s highest priorities. This endowed fund will support students, in any program or year of study, with their research endeavors.

Gala Sponsors

**GOLD SPONSOR**
Sodexo, Inc.

**BRONZE SPONSORS**
Ferrilli Information Group
Turner Construction Company

**UNIVERSITY SUPPORTERS**
ADP Inc.
Armstrong, Doyle & Carroll, Inc.
Barnes & Noble College Booksellers, LLC
Fiduciary Investment Advisors, LLC
Posel Enterprises
SimplexGrinnell

Enjoy All the Sights and Sounds of Inauguration Week

Photos:  
http://bit.ly/1S7yDZu

Video:  
Highlights:  http://youtu.be/Yg6V74GrmqI
Inauguration Ceremony:  http://youtu.be/GXMrlcKil8
Ivy Traditions at USciences
By Dan Flanagan

The brave old plant in its lonely days,
Shall fatten upon the past:
For the stateliest building man can raise,
Is the Ivy’s food at last.

Charles Dickens:
“The Ivy Green,” from The Pickwick Papers (1836)

Fifty years ago a dense growth of ivy threatened Griffith Hall with envelopment. From jumping off points flanking the main entrance, it crept along the colonnade to close the last gap. With mixed emotions, college officials studied their options and decided to pull the ivy from the walls once and for all.

The operation quickly restored the building to its original appearance and brought to light 38 plaques formerly hidden beneath the foliage. The dates, ranging from 1872 to 1945, identified the classes that planted the ivy.

By 1945, when the plantings stopped, a total of 38 plaques decorated the walls. Of that number, 24 were bronze and 14 were concrete.

In January 1928 Philadelphia College of Pharmacy moved to West Philadelphia from Tenth Street in Chinatown. Everyone felt duly proud of the new building; no one more so than the alumni contributors who had waited so patiently for the program to come to fruition. Within six months the Alumni Association held its first reunion at the new location. Representatives from nearly every class between 1871 and 1928 attended, with a few from 1868 (who witnessed the Tenth Street opening.) A featured ivy planting ceremony drew participants from over 39 classes who encircled the college and broke ground with a special invocation:
“May this ivy plant, which symbolizes enduring growth, flourish and encompass this material building as does the love of her sons and daughters encompass their Alma Mater.”

Twelve classes at the reunion soon took the additional step of identifying their ivy patch with a wall marker, the earliest reading “1872.” The plantings instantly became an annual ritual but the plaques took longer to catch on. Only seven additional markers appeared by 1935 but more were encouraged:

“June 2, 1936 will be...Reunion Day for twelve classes...and only two of these have placed plaques. Would it not be a good idea if each of the other ten would be able to dedicate one next year? Why not? Those made of concrete are very inexpensive, look well, and seem to be indestructible; those made of bronze cost but little more.” – PCPS Bulletin

By 1943, when the plantings stopped, a total of 38 plaques decorated the walls. Of that number 24 were bronze and 14 were concrete.

Ivy transplanted from PCP’s old home went notably absent from the proceedings. Almost 25 years had elapsed between the opening of the 1928 building and the start of the relocation drive. Since PCP had been planning to move for such a long time, no ivy tradition ever flourished at the old campus. Did the outpouring of enthusiasm in 1928 result from earlier wishes that went unfulfilled? Or did inspiration come from somewhere else?
In 1872 the University of Pennsylvania left center city for rural West Philadelphia. As a token of remembrance, the class of 1873 planted sprigs of ivy beneath a marking stone set into the wall of the new building. Succeeding classes did likewise and by 1928 (when PCP joined the neighborhood) Penn’s Gothic halls were buried in ivy!

Surprisingly, Penn was not a latecomer to the ivy tradition. Despite the pre-Revolutionary War origins of our oldest universities, their institutional associations with ivy began in Victorian times. Harvard and Yale adopted the custom after Penn while Princeton started in 1852, presumably in imitation of their ancient forebears in England.

Curiously, an 1872 London publication entitled “The Ivy: A Monograph Comprising the History…of the Plant” doesn’t mention England’s institutions of higher learning at all. Its author, Shirley Hibberd, speaks of ivy nearly everywhere else though, especially on church walls and cathedrals. In fact Hibberd relied exclusively on churchmen to conduct a “systemic inquiry” into the effects of ivy. Her conclusions were highly favorable:

“Nothing so effectively keeps a building dry as ivy…the leaves acting as a weather-board or vertical tiling, to throw every drop of rain away from it. Its exuberant and web-like roots bind everything together…not a single stone can be removed from its position without first tearing away its protective safeguard...In the case of a dwelling-house...the screening off of rain is not the only benefit conferred, for walls...are warmer when clothed [in ivy and this] increases the comfort of the inhabitants.”

Be that as it may, perceptions of ivy as a destroyer influenced 20th-century thinking more strongly, and many old colleges pulled down their ivy accordingly.

Photographs confirm that PCP’s ivy disappeared shortly before June 1964. Ironically, this coincided with the retirement of HARVEY P. FRANK P’1913, associate professor of pharmacy. Frank entered the faculty in 1924 and strongly contributed to the ivy’s proliferation as chairman of the Committee on Ivy Plaques in the 1930s and ‘40s.

Ivy rituals slowed down at PCP during World War II and stopped altogether after 1949, when the belated wartime plaques were finally dedicated. A reinterpretation emerged during the college’s 175th anniversary in 1996 using “Ivy Stones” instead of the earlier devices. The revival also made provisions for the missing classes between 1946 and 1995. And so the tradition continues today, minus the troublesome ivy plant itself.

But that’s not the end of the story. Oxford University has completed a three-year scientific study that endorses ivy as a preservation asset. The findings are reminiscent of Hibberd’s claims from 1872 (Google: “Oxford University Ivy Study”). Landscapers thoroughly disposed of PCP’s ivy a long time ago—except for a stubborn patch on the west side of Griffith Hall that hid under some heavy equipment. As if on cue it’s creeping out again toward the old familiar walls.
Biomass: Crude Oil for the 21st Century

By Jen A. Miller

When the U.S. Department of Agriculture and National Institute of Food and Agriculture started looking into an alternative biomass from which to produce fuel, they looked to switchgrass, which is a weed nobody wanted.

When they needed someone to figure out what to do with the byproduct of their refining process, they turned to NATHAN M. WEST, PhD. Dr. West, an assistant professor of chemistry at USciences, is working with lignin, which is the material that makes up plant cell walls.

After the switchgrass is turned into what Dr. West calls “a very crude bio-oil” by a process known as “fast pyrolysis,” lignin is still left behind, “largely unreacted.” His work is part of a larger, three-year funding initiative dubbed FarmBio3 (Distributed On-Farm Bioenergy, Biofuels and Biochemicals). USciences is one of several universities, such as University of Delaware, Drexel University, Villanova University, and Swarthmore College, forming a larger consortium with industry partners that have a part of the project.

Dr. West uses transition metal elements, like nickel, manganese, and vanadium, to convert the lignin into something usable under mild conditions. He’s specifically seeking a replacement for aromatic chemicals that are typically produced from crude oil and are used to make commodity chemicals, plastics, and octane boosters.

“Lignin is 25 to 35 percent of the material. If you throw it all away, then biomass is not economically feasible as a petroleum replacement.”

NATHAN M. WEST, PhD, assistant professor of chemistry

continued on page 12
The goal of his work is twofold: first, figure out how to turn a naturally growing and abundant source that is not part of our food system into usable chemicals and, second, to do so efficiently.

“Lignin is 25 to 35 percent of the material,” he said of switchgrass sludge. “If you throw it all away, then biomass is not economically feasible as a petroleum replacement.”

He hopes that this process will not only create a reliable chemical source from a renewable plant product but also replace corn ethanol as a bio-based fuel source. Producing ethanol from corn drives up food prices. Switchgrass, on the other hand, is a six- to eight-foot tall weed that can grow on lands not suitable for food crops. “It’s a true waste product,” Dr. West said.

Dr. West’s work has focused on studying the chemistry of transition metals. He came to USciences three years ago after earning both his undergraduate and PhD degrees at the University of North Carolina Chapel Hill and conducting post-doctoral research at the California Institute of Technology.

Dr. West started working on the USDA project in October. Right now, lignin is shipped to USciences from the USDA’s Eastern Regional Research Center, but the goal is that a biomass reactor could be created in the trailer of an 18-wheeler truck and moved from farm to farm as a rolling, energy-efficient production line. “It would be a farm-based conversion of plant material,” said Dr. West. “It’s a pretty cool project.”
There’s no summer break for CORENA SHAFFER PH/TX’14. She was selected from among 1,159 applicants to receive a research fellowship at the Mayo Clinic during the summer of 2013 through the Summer Undergraduate Research Fellow (SURF) program. SURF fellowships are competitive (top 10 percent) and selective (faculty-driven match process) and include a $5,000 stipend.

Shaffer is working with Dr. Larry Karnitz, professor of molecular pharmacology and experimental therapeutics, studying DNA repair pathways that are activated in tumor cells when they are exposed to chemotherapy. These pathways enable the tumor cell to “survive” chemotherapy, so there is great interest in understanding how these pathways work, such that they can be blocked by coadministered drugs during chemotherapy.

“I will use this fellowship not just for the opportunity but also to help me reach my future career goals,” said Shaffer. “Upon graduation from University of the Sciences, I plan on attending graduate school to attain my PhD. The SURF program will challenge me daily and foster my development as a scientist so that I may complete this program knowing that I have done all of the work possible to reach my goals.”

During her second and third years at USciences, Shaffer has been conducting research in the laboratory of CATHERINE C. MOORE, PhD, assistant professor of pharmacology and toxicology, and has made significant contributions toward identifying the biochemical mechanisms by which abnormal expression of G protein-coupled receptors (GPCRs) in breast cancer cells unmasks a motile and invasive metastatic phenotype. Her work demonstrates a significant alteration in signaling kinetics when GPCRs detect gradients of ligand. She has studied cortactin (invadopodia marker) as well as numerous “motility” kinases, as measured by ELISA, Immunoblot, and microarray analysis.

In the spring 2013 semester, she continued her research and was generating siRNA-resistant cDNA constructs in order to “rescue” the motility defects observed following siRNA knockdown of the identified signaling components.

Shaffer works as part of a team of researchers in the Moore lab, which includes JACQUELINE FREED PhD’13, ANASTASIA JANCINA PhD’14, and BRYCE WINANT MS’14, all pharmacology/toxicology graduate students. Shaffer presented her work at the American Society for Cell Biology (ASCB) national meeting in San Francisco in December 2012, where she was a coauthor on two abstracts. This work was also presented at the American Society for Pharmacology and Experimental Therapeutics (ASPET) annual meeting in Boston, April 2013, as part of a GPCR colloquium featuring the recent 2012 recipients of the Nobel Prize in Chemistry.
University of the Sciences’ class of 2013 assembled for the final time on May 22. The festive celebration at The Liacouras Center at Temple University for the nearly 460 pharmacists, scientists, and healthcare practitioners marked an end of one milestone and the beginning of a path toward another.

Joining the class of 2013 was honorary doctor of science degree recipient Dr. KENNETH A. DICKINSON P’68 who provided a moving and personal account of his struggles with addiction and his path to overcoming adversity and ultimately helping others.

“*My hope is that as you are faced with adversity you will be able to respond and find success.*”

Dr. KENNETH A. DICKINSON P’68, honorary degree recipient

---

192nd Commencement
May 22, 2013
USciences Congratulates the Class of 2013

University of the Sciences’ class of 2013 assembled for the final time on May 22. The festive celebration at The Liacouras Center at Temple University for the nearly 460 pharmacists, scientists, and healthcare practitioners marked an end of one milestone and the beginning of a path toward another.

Joining the class of 2013 was honorary doctor of science degree recipient Dr. KENNETH A. DICKINSON P’68 who provided a moving and personal account of his struggles with addiction and his path to overcoming adversity and ultimately helping others.

Photo Gallery: [http://bit.ly/19pDs0i](http://bit.ly/19pDs0i)
Bachelor’s Degree Conferment Ceremony—May 17, 2013

The second annual bachelor’s degree conferment ceremony was held for approximately 200 students in the doctor of occupational therapy, doctor of physical therapy, and doctor of pharmacy programs. The ceremony celebrates those students who are eligible to earn a bachelor’s degree during the 2012–13 academic year even as they continue their matriculation toward their professional degrees.


“I am certain that each of you has distinguished yourself in one way or another during your tenure as an undergraduate student at the University.”

Dr. David Gibson, conferment address
There’s an App for That at USciences

Version 2.0 of the USciences app is available for iPhones. Improvements include a new directory module as well as a connection to the library. Get it now:

iPhone: http://bit.ly/11HMPkq

President’s Commission on Sustainability Formed

USciences president Dr. Helen Giles-Gee announced the formation of the President's Commission on Sustainability. This commission will provide valuable service to the campus. It will be charged with determining cost and energy savings and enhancing sustainable practices across the entire campus community. Primary goals of the commission will be to decrease USciences' carbon footprint and to move the campus toward joining the national effort for sustainability in higher education. The President's Commission on Sustainability will be composed of faculty, staff, and students. The group will advise the president and other administrative groups on campus about issues of sustainability across the campus. Read more: http://bit.ly/12ffxAn

Track the STCII Construction

The new interprofessional education building, featuring a sustainable green roof, is rising on campus. A new webcam pointed at the construction site makes tracking the building progress easy. Look for the webcam at usciences.edu/STCII.
USciences-NYU Study Abroad Relationship Extended

USciences and the New York University (NYU) Study Abroad Program have renewed an articulation agreement under which USciences students retain access to the NYU network of global academic centers, located in some of the world’s most dynamic cities.


The Elixir Turns the Page on 50 Years

The Elixir, USciences’ student literary magazine, turned 50 years young this year with staff, contributors, and former editors celebrating the occasion on Friday, April 5, 2013. Former editors of the publication from the ’70s, ’80s, and ’90s were on hand to join in the celebration. The Elixir was started by Professor RICHARD FLEU in 1963.


USciences Continues Delaware Valley Science Fairs Sponsorship

USciences was once again proud to sponsor the Delaware Valley Science Fairs. In addition to an in-kind donation that translated into public relations services, the University gives scholarships to student winners at the Marie Curie level.


USciences Joins LEAP Employer-Educator Compact

USciences was among the initial signatories for a new national initiative called the LEAP Employer-Educator Compact that was developed by the Association of American Colleges and Universities (AAC&U) and by employers working with AAC&U. This ongoing national initiative will ensure that today’s students will be well prepared for economic, civic, and global challenges.

“The value of having students who are science-based students rotate through my company is immeasurable,” said Dr. DONALD J. M. PHILLIPS, CEO of Independence HealthCom Strategies Group, Inc., and a member of USciences board of trustees, who signed the compact as an employer. “For the students, they gain exposure that helps make them better healthcare professionals.”

USciences at the 2013 Philadelphia Science Festival—April 18–28

From April 18 to 28, USciences faculty, staff, and students spanning many of the University’s disciplines took part in the activities of the 2013 Philadelphia Science Festival. For the third year, USciences was a sponsor for this citywide collaboration showcasing science and technology. Activities included the Clark Park Discovery Day where physical therapy students and faculty performed fitness tests on visitors and the Science Carnival on the Parkway where students and faculty from chemistry showed families how chemistry works to make slime. Read more:  

Going Global: USciences Ranked in Top 100 Universities

A global ranking by Youth Incorporated magazine recognized USciences as 95th overall in the Top 100 Global Universities division. The ranking identifies the best higher education institutes in the world that are fulfilling their commitment to provide quality education. Read more:  

Founders’ Day 2013 Celebrates the University’s 192nd Anniversary

Each February, University of the Sciences honors its past with a Founders’ Day ceremony to commemorate the University’s establishment in 1821. Among the honorees this year was Legacy JOSEPH L. FINK, III, P’70, JD, professor of law and policy at the University of Kentucky College of Pharmacy. He received an honorary doctor of science degree in recognition of his leadership and dedication to the advancement of pharmacy, law, research, and education. Read more:  
http://bit.ly/1lyLmRM

At the Clark Park Discovery Day, left to right (standing): LUCAS YOUREY DPT’15, assistant professor of physical therapy LISA HOGlund, PhD, and TALENE SOGHOMONIAN DPT’15; (sitting): JESSICA THOMAS DPT’15 and JESSICA CARL DPT’15.

Amy Lai C’16 and Jeremy Schmoyer BC’16 showed families how to make slime at the USciences tent during the Philadelphia Science Festival Carnival.
2012–13 USciences Athletics Top Athletic/Academic Accomplishments

- Named a President’s Award for Academic Excellence recipient for second-straight year by the NCAA.
- Earned a 97 percent academic success rate (ASR), fifth best among all Division II schools nationally.
- Men’s basketball player GARRET KERR DPT’17 named Central Atlantic Collegiate Conference (CACC) player of the year and selected to two all-America teams.
- Women’s basketball player BRIANNE TRAUB PharmD’17 named to first team all-CACC.
- Women’s cross country team named a U.S. Track & Field and Cross Country Coaches Association (USTFCCCA) Division II all-academic team for 10th-straight year (first CACC team to achieve this).
- Women’s cross country runner BRIANNA LIGOTSKI DPT’18 named to USTFCCCA all-academic team.
- Women’s cross country runner KRISTIN WATERS PharmD’15 named to the Capital One academic all-district track/cross country first team (only CACC cross country runner to earn this honor).
- Women’s softball team set a school record for wins (24) and finished fifth in the CACC, earning its first CACC tournament berth since 2010.
- Softball player ERIN SUMMERS DPT’15 became the Devils’ all-time hits and stolen base leader.
- Baseball player KYLE DAVIS ESWM’13 became the Devils all-time hits leader.
- 18 student-athletes named to CACC all-academic teams.
- 25 student-athletes named 2012 D-2 ADA academic achievement award winners.
- USciences athletic department hosted 2013 CACC men’s and women’s basketball championship tournament.
- USciences sports information director BOB HELLER inducted into the Philadelphia Area Small College Coaches Association Hall of Fame.
- Mixed rifle shooter BRAD DRISCOLL PharmD’15 became a four-time MAC all-academic team honoree and was named to the Philadelphia area men’s at-large all-academic team for the third-consecutive year.
- Men’s tennis player JAKE SOSONKIN PrePro’16 named CACC rookie of the year.
Alumni Association Mission:
To engage the graduates of University of the Sciences in promoting the goals and objectives of the Alumni Association and the institution.

Alumni Events

Alumni/Student Career Panel
Wednesday, April 10, 2013, USciences Campus
On April 10, six USciences alumni who majored in chemistry as students were invited to participate on a career panel. The event, cosponsored by the Alumni Relations and Career Services departments, was designed to help students majoring in chemistry make career decisions. Alumni panelists shared their experiences and expertise on topics ranging from choosing a graduate school to finding a stimulating position at a company with the proper life/work balance.

Student Appreciation Day
Friday, April 12, 2013, USciences Campus
Alumni and parents volunteered their time to hand out Alumni Association-sponsored gifts to students during Student Appreciation Day festivities.

American Pharmacists Association (APhA) Annual Meeting
Saturday, March 2, 2013, Los Angeles
Over 100 alumni, faculty, friends, and students convened at the annual alumni reception sponsored by the Office of Alumni Relations and the Alumni Association. President Helen Giles-Gee provided an update on University news. See more photos: http://on.fb.me/105h1vP

Induction of Officers and Directors
Thursday, April 4, 2013, USciences Campus
Pennsylvania Pharmacists Association (PPA) Annual Meeting
Sunday, March 3, 2013, Los Angeles

Philadelphia College of Pharmacy joined seven other Pennsylvania schools of pharmacy in hosting a reception for PPA member alumni. The event attracted USciences attendees who had the opportunity to mingle and network while meeting their peers from other institutions. See more photos from PPA: [http://on.fb.me/11QRmRx](http://on.fb.me/11QRmRx)

Left to right: Frank Lacquaniti; Jody Shollenberger P’84, MBA; Julie Gerhart P’94, MA’05; Ken Leibowitz HonAlm’09; Yuqian Liu PharmD’14; and David Baker P’81, JD, MBA.

Lancaster County Pharmacists Gathering
Wednesday, April 24, 2013, Lititz, PA

Retired pharmacists from Lancaster County and the surrounding area gathered at Hoss’s Steak and Sea House. The event was coordinated by H. Patrick Ward P’61 and Harold (Skip) Rhodes P’55.

Among attendees were Stanley J. Buch P’48 (above left with glasses) and Frank X. McLain P’50 (above right in red shirt).

Alumni Volunteers—We Want You!
The success of many of our programs would not be possible without alumni involvement and support. From career panels to interacting with students at an alumni table, now is the time to get involved.

Contact the Alumni Relations Office at alumnirelations@usciences.edu or 888.857.6264 to learn more. Watch your inbox for details about volunteer opportunities or visit usciences.edu/alumni/getinvolved.

Griffith Leadership Society Reception
Tuesday, December 11, 2012, Packman Residence

Griffith Leadership Society members attended a special holiday dinner at the home of Professor Eli Packman P’51, MS’52, PhD’54. The event, which took place in December, gave GLS members the chance to mingle and meet USciences president Dr. Helen Giles-Gee. See more photos: [http://on.fb.me/14OPGdp](http://on.fb.me/14OPGdp)

Left to right: Michelle Athanas Karalis P’92, Nicholas Karalis P’91, and board chairman Marvin Samson HonAlm’96.

Alumni Reception at the American Society of Health-System Pharmacists (ASHP) Meeting
Monday, December 3, 2012, Las Vegas

Over 200 alumni, faculty, friends, and students convened at the MGM Grand for the USciences annual alumni reception during the ASHP Meeting in Las Vegas. This event, sponsored by the Office of Alumni Relations and the Alumni Association, gave attendees the chance to network and hear an update from University president Dr. Helen Giles-Gee and PCP dean Dr. Lisa Lawson.

Left to right: Brittany Heller PharmD’13, Jade Kozuch PharmD’13, Yana Bukovskaya PharmD’13, and Dean Emeritus George E. Downs PharmD’72.
Whistle Stop Tour Highlights

Princeton, NJ
Thursday, November 29, 2012, Lakhanpal Residence

The USciences Whistle Stop Tour arrived in the Princeton/Cranbury area of New Jersey where alumni gathered to meet president Dr. Helen Giles-Gee at the home of Dr. Raj Lakhanpal, a trustee, and his wife Sushma.

See more photos: http://on.fb.me/11qJ8zD

Highland Park, FL
Sunday, February 17, 2013, Latitudes

South Florida alumni came together at Latitudes Restaurant for a brunch to meet president Dr. Helen Giles-Gee and hear her vision for the future of the University. Alumni and friends connected and caught up with each other while sipping mimosas and feasting on fabulous fare. This was the fourth town on President Giles-Gee’s Whistle Stop Tour at which she has met alumni from around the country.

See more photos: http://on.fb.me/13tiHfm

Los Angeles, CA
Friday, March 1, 2013, California Club

The USciences Whistle Stop Tour arrived at its fifth stop in Los Angeles on March 1. Alumni, faculty, and friends from the LA area were invited to the California Club for a cocktail reception to meet president Dr. Helen Giles-Gee and hear University news. The event, hosted by alumnus Thomas McNulty, Jr., P’80, gave alums the chance to connect and catch up at this lovely and historic club.

See more photos: http://on.fb.me/163JgKK
Class Notes

1951
PETER MARK RICHMAN P’51 has authored a play, A Medal for Murray, which will be translated into Hebrew and performed at the Beit Lessin Theater in Tel Aviv, Israel.

1955
ALAN J. VOGENBERG P’55 recently fulfilled the requirements for qualification as a fellow of the American Society of Consultant Pharmacists (ASCP). He has practiced pharmacy in Bucks County, PA, for over 50 years as owner of Alan’s Pharmacy in Bristol and former president of Windsor Pharmacy in Levittown.

1965
KENNETH S. ALEXANDER P’65, MS’69 (PhD’72 University of Rhode Island, EdS’82 University of Toledo) received the 2013 Bowl of Hygeia Award from the Ohio Pharmacists Association (OPA) for outstanding service to his community. The award was presented at OPA’s 135th Annual Conference in April 2013. He is currently a professor of pharmaceutics at the University of Toledo. He and his wife Karen live in Lambertville, MI.

1966
JOHN A. GANS P’66, PharmD’69 received the APhA Foundation’s 2013 Jacob W. Miller Award. He was selected in recognition of his leadership and service to the APhA Foundation board of directors and the Bringing Your Medicines to Life campaign. John is associate dean of professional programs, professor of pharmaceutical and healthcare business, and professor of pharmacy at USciences.

1968
FRANK A. CHRZANOWSKI P’68, MA’72, PhD’75 served as a panelist in March 2013 in review of proposals on “Development of Therapeutic Medical Countermeasures for Biodefense and Emerging Infectious Diseases,” convened in Bethesda, MD, by the National Institutes of Health/National Institute of Allergies and Infectious Diseases.

1975
GARY J. STARECHESKI P’75 was recently named Pharmacist of the Year by the Vermont Society of Health-System Pharmacists. He is clinical staff pharmacist at Fletcher Allen Healthcare Academic Medical Center. The focus of his practice includes intensive care and patient and professional education. He currently lives in Richmond, VT.

1976
MICHAEL J. ZAWISZA P’76 (DO’86 PCOM) was recently elected vice president of the Pennsylvania Osteopathic Medical Association (POMA). He was installed during POMA’s 105th Annual Clinical Assembly in May 2013.

1977
The Byorick family was one of the first to reserve an element on the Periodic Table of Legacies, which is displayed in the atrium of the McNeil Science and Technology Center on campus. Robyn Shiplee coordinated with her family members to raise the donation for vanadium in memory of her father THOMAS M. BYORICK P’77 and to honor the recent graduation of her sister KARYN L. BYORICK PharmD’12. The family came to campus together on the same day on which they were celebrating Karyn’s birthday to reveal this special gift to her.

1980
MARK A. STROLLO P’80 (MS’85 Drexel University) received a doctorate of pharmacy degree from Howard University on July 14, 2012. He is senior vice president of operations at Biomed Pharmaceuticals. Mark currently resides in Wallingford, PA, and Lewes, DE.

1986
Col. ERIC A. SHALITA P’86 (MS’96 St. Louis College of Pharmacy) is the 2013 recipient of the APhA Academy of Pharmacy Practice and Management (APHA-APPM) Pharmacy Management Excellence Award. He was selected in recognition of his work with Air Force pharmacy operations, guiding operations at eight bases and steering the provision of pharmacy benefits to active military, retired personnel, and their dependents. Eric is the pharmacy director/pharmacy flight commander for the 88th Diagnostics and Therapeutics Squadron at Wright-Patterson Air Force Base.

1994
At a special ceremony on campus, William Kelly PharmD’94 was promoted to commander in the Medical Service Corps of the U.S. Navy.

AIMEE (DIXON) GUNOSKEY PharmD’96, a pharmacist for CVS Caremark, continues a separate career as an award-winning author. While a student, she worked in the campus Writing Center. Now writing as Ash Krafton, she is the author of over a hundred poems, stories, and articles on writing and publishing; and she is also a Pushcart Prize nominee. Most recently, she has released her second novel Blood Rush: Book Two of the Demimonde (Pink Narcissus Press, 2013), an urban fantasy set in Balaton, a fictional city outside of Philadelphia. Aimee resides with her husband JOSEPH J. GUNOSKEY Bi’94 (MA’99 Scranton University) and their children in Barnesville, PA.
IN MEMORIAM

1938
JOHN M. WOODSIDE, JR., P’38 passed away on March 4, 2013. He was predeceased by his parents JOHN M. WOODSIDE, SR., PD’1903 and Edna (Brown) Woodside, who was treasurer of the University’s Women’s Club for over 40 years.

1944
ISADORE CANTOR P’44 died on January 10, 2013. He was a pharmacist for 68 years and was predeceased by his wife Sylvia and brother JOSEPH CANTOR P’43. He is survived by his son Mitchell and niece ELINOR H. CANTOR MS’73.

1947
EDNA (GOLD) JOFFE P’47 passed away on October 24, 2012. She is survived by her husband Allan; sons Ira, Daniel, and Jay; daughter Lori; and seven grandchildren. Edna’s family remembers her being intelligent, funny, and loving. In addition to a career as a pharmacist, Edna also worked in insurance and real estate. She enjoyed yoga, Yiddish music, and attending Judaic studies classes. Edna requested that her body be donated to science.

1953
HENRY CLAIR FITZGERALD P’53 died on February 21, 2013, at age 90 in Elgin, SC. He began his career at Yorke Apothecary in Wayne, PA. He then owned pharmacies in Paoli, PA, and Penn Yan, NY. He later worked as a staff pharmacist at Moncrief Army Hospital in Fort Jackson, SC. Prior to attending PCPS, Henry served in the U.S. Army and fought in the Battle of the Bulge during WWII. In April 2012, he was privileged to participate in an Honor Flight of South Carolina trip to Washington, D.C., to visit the World War II Memorial and other military memorials. Survivors include his stepson THOMAS L. WOLFF P’78 and stepdaughter-in-law CAROL (SWARTZ) WOLFF P’78.

1972
GEORGE J. MALMBERG P’72 passed away on April 22, 2013, in Wilmington, DE, following a brief illness. He was 64. He and his wife LUCY (BARTKOW) MALMBERG P’72 transformed Wedgewood Pharmacy, a New Jersey community pharmacy they purchased in 1981, into one of the largest specialized compounding pharmacies in the United States, with more than 230 employees serving tens of thousands of prescribers and millions of people and animals. Wedgewood Pharmacy has earned the Pharmacy Compounding Accreditation Board’s (PCAB) Seal of Accreditation, demonstrating that it meets the highest standards of quality and safety in its profession. It was the first pharmacy in the Philadelphia area to earn PCAB accreditation, on January 31, 2012. In 2009, George received the Annual Alumni Award, given for outstanding contributions to the profession, sciences, and mankind. Lucy is a member of USciences board of trustees. They served as cochairs of the Griffith Leadership Society. More information can be found at www.wedgewoodpharmacy.com/wn/george-malmbberg.

1974
MICHAEL H. OSTROWSKY P’74 passed away suddenly on October 6, 2012. He is survived by his wife E. JEAN (CAUM) OSTROWSKY P’75, son Dan, daughter-in-law Kristi, and four grandchildren.

2002
KELLY (SCHMATZ) WRIGHT ES’02 has joined CMI in North Wales, PA. She has more than 10 years of environmental and emergency management experience and is an expert in New Jersey environmental regulations.

2009
ELIZABETH M. WALLACE PharmD’09 was recently named Rite Aid District Manager of the Year. She lives in Dunellen, NJ. Her sister, AUDREY L. WALLACE PD’1903, is also a USciences alum.

2010
THOMAS C. BERNHARDT HonAlm’10 passed away on May 13, 2013. He was director of clerkship programs at University of the Sciences and a clinical pharmacy instructor. Tom earned his pharmacy degree at West Virginia University and graduated magna cum laude. At WVU, he acquired membership into Rho Chi and Kappa Psi. He was licensed as a pharmacist in New Jersey and worked in community pharmacy for six years. At that time, he also served as the coordinator of continuing education at the New Jersey Pharmacists Association. He joined the then-named Philadelphia College of Pharmacy and Science in 1978 as director of clerkship programs and instructor in clinical pharmacy. From that time forward until his death, he scheduled clerkships for every pharmacy graduate in the BS and entry-level PharmD programs. He also served as president of the New Jersey Pharmacists Association in 1989–1990, as the University’s ROTC advisor and, for many years, on the University’s committee on academic scholarships. Survivors include his wife Pamela and daughters Erin and Andrea. Gifts in memory of Tom can be sent to University of the Sciences, 600 South 43rd Street, Box 54, Philadelphia, PA 19104.
FRIENDS OF USCIENCES

JOAN B. TARLOFF
died on May 3, 2013. She was professor of pharmacology and toxicology in the Department of Pharmaceutical Sciences at the University and retired last fall. She was a distinguished educator and scholar who was recruited in 1988 to design and implement the BS toxicology program, one of only a few in the nation. In March 2011, she was named interim chair of the Department of Pharmaceutical Sciences. She was the recipient of the 2011 Society of Toxicology Endowment Fund 50th Anniversary Undergraduate Educator award. Joan had written for numerous publications, book chapters, and abstracts and was a coeditor of *Toxicology of the Kidney*. She earned a BS in pharmacy and MS degree from the University of Toledo and a PhD from the Medical College of Ohio before completing postdoctoral fellowships at the Medical College of Ohio and SmithKline Beckman. Joan is survived by her husband James.

NOTES TO SHARE?
Visit our alumni online community: usciences.edu/USciencesAndYou

IN MEMORIAM

<table>
<thead>
<tr>
<th>NAME</th>
<th>DATE OF DEATH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jack R. Alloway BI’43, MS’49</td>
<td>December 11, 2012</td>
</tr>
<tr>
<td>David C. Beattie P’74</td>
<td>March 1, 2013</td>
</tr>
<tr>
<td>Thomas J. Beeda P’56</td>
<td>November 11, 2012</td>
</tr>
<tr>
<td>Russell “Larry” Campman, III, P’58</td>
<td>April 9, 2013</td>
</tr>
<tr>
<td>Edis E. Cherin P’51</td>
<td>May 26, 2012</td>
</tr>
<tr>
<td>Ralph L. Easter P’49</td>
<td>February 11, 2013</td>
</tr>
<tr>
<td>John E. Hillard P’53</td>
<td>March 24, 2013</td>
</tr>
<tr>
<td>Mary Ann (Giberson) Kaszuba P’85</td>
<td>May 17, 2013</td>
</tr>
<tr>
<td>Marie (Ranere) Kern BAC’36, P’61</td>
<td>April 7, 2013</td>
</tr>
<tr>
<td>Edward J. Mattea P’71, PharmD’74</td>
<td>April 9, 2013</td>
</tr>
<tr>
<td>Richard J. Matthews, Jr., P’51</td>
<td>January 5, 2013</td>
</tr>
<tr>
<td>Christine (Darling) Maven MPT’91</td>
<td>March 26, 2013</td>
</tr>
<tr>
<td>George McYay, Jr., P’54</td>
<td>September 30, 2012</td>
</tr>
<tr>
<td>Thomas J. McNulty, Sr., P’50</td>
<td>July 13, 2012</td>
</tr>
<tr>
<td>David T. Moraski P’71</td>
<td>March 19, 2013</td>
</tr>
<tr>
<td>Cheryl A. Mugford PhD’94</td>
<td>November 11, 2012</td>
</tr>
<tr>
<td>Clarence H. Prowell P’52</td>
<td>February 8, 2013</td>
</tr>
<tr>
<td>Simon W. Rhoads P’53</td>
<td>March 15, 2013</td>
</tr>
<tr>
<td>Alvin Sadel P’61</td>
<td>June 17, 2012</td>
</tr>
<tr>
<td>Myron J. Skordinski P’53</td>
<td>November 11, 2012</td>
</tr>
<tr>
<td>Charles P. Stefanoski P’53</td>
<td>January 6, 2013</td>
</tr>
<tr>
<td>Robert W. VonBergen P’49</td>
<td>November 28, 2012</td>
</tr>
<tr>
<td>Clarence J. Ward P’58</td>
<td>March 17, 2013</td>
</tr>
<tr>
<td>Leonard L. Winkleman P’61</td>
<td>January 10, 2013</td>
</tr>
<tr>
<td>Mary “Sue” (Long) Zdenek P’63</td>
<td>November 29, 2012</td>
</tr>
</tbody>
</table>
The rich and storied history of this institution is evidenced by the number of legacies that have passed through our hallowed halls, including family legacies, those of beloved faculty and administrators, and friends. There's now an opportunity to permanently mark your pride in and passion for this institution. The Periodic Table of Legacies display is a “distinguished group of individuals whose outstanding generosity demonstrates a commitment to the tradition of yesterday and the vision of tomorrow.”

You can select an element to represent you, your family, your favorite professor, or the institution itself. You can become an integral part of this display for future generations to understand how strong such ties were—and shall remain.

A tile may be purchased for $1,000 and is a tax deductible contribution to the University. You may request the element location within the table upon which your family’s information will be displayed. With only 20 blocks of elements remaining, the number of tiles that can be purchased is very limited. For more information, or with questions, please call 215.596.8549.
More than One Way to Give Back

By Julie M. Gerhart P’94, MS’05, RPh

At the Alumni Association board of directors meetings, attendees are often reminded that there are numerous ways to give back to the University. Throughout the years, giving back meant several things to me: donating to the school, bringing experts in Medicare from the school to speak at my workplace, participating in career roundtables, serving as a preceptor to student pharmacists, becoming a director in the Alumni Association, and attending school events at professional society meetings. Most of the giving back focused in the area of my first degree at the college: pharmacy.

In November of 2008, my son Evan Rothholz was born. About an hour after his birth, a doctor shared news my husband and I never expected to hear: she suspected Evan had Down syndrome (DS). The news was life changing. In addition to navigating the experiences of new parenthood, we had to learn about parenting a child with DS and about arranging for therapy through early intervention. Before Evan was a month old, he had his first occupational therapy session, and at 4 months, he started physical therapy.

At an Alumni Association board of directors meeting, Dr. MICHELLE COHEN provided the attendees with an update on the physical therapy (PT), occupational therapy (OT), and speech/language pathology programs. As Dr. Cohen spoke of the programs, I wondered how much exposure student therapists had to pediatric clients and whether they had the opportunity to work with children with DS. I thought this was a perfect example of how alumni could give back to the school in a nontraditional way.

I contacted Dr. Cohen, and she connected me with faculty in the PT and OT programs. In the summer of 2012, the OT department contacted me about hosting two students during the summer for client experiences. Student therapists were required to complete eight, one-hour visits and were tasked with providing three interventions to help the client.

Within weeks, LISA VANDERPOOL MOT’14 and LACEY DELAURENTIS MOT’14 began their client experience hours. They were creative, courteous, and professional, and they had some wonderful suggestions for interventions for Evan. During their time with Evan, they met his early intervention therapists and were able to observe a session that included the use of a platform swing. They also exchanged ideas with Evan’s therapists and had the opportunity to ask questions. They gained experience and knowledge about children with DS.

When I graduated from the Philadelphia College of Pharmacy, I thought someday I’d give back to the school by being a preceptor. I never imagined that I’d be working with OT student therapists, providing them with information on DS and client experiences with my son.

To echo what is often said at Alumni Association meetings, there are many ways to give back to the University. And as I’ve learned, you can give back in ways unrelated to your major.

If you’re interested in giving back to the University, contact the Alumni Relations Office at 888.857.6264 or alumnirelations@uscience.edu

JULIE M. GERHART P’94, MS’05, RPh, is an associate director of U.S. academic and professional affairs—pharmacy at Merck. After receiving her pharmacy degree, she returned to earn an MS in biomedical writing. Gerhart is married to Mitchel Rothholz, RPh, MBA, chief strategy officer for the American Pharmacists Association, and is actively involved in organizations that focus on Down syndrome/special needs awareness and education.
We want to hear from you!

Tell us about your new job, promotion, accomplishments, engagement, marriage, or new additions such as births or adoptions.

- Online at: usciences.edu/alumni
- By phone toll-free: 888.857.6264
- By mail: Alumni Office, University of the Sciences, 600 South 43rd Street, Philadelphia, PA 19104-4495

Sending a photo? A few randomly selected photos will appear in each issue. Make sure to identify each individual in your photo to ensure accurate identification in captions.

Please print all information.

Information Change?  ☐ Yes  ☐ No

Name
Class
Address
City
State    Zip
Work Phone
Home Phone
E-mail

DEGREE/PROGRAM ABBREVIATIONS

<table>
<thead>
<tr>
<th>Degree/Program Abbreviation</th>
<th>Full Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAC</td>
<td>Bacteriology</td>
</tr>
<tr>
<td>BC</td>
<td>Biochemistry</td>
</tr>
<tr>
<td>BI</td>
<td>Biology</td>
</tr>
<tr>
<td>BlInf</td>
<td>Bioinformatics</td>
</tr>
<tr>
<td>BW</td>
<td>Biomedical Writing</td>
</tr>
<tr>
<td>C</td>
<td>Chemistry</td>
</tr>
<tr>
<td>CB</td>
<td>Cell Biology</td>
</tr>
<tr>
<td>CS</td>
<td>Computer Science</td>
</tr>
<tr>
<td>DPT</td>
<td>Doctor of Physical Therapy</td>
</tr>
<tr>
<td>DrOT</td>
<td>Doctor of Occupational Therapy</td>
</tr>
<tr>
<td>ES</td>
<td>Environmental Science</td>
</tr>
<tr>
<td>HonAlm</td>
<td>Honorary Alumnus/a</td>
</tr>
<tr>
<td>HonDSc</td>
<td>Honorary Degree (Science)</td>
</tr>
<tr>
<td>HPay</td>
<td>Health Psychology</td>
</tr>
<tr>
<td>HS</td>
<td>Health Science</td>
</tr>
<tr>
<td>HumSci</td>
<td>Humanities and Science</td>
</tr>
<tr>
<td>IndP</td>
<td>Industrial Pharmacy</td>
</tr>
<tr>
<td>MB</td>
<td>Microbiology</td>
</tr>
<tr>
<td>MBA</td>
<td>Master of Business Administration</td>
</tr>
<tr>
<td>MedC</td>
<td>Medicinal Chemistry</td>
</tr>
<tr>
<td>MOT</td>
<td>Master of Occupational Therapy</td>
</tr>
<tr>
<td>MPT</td>
<td>Master of Physical Therapy</td>
</tr>
<tr>
<td>MS</td>
<td>Master of Science</td>
</tr>
<tr>
<td>MSPAS</td>
<td>Master of Science in Physician Assistant Studies</td>
</tr>
<tr>
<td>MT</td>
<td>Medical Technology</td>
</tr>
<tr>
<td>OrgC</td>
<td>Organic Chemistry</td>
</tr>
<tr>
<td>P</td>
<td>Bachelor of Science in Pharmacy</td>
</tr>
<tr>
<td>PA</td>
<td>Physician Assistant</td>
</tr>
<tr>
<td>PaD</td>
<td>Pharmacy Administration</td>
</tr>
<tr>
<td>PharmD</td>
<td>Doctor of Pharmacy</td>
</tr>
<tr>
<td>PhB</td>
<td>Pharmaceutical and Healthcare Business</td>
</tr>
<tr>
<td>PhC</td>
<td>Pharmaceutical Chemistry</td>
</tr>
<tr>
<td>PhCog</td>
<td>Pharmacognosy</td>
</tr>
<tr>
<td>PhD</td>
<td>Doctor of Philosophy</td>
</tr>
<tr>
<td>PhG</td>
<td>Graduate in Pharmacy (equivalent to P that is used today)</td>
</tr>
<tr>
<td>PhSci</td>
<td>Pharmaceutical Sciences</td>
</tr>
<tr>
<td>PhTech</td>
<td>Pharmaceutical Technology</td>
</tr>
<tr>
<td>Phys</td>
<td>Physics</td>
</tr>
<tr>
<td>PMM</td>
<td>Pharmaceutical Marketing and Management</td>
</tr>
<tr>
<td>PrePro</td>
<td>Pre-Professional</td>
</tr>
<tr>
<td>Psy</td>
<td>Psychology</td>
</tr>
<tr>
<td>STC</td>
<td>Certificate in Science Teaching</td>
</tr>
<tr>
<td>TX</td>
<td>Toxicology</td>
</tr>
</tbody>
</table>

The Bulletin welcomes feedback from its readers on articles, the events that take place at on campus, or even about the University itself. Send them via fax, e-mail, or mail to:

BRIAN KIRCHNER
Editor, Bulletin
Phone: 888.857.6264
Fax: 215.596.7596
E-mail: editor@usciences.edu

Mail:
Letters to the Editor
c/o Bulletin
University of the Sciences
600 South 43rd Street
Philadelphia, PA 19104
Reunion 2013 is now a jam-packed weekend of events...all with you in mind.

USciences Reunion has expanded from one day to a full weekend of events designed to keep you connected, informed, and delighted! All alumni are invited, with special recognition for class years ending in 3s and 8s from 1943 through 2008.

Come back to remember, discover, and celebrate.

2013 REUNION
Now, make a weekend of it!

September 26–29, 2013

For the most up-to-date Reunion information, event schedules, accommodations, and to register, visit: usciences.edu/reunion

Questions? Call 888.857.6264.
Stay Connected with USciences!

Don’t wait for The Bulletin…get the latest University news and happenings 24/7.

Alumni Relations: usciences.edu/alumni

Bulletin: usciences.edu/bulletin

Athletics: devilsathletics.com

Giving: usciences.edu/give

twitter.com/USciences

youtube.com/USciences

facebook.com/USciencesAlumni

usciences.edu/allnews

usciencesblogs.typepad.com/experts

usciences.edu/USciencesAndYou

Sign up for the Insider monthly newsletter: usciences.edu/Insider