CULTURE OF DISCOVERY

USP Alumni Apply Themselves to the Patent Process

USP CELEBRATES ITS 185TH ANNIVERSARY
KEEPING A FINGER ON THE PULSE
A New Horizon for USP
FIRST PERSON
An Alternative Spring Break in Mississippi
Paging through this issue of *The Bulletin*, I feel both proud and humbled: Proud of our alumni who continue to forge new paths in their chosen professions and whose pioneering work is recognized by the awarding of patents. Humbled by the responsibility of ensuring future generations of students receive the quality of education, the inspiration and support, and the leadership skills that allow them to continue this great tradition. Celebrating 185 years of history reinforces this responsibility even as we recognize the impact our graduates have made on our world.

The successful implementation of our strategic planning is critical to our ability to foster future generations of innovators and leaders. Our obligation is to provide students with the opportunity to realize their potential, and students expect nothing less. Our commitment is to create an environment in which ideas and talents flourish among a community of students, faculty, staff, and alumni who exemplify the values of a USP education.

But we do not exist in an insular world. External forces exert their own pressures, and each day we face the challenges of attracting the best and the brightest students and faculty, of remaining in the forefront of scientific and educational technologies. Because of the growing opportunities for graduates in the health sciences, new programs are being developed quickly at competitive institutions. Over the next two years, it is likely that two local universities will launch their own pharmacy programs.

Mindful of our unique position as the first college of pharmacy in the nation, and realizing the importance of building awareness with prospective students and their families, we are undertaking an initiative to reinforce the stature of Philadelphia College of Pharmacy. Beginning in July, we will launch a major marketing and advertising campaign featuring students, faculty, and alumni of PCP and their accomplishments. Through this effort, we will enhance the visibility of PCP and the individuals who shape the reputation of USP’s flagship college.

USP has been fortunate to have attracted some outstanding academic leaders throughout its history, and I place a great deal of emphasis on carefully planning when a transition in leadership is anticipated. As many of you know, Dr. Barbara Byrne, vice president for academic affairs for the last nine years, has announced her impending retirement, effective June 30, 2007. Barb has brought an extraordinary level of commitment and dedication to her role, and she had led USP to new standards of academic excellence. The search for a new chief academic officer—a provost—is underway, and you will hear more about that in the coming months. Another key administrative leadership position that has been established is a senior vice president for marketing and development. A search is underway for that position also, and I anticipate announcing an appointment by the fall.

Once again, let me thank all of you for your ongoing support, manifest in so many ways, for the students and faculty of USP. I hope that many of you will be in attendance on September 14 as we dedicate the new Science and Technology Center, and I look forward to expressing my gratitude personally on that happy occasion.

With warm regards,

PHILIP P. GERBINO P’69, PharmD’70
President
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In 1421, Renaissance architect Filippo Brunelleschi created a method of transporting marble more cheaply via a paddleboat. His idea earned him the right to burn any ship borrowing his design for three years. Perhaps this was the first patent.

Encouraging scientific discovery by providing patent protection has been part of United States history since the birth of the nation—Samuel Hopkins of Philadelphia received the first federal patent in 1790, at the cost of $4, for a new method of making soap and gunpowder. And our alumni have the patents to prove it. Encouraging scientific discovery has been part of USP since its inception as well. Perhaps this was the first patent.

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chemistry curriculum. The next logical step was a degree in medicinal chemistry. My USP experience was a critical part of maturing into an introspective pharmacy student.

Dr. Wolfe has two patents and has established a new lab at Harvard specifically to address the problem of amyloid peptides. The first patent is for an agent that has shown great promise in reducing the amyloid peptides in animal models. The second patent is for a new class of compounds that can inhibit the aggregation of amyloid peptides.

Both of Dr. Wolfe’s patents are for molecules or processes that work to block β-secretase, one of two proteases that produce the amyloid peptide. “In retrospect, we now know that the molecules covered by these particular patents are not likely to become useful drugs of themselves because they completely block the protease, which has important normal functions in the body,” he says. “So the protease should ideally be tweaked to lower the amyloid peptide while not blocking the essential activity.”

We have recently identified molecules that do just that, and our newest patent is for a process that allows us to modulate the activity of these molecules. If successful, this could lead to the development of new drugs that are effective in treating Alzheimer’s disease.

Both of Dr. Wolfe’s patents are for drug delivery systems. They involve a gelatin-based formulation that can be used to deliver therapeutic compounds to specific areas of the body, such as the brain.

Dr. Wolfe’s research is not only focused on developing new drugs for Alzheimer’s disease, but also on understanding the underlying mechanisms of the disease. His work is helping to advance our understanding of the disease and could lead to new therapeutic options in the future.
On February 23, USP celebrated its anniversary of the day the University was first founded as Philadelphia College of Pharmacy (PCP) 185 years ago—February 23, 1821. The annual event, known as Founder’s Day, commemorates the legacy of PCP and the growth of what was once a small college into what is now a vibrant university.

The practice of pharmacy in the nineteenth century still relied heavily on centuries-old folk wisdom passed down from apothecary to apothecary. In 1821, 68 prominent Philadelphia apothecaries met in Carpenters’ Hall to establish improved scientific standards and train more competent apprentices and students. They pledged “to invite a spirit of pharmaceutical investigation” and to guard the public from “the introduction of spurious, adulterated, deteriorated, or otherwise mischievous articles.” One year later, they organized and incorporated the Philadelphia College of Pharmacy—the first college of pharmacy in North America. The group ushered in a new era in the practice of pharmacy—the identification, selection, compounding, and analysis of drugs—and laid the foundation for a legacy of future advances and discoveries.

Many revolutionary discoveries contributing to today’s practice of pharmacy were made by PCP graduates. More recent graduates of USP have continued this legacy and are founders of their own pharmaceutical companies or companies serving the pharmaceutical industry.

The day-long celebration commenced at noon with birthday cake in the cafeteria. President Gerbino joined students, faculty, and staff for a slice of the birthday cake. A disc jockey and birthday decorations created a festive mood.

Later that day, the 185th birthday celebration continued with a reception in the ARC. More than 150 students and staff gathered in the Mercadante Atrium for a birthday party featuring “mocktails,” sandwiches, snacks, and fun. USP’s own mascot, Drake even made an appearance.

A dance party followed the reception in the gymnasium featuring Jason Douglas’ Danceadelphia. USP’s 185th birthday party was an event to remember!
“We have an obligation to live up to our legacy,” says President Gerbino. “What better time than our 185-year celebration to work together in fostering new research and educational innovations sustaining University of the Sciences in Philadelphia’s reputation and niche as a leader in educating tomorrow’s scientists and health care professionals.”

The mammoth legacies of graduates such as ELI LILLY ’07, ROBERT MCNEIL ’18, JOHN WYETH ’44, and SILAS M. BURROUGHS 1877 are well-known within the USP community. They are joined by recent alumni who concur that they learned valuable leadership skills at USP. Rapid advances in the health and science marketplace, a change in the way higher education operates, and increasing competition creates new challenges for USP. Policy makers are demanding more accountability from higher education. Colleges and universities across the nation are using more contemporary business principles rather than traditional academic models. To retain our culture and philosophy, faculty and administrators need to be equally flexible to meet the needs of tomorrow.

President Gerbino and his team recognize that not only does USP have a remarkable legacy but the institution’s growth continues to parallel the rapid growth of the region’s science, pharmaceutical, and biotechnology industries. The Greater Philadelphia region was recently ranked fifth nationally for strength in the life sciences industry. A recent Brookings Institution study named Philadelphia second only to the New York metropolitan area as a center for pharmaceutical research with firms like GlaxoSmithKline and Merck that each have a significant presence in the region. In our 185th year, USP still has its finger on the pulse of these industries. Our students remain some of the most marketable, and remarkable, graduates in Philadelphia.

“Our future students need to be the best,” says President Gerbino. “We want them to excel during their college career at USP and evolve into the innovators and leaders our alumni have been and continue to be.” To ensure USP keeps pace with the dynamic marketplace that encompasses the pharmaceutical, biotechnology, and health care industries, President Gerbino took the lead in building upon the University’s existing strategic plans.

“My executive management committee (EMC) joined me for a series of brainstorming sessions to try to articulate the concepts that we need to address as we plan and strategize for a competitive and rapidly changing environment,” he says. “My role was largely conceptual—I aimed to just keep everyone focused on what USP should aspire toward, ideologically, and within the context of our mission.”

With these issues at the forefront, President Gerbino and the EMC collaborated and crafted eight concepts, or Vision Statements (see sidebar) that would be critical to enhancing the value of USP. A statement of focus or goal for each of the areas was crafted. The Vision Statements build upon the framework of Vision 2010 and provide a springboard to the future.

To ensure that the process benefited from expert guidance and support, President Gerbino engaged Goldstein & Associates, a consulting group with extensive experience developing strategic planning for higher education. The group consulted with the EMC in developing the planning process itself and in developing the vision statements into more fully articulated charges for the working committees. SARAH GALLAGHER, assistant vice president & executive assistant to the president, who is a member of the EMC, is working closely with Goldstein & Associates in managing the process.

continued on next page

VISION STATEMENTS

■ Community Involvement: The University participates as a positive influence and partner in the community.

■ Culture of Community: Foster a culture of community where respect, civility, collegiality, collaboration, and creativity are practiced and valued.

■ Education at USP: USP students will become professionals distinguished by leadership, innovation, and excellence in a dynamic and diverse global society.

■ Marketing and Branding: Create a culture of brand behavior and integrated marketing throughout the University.

■ Market Responsiveness: Develop market-responsive curricula, programs, collaborations and partnerships, and centers of excellence that enhance the University’s mission, vision, and social benefit and become sources of revenue. Be prepared to identify and react to opportunities resulting from changes in the structure and environment of higher education, such as the consolidation of institutions and programs.

■ Philanthropy: Have the community realize that philanthropy is relationship building and is everyone’s responsibility. We must create a culture of philanthropy within the University community, its students, parents, alumni, friends, corporations, and foundations.

■ Research: Create a nucleus or core research environment that inspires students and faculty toward research and scholarly endeavors in extramural funding, and develops intellectual property that provides or enhances social benefit.

■ Stewardship and Effectiveness: Continue to create the University of the future. This includes its physical nature and incorporates the concepts of stewardship of our resources, efficiency, effectiveness, quality, value, and cost of all aspects of our operations.
The practice of pharmacy, physical and graduates willingly take the lead to advance to the University over competitors will be weighed the issues surrounding today’s USP. It became clear to the team, as they “We are developing ways to build positive relationships across campus. Good community relationships are more than just a good idea—they’re constituents, including students, faculty, staff, and alumni, are helping us address that will enable us to move forward on all fronts. Key for a stronger USP. Our focus has been to identify systemic issues that our definition of ‘community’ to include not only our neighbors and community relationships across the campus. We will be continuing to be a leader in the area of research and scholarly activity.” Market Responsiveness “We will identify strategies to help the University benefit from changes in the higher education landscape. Opportunities may include new programs, strategic partnerships, academic partnerships, or centers of excellence.” Education “Our committee is focused on identifying strategic initiatives to ensure that USP is highly motivated and engaged students, that our educational programs are rigorous and relevant, and that our students graduate not just with the knowledge and skills needed to succeed in their careers but also with the skills necessary to be leaders and innovators.” Culture of Community “We are developing ways to build positive relationships across campus for a stronger USP. Our focus has been to identify systemic issues that we can address that will enable us to move forward on all fronts. Key constituents, including students, faculty, staff, and alumni, are helping to foster a positive community environment on campus.” Marketing and Branding “In order to remain competitive, USP will need to distinguish itself with a strong brand identity that everyone in the University understands, embraces, and loves every day. USP’s brand must be a promise of value and a quality education.” It became clear to the team, as they weighed the issues surrounding today’s USP, that what will attract tomorrow’s students to the University over competitors will be our continued promise of value and quality of education, proven by the success of our alumni and students. They will see our graduates willingly take the lead to advance the practice of pharmacy, physical and occupational therapy, research, and health policy and in all areas of the life and health sciences, filling a growing need in these industries where job opportunities outnum- ber qualified applicants.

**Community Involvement**

“Good community relationships are more than just a good idea—they’re an obligation for any university in an urban setting. We will take that philosophy a step further, focusing in a very active way on expanding our definition of ‘community’ to include not only our neighbors and community organizations but also public health centers and local schools, promoting even greater interaction between the University and the community.”

**Culture of Community**

“We are developing ways to build positive relationships across campus for a stronger USP. Our focus has been to identify systemic issues that we can address that will enable us to move forward on all fronts. Key constituents, including students, faculty, staff, and alumni, are helping to foster a positive community environment on campus.”

**Education**

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**Marketing and Branding**

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**Research**

“Although people clearly recognize the fact that USP has a long tradition as an educational institution, it is less well known that we have been a leader in research, as well. Our committee will be devising strategies that will enable the University to continue to be a leader in the area of research and scholarly activity.”

**Market Responsiveness**

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**Education**

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**Marketing and Branding**

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Instead of going to Cancun or South Padre Island, 16 USP students chose to spend their spring break doing volunteer hurricane relief in Waveland, Mississippi. Organized by the University’s Center for Community Connections, the weeklong volunteer effort was billed as an “Alternative Spring Break.” I chaperoned on the humanitarian mission with ELIZABETH GABLE, director of USP’s Center for Community Connections, and PATTY O’HAGAN, administrator for student activities. While other college students across the country dedicated themselves to advancing the more debouched aspects of a traditional spring break, these students committed themselves to a week of intense 

NASCAR speeds ripped through this Gulf Coast community of working- and middle-class Mississippiians, leaving complete destruction and vulnerability in its wake. “When we were there we saw dead animals rotting in trees, cars on top of houses, houses on top of cars…” her voice trailed off. She wanted to tell me what to expect. She wanted me to be prepared. She wanted me to be able to prepare the students for what they might encounter. But she couldn’t. After my week “on the ground,” I understood. Sometimes, words and pictures just don’t cut it. Sometimes what’s most profound is how a place feels, how it squirms into your consciousness, how it changes your life. Those kinds of places cannot be described—they can only be experienced. Realizing the silence, Julie abruptly asked where I was staying. “We’re at a volunteer base camp called the 1 Care Village. The Moorell Foundation runs it. I’m told we’ll be eating camp food and sleeping in tents.” “Well, if you’re in tents, you’ll fit right in. There are a lot of folks around there who don’t qualify for trailers. They’ve been in tents since September,” she said. During our trip, Steve Boussever, the executive director of Community Collaborations International (CCI), straightforwardly expressed the collective attitude among the residents of Waveland trying to rebuild. “We’re the only ones,” he said. “We’re the only people who can show up at someone’s door today, ask them what they need help with, and return tomorrow to get that job done.” He has been directing the volunteer efforts of college students in Waveland since the storm passed in September. CCI was responsible for coordinating all our volunteer activities and providing our accommodations. Working with a consortium of relief providers, CCI is targeting our volunteer efforts and providing our volunteer lawyers. As hurricane relief volunteers, we worked in Waveland for seven days. During that time, I worked alongside some of the most dedicated, civic-minded students I’ve ever encountered. Over the course of the week, our students worked together with nearly 80 students from five or six different universities, including groups from University of Maine, University of South Dakota, and Loyola College in Maryland. Each day, we were directed to another site. Some days it was a long stretch of sand strewn with the swollen artifacts of count- less homes, chunks of memories returned to the land after chewing in the sea that stole it. Other days, the site was nothing more than the tattered remains of a home, or a home demolished, or a home to be demolished. In a sense, it didn’t matter where we were sent, the work was nearly always the same: attempt to create order from chaos. The jobs were varied and plentiful. One day might be spent dragging bits of water- 

logged debris, some as large and as heavy as a refrigerator, to a pile at the side of the road. The next day you might find yourself gutting a home while the owner paced the yard frantically, wracked with anguish and grief, unable to watch the demolition. Other days might be spent in an elementary school working with children while the few remaining teachers taught up on their paperwork or even processing volunteer work orders or coordinating intake for volunteer lawyers. Sharing the tragedy and hope of the resi- dents’ lives was half of our volunteer experience. After a few days, the stories I collected began to stack up in my mind like little mountains of narrative rubble. Like the piles of debris that dotted the landscape through- out Waveland, the stories were eerily similar in scope and inspiration. They are familiar to anyone who cared to watch the devasta- 
tion unfold on CNN. The stories matched the images of so many news reports during the storms: elderly women clinging to trees, people stranded on roofs, parents desper- ately seeking a lost child, someone reaching out across raging flood waters to save a complete stranger. When a person from Waveland shares his or her story with you directly, however similar it may be to others you’ve heard, it anchors you to the people and to the place. It seemed as though the stories were the only way we, as volunteers, could hope to unite the tragedy with the aftermath. It was also the most direct way for the survivors and the volunteers to disengage from the damage that surrounded them and to connect with the hope and inspiration that welled within them. One USP student, who hails from New York, confided to me that her experience came into focus when cleaning debris from the home of a local firefighter. Among the many belongings she retrieved from the wreckage was a ball cap embroidered with “FDNY.” Later, she learned that the fire- fighter had volunteered with CCI before September 11. “At that moment, I felt a connection,” she said, “and I under- stood exactly what we were doing and what it meant.” For me, it came after a day full of slogging
debries across 25 yards of sandy beach to piles at the edge of a road. It was a simple “thank you” offered by an old timer in a 

“Sometimes what’s most profound is how a place feels, how it squirms into your consciousness, how it changes your life. Those kinds of places cannot be described—they can only be experienced.”

SHAWN FARRELL

First Person

An Alternative Spring Break in Mississippi

BY SHAWN J. FARRELL

voluntersim in some of the worst conditions in the country. Few of us were prepared for the experience. Before I left for Waveland, I had a long conversation with my younger sister, Julie, who works for the Red Cross in our home- 
town, Fort Worth, Texas. After spending months working with evacuees, she was sent to New Orleans for a week to help with the volunteer efforts organized for Mardi Gras. As she was leaving the Gulf Coast, I was arriving. “New Orleans is bad, but you’re going to the hardest hit area,” she said. I could tell she was working up to a warning. New Orleans may have flooded, but Waveland was nearly swept off the map. Seventy-five-foot waves and winds topping
Climbing to Extraordinary Heights

L.H. BUCK HEADINGS, JR., ’69 is no ordinary person, and he does many extraordinary, some would say, unbelievable, things.

The pharmacist and admitted adventure travel junkie outstanding all of his past exploits when he summited Mount Kilimanjaro, the world’s tallest freestanding mountain.

It was a personal odyssey for Buck. He did it for himself, to prove he had the grit and determination it took to scale a 19,340-foot mountain. He also did it as an Eagle Scout, to raise money for boy scouts programs in his hometown of Lewistown, Pennsylvania, as well as for his late father and another late longtime friend.

“No matter how old you are, with a little training and prepara-
tion, you can do almost anything,” he said. “You need the will to make life happen.”

It was a will that would be sorely tested at times during the climb, even for a man who has made it his personal mission to accomplish all of the adventures listed on the Travel Channel’s “101 Things You Should Do Before You Die” list.

“Climbing Kilimanjaro is like hiking from the equator to the north pole in five days. You go through five ecosystems.”

BUCK HEADINGS, P’69 (left) with Mount Kilimanjaro guide Ian Minjas at the summit of the mountain, October 6, 2005.

Did each day become more difficult, as the thinning air caused physical and mental fatigue. The guides warned him about the final day. “They said it would be the longest day of my life. To think that all my preparation and training came down to this one day.”

He would sleep for only two hours out of 24 that day. The final ascent began at 10 a.m. and continued until they all reached the summit at 8 a.m. They spent little time basking in their achievement.

“You are mentally and physically exhausted. Your mind plays tricks because of the altitude. It is hard to think and reason,” Buck said.

The group stayed on the summit for 40 minutes before turning around to begin their descent.

Buck encountered headaches and some nausea along the way but did not suffer from more severe forms of altitude sickness.

Despite the “long, painful” trek down the mountain, Buck and his comrades greeted everyone coming up the mountain, something they vowed to do when they began their journey and no one spoke to them. They called out greetings of “jumbo” or “karibu,” which mean hello and welcome in Swahili.

Upon completion of the climb, Buck thought about the many Boy Scouts who would be able to go to camp from the $2,600 he raised by soliciting donations before the trip.

“This is my way of giving back to the Boy Scouts, thanking them for the time and energy of my leaders, as well as current and future leaders,” Buck said of his decision to link his climb with a fund-raising effort.

The climb is something Buck will never forget. “Would I climb Mount Kilimanjaro again? You betcha.”

When KEITH MARMER MPT ’89, DPT ’04 was attending classes at USP becoming an inventor was the last thing on his mind. How did this former PT in sports medicine become one of the Philadelphia Magazine’s “100 People to Watch” in 1996? He quips, “It all just came my way and started steamrolling.”

Marmar invented DV2-FCE technology. While functional capacity evaluation (FCE) was already in use in the physical therapy industry as a method of measuring movement, Marmar improved the technique by inventing and patenting a computerized video motion analysis system to measure FCE. He formed his company, PhysioMetrics, Inc., to deliver this revolutionary computer system.

The system uses images captured by an infrared camera to measure an injured person’s ability to perform tasks. “It analyz-
ses human function through virtual reality,” Marmar explains.

Soon after the idea for videotaping human movement came to Marmar, he realized he needed to make the system mobile so he could sell it: “One day I decided to take a room full of the equip-
ment down to my basement and rebuild it to fit into the trunk of my car,” recalls Marmar. His efforts earned him three patents: one for the computerized system and two others for making the system mobile.

When PhysioMetrics was founded it was the first health care services company to provide mobile physical analysis testing services and consulting. It was at this point that Marmar authored the technology’s clinical training manual and created a certification program in Functional Capacity Evaluations. “PhysioMetrics has conducted extensive research,” says Marmar. “The analysis of human movements by way of algorithms determines both functional capacity and level of effort. Our results are based solely on objective, factual data.” The data evaluates an individual’s functional level of work and ability to complete daily activities.

The system caught on quickly in the insurance industry. “I think the reason the company took off so quickly is simply because I loved what I was doing.”

Today, PhysioMetrics has evolved into an entity that trains other physical therapists to use DV2 technology and has employers and licensees in 19 states. Current clients include WalMart, UPS, CVS, AIG, and Liberty Mutual. Marmar’s role now is to ensure the company has afforded him the opportunity to step back from daily operations and consult with other health care businesses. He is currently focusing on business development consulting for Specialty Diets in Malvern, Pennsylvania. This newly formed company is benefiting from Marmar’s vision and strategic plan for entering its target markets through a world-class sales and marketing campaign.

At 40, he is devising some ideas for his future. He’s been an adjunct professor of physical and occupational therapy at the University since 1999 and plans to continue in that role. “I enjoy the class-
room time but also the course curriculum development and administrative roles,” Marmar says. He is even taking on USP interns. “I just gave an internship to a pharmaceutical marketing and management student. I think she’ll be terrific.”

He also plans to continue to lecture nationally. He will be presenting his most recent research, titled Differences in Reliability between Generally Accepted Measures of Effort in Functional Capacity Evaluations, at the American Physical Therapy Association Annual Conference this summer. Publication of the research is pending.

He also noted that he is excited about the prospect of helping to attract more research and corporate activity to USP. “The personal-
ized attention and the chance to network during my years as a student helped me develop strategic thinking and enhance my best skills. I am very motivated to help USP maintain its role of produc-
ing movers and shakers in the health care industry.”

Marmer served as CEO of his company from 1996 to 2003 and as chief operations officer through 2005. As CEO, he achieved significant annual increases in revenue for several consecu-
tive years and secured three rounds of venture capital funding for execution of a national expansion strategy. He forged a major partnership with Deloitte Consulting and implemented comprehensive HIPAA policies and procedures. “I think the reason the company took off so quickly is simply because I loved what I was doing.”

Marmer took off so quickly is simply because I loved what I was doing.”
Scholar-Athlete Soars On and Off the Court

When LEAH SHUMOSKI Pharm’07 was five, she told her mother she wanted to trade in her dance shoes for a softball glove. Nearly twenty years later, the scholar, athlete, and future pharmacist is an honor student at USP, the Central Atlantic Collegiate Conference (CACC) Women’s Basketball co-Player of the Year, and the first player in the CACC to earn four Player of the Week awards.

A high energy level, combined with a competitive spirit that would dazzle even a pro athlete, gives her the ambition to succeed. “I manage to do all the things I love to do because I know I may not have a second chance,” says Shumoski. “This is it; I’ll only be in college once.” She admits that being in competitive situations drives her to succeed like nothing else.

As a senior forward on the USP women’s basketball team, she is the first Division II women’s player to amass 1,800 career points, 900 rebounds, 230 assists, 250 steals, and 100 blocked shots. Additionally, she is the first player in USP history (male or female) to record to 1,500 points and 1,000 rebounds. She helped lead the Devils to a 23-8 record. She also helped lead USP to its second CACC championship in three years and to earn a place in the NCAA Division II national championships.

With two older brothers who were sport enthusiasts, Shumoski grew up a tomboy. Athleticism runs in her family, but so does an affinity for science. Her father, a chemistry and physics teacher, encouraged her from an early age to excel in science. Her oldest brother, Zach, who earned a degree in biology, returned to college at USP to pursue a second degree in pharmacy. They often attend classes together and push each other to keep going. “My brother is my role model,” she says. “Family ties keep me going. I really don’t want to disappoint my parents.”

Gifted physically, she demonstrates her love of the game by keeping fit and healthy and being prepared for practices. “As a leader on the team, I encourage my teammates to come to practice ready to work hard but also have fun.” She noted that while college life should be fun, dedication to the game of basketball and academic achievement need to come first. “You may let yourself down, but also you let the whole team down when you’re not at your best.” She keeps in mind that there is always someone better, and her parents’ encouragement to succeed like nothing else.

Shumoski recognizes how her focus on teamwork and her drive to serve others will benefit her in the pharmacy profession. “I can imagine how being part of a team of doctors and nurses in a hospital setting would require an understanding of collaborating with others toward a common goal—in this case helping the patient.” She believes her ability to communicate well and motivate others will be put to good use in her future profession.

Shumoski will graduate in May 2007 and looks forward to a fulfilling career as a practicing pharmacist. If her will to succeed at USP is any indication of her future, she will surely become a leader in the industry.

SPORTS IN SHORT

Women’s Sports Teams Honored with Banners in ARC

On February 23, USP celebrated recent championships won by the women’s tennis and cross country teams. Banners in honor of the championships were revealed at a pep rally in the Bobby Morgan Arena. Over 100 students and staff joined President Gerino and Bob Heller, assistant director of athletics, for a fun-filled evening of cheering on the teams followed by a reception in the atrium of the ARC.

The USP women’s tennis team captured the Central Atlantic Collegiate Conference (CACC) championship by defeating Georgian Court University, 6-3, to earn the conference’s first-ever women’s tennis automatic bid to the NCAA championships.

The USP women’s cross country team outscored the nine other CACC schools competing at the championship meet, winning the title by two points over Felician College and three over Georgian Court University. USP competed in the NCAA East Regionals for the third consecutive year, finishing 16th overall, their best finish ever in the event and the best finish ever by a CACC school.

This was the first CACC Championship won by either team.
**BULLETIN BOARD**

**One Step Closer to a Growing Profession**

Twenty physical therapy students celebrated a milestone in their careers on February 14 at the Physical Therapy White Coat Ceremony. The students donned white coats and recited the Oath of a Health Professional, a gesture to reinforce their commitment to working with patients compassionately and to enhancing their health and well-being. The ceremony also marks a transition into the students’ final clinical rotations prior to their May 2006 graduation.

With a shortage of physical therapists on the horizon, the students will be filling a growing need in their profession. Currently, the number of jobs exceeds the number of qualified professionals in the field. Future job opportunities include private practice and positions in doctor’s offices and fitness facilities. The aging population will create an increasingly strong demand for therapy in hospitals, rehabilitation settings, and home health care.

Additionally, a trend toward wellness and prevention will spur a demand for physical therapists in organizational/corporate settings. Many companies utilize physical therapists to develop on-site fitness programs or teach safe work habits to reduce workplace injuries.

Physical therapists will notice a trend toward continuing education to keep stride with new advances and technologies.

---

**Oath of a Health Professional**

At this time, I vow to devote my professional life to the service of all humankind through my chosen health profession.

I will consider the welfare of humanity and relief of human suffering my primary concern.

I will apply my knowledge, experience, and skills to the best of my ability to assure optimal therapeutic outcomes for the individuals I serve.

I will keep abreast of developments and maintain professional competency.

I will embrace and advocate for positive changes in health service delivery systems.

I take these vows voluntarily with the full realization of the responsibility with which I am entrusted by the public.

---

**Renowned Physicist Speaks on Campus**

On February 23, 2006, Sylvester James Gates, Jr., PhD, delivered a talk titled, “Einstein’s Third Millennium Question: Is Cosmic Concordance in Concomitance with Superstring/M-theory?” as part of the University’s World Year of Physics lecture series.

Gates presented an introduction to superstring/M-theory through the use of representative imagery. He also discussed cosmic concordance, including dark matter, dark energy, the CMB, and baryon asymmetry.

A reception followed the lecture, giving all the attendees the opportunity to meet Gates and discuss physics. A special group of advanced placement high school students (pictured) traveled from Central Pennsylvania to attend the lecture, see the campus, and talk with faculty and Gates about career options.
New Majors Expand Career and Education Options

USP recently introduced two new bachelor of science degrees designed to give students more options as they choose careers or continue their education. For fall 2006, students can choose fitness and health management or humanities and science. Both programs reflect the University’s focus on preparing its students to gain employment or for entry into graduate programs.

Fitness and Health Management

Housed in the College of Health Sciences, the program provides a foundation for graduate degrees or careers in athletic training, sports administration, fitness/wellness, health education, and other related fields that combine health sciences with exercise physiology, kinesiology, and sports psychology. Rather than focusing on illness and pathology, the curriculum focuses on the prevention of health problems.

“Many incoming students have expressed interest in a program that integrates their interest in sports, recreation activities, sports management, health, and wellness,” says RUTH L. SCHEMM, EdD, dean of the College of Health Sciences at USP. “The program is unique in that it features two semesters of supervised fieldwork experience and a capstone course designed to integrate all aspects of the major.”

Program requirements include courses in occupational therapy, social sciences, pharmacy marketing and management, and biology. Many of the fitness major courses will be open to the USP student body as electives. Additionally, service learning and civic engagement will be important in the curriculum. An internship requirement will feature active, student-centered learning so program requirements are integrated into real-world experiences.

Employment opportunities for athletic trainers, health educators, and fitness and wellness experts are expected to grow faster than average through 2014. Job growth will be concentrated in health care industry settings such as ambulatory health care services and hospitals. Dramatic growth in all areas of health care, but especially the preventative areas, is the result of advances in technology, an increasing emphasis on preventative care, and an increasing number of older people who are more likely to need medical care. Additionally, employers are realizing the benefits of providing preventative health care to employees and are anticipated to offer more in-house fitness programs well into the future.

“Recent articles on the growing numbers of aging adults, obese children, and people with chronic health needs all serve as indicators that the growth in fitness and wellness programs will expand in the future,” says Dr. Schemm.

Humanities and Science

The interaction between courses such as biology and chemistry and courses in history, literature, and other humanities is the basis for this new major at USP. The program was created to provide a strong foundation in the natural sciences combined with in-depth study in the various disciplines of the humanities. The program is housed in the Mischer College of Arts and Sciences. Graduates will have knowledge and awareness of issues prevalent in medicine, law, pharmacy practice, and other health and science fields.

Students will complete 32 credits in natural sciences and a minimum of 42 credits in humanities. “What is unique about this curriculum is the amount of science required alongside a full liberal arts course load,” says C. REYNOLD VERRET, PhD, dean of the Mischer College. “Broadening a student’s exposure to literature, languages, philosophy, and the arts combined with a substantial science background makes them more marketable to businesses and better prepared for a wide range of graduate options.”

Students have an option to customize a major based upon a topic or theme of their choice. “Our students typically have a strong sense of purpose coming to USP and are knowledgeable about issues in their area of interest,” says Dr. Verret. He also noted that since a large percentage of USP graduates pursue advanced degrees, the major will prove to be a popular background for medical, dental, or veterinary school as well as law school, library science, or other master’s and doctoral programs. During the course of study, every graduate will complete the necessary requirements for application to medical school and various other graduate programs.

Job growth will be concentrated in health care industry settings such as ambulatory health care services and hospitals.

“if the natural sciences can be successfully united with the social sciences and the humanities, the liberal arts in higher education will be revitalized...”

E. O. WILSON, CONSCIENCE: THE UNITY OF KNOWLEDGE

ALUMNI EVENTS

On Feb. 25, alumni met at the ARC for a basketball double header. The Devils played Holy Family University. From left, first row: Chauvinette Clayton PMW’03; Matt Crawford PMW’03; Andrew Kennedy P’99; Jay Wood PharmD’03; Melissa Bradford Wood MPT’01; Row 2: Mark Tacalosky P’97; PharmD’99; Steve Murray P’98; PharmD’99; Len Rosenberg P’80; Row 3: Mike P’00; Jay Wood PharmD ’03; Melissa Bradford Wood MPT’01. Row 2: Mark Tacalosky P’97, PharmD’99; PharmD’99; Steve Murray P’98; PharmD’99; Len Rosenberg P’80. Row 3: Mike P’00; Jay Wood PharmD ’03; Melissa Bradford Wood MPT’01; and Chris Brandt PMW’05.

President Gerbino received the PLS Leadership Award at the Phi Lambda Sigma Pharmacy Leadership Society Awards Dinner in San Francisco on March 18.

Stacy M. Rosemarin P’83

President Gerbino pictured with Jerry Mazzucca P’67.

A group of students congratulate President Gerbino on his PLS Leadership Award in San Francisco.
The PCP Alumni Association hosted a “Taste of Philly” reception on March 20 in San Francisco. Attendees enjoyed Philly favorites including cheesesteaks, soft pretzels, and Tastykakes (photos below).

SYMBOLS
Faculty and staff ♦
Alumni ≥
Current Student ≤

COLLEGE OF GRADUATE STUDIES
Presentations
RICHARD STEFANACCI
• “Assisted Living Facilities: Innovative Models of Care,” “Management of Polypharmacy Issues in the Care of the Elderly,” and “Medicare Part D: Impact on LTC” at the American Medical Directors Association Annual Conference in Dallas, TX, March 15–19.

Publications

RICHARD STEFANACCI

• “Ethical Dilemmas—Caring to Know” (physician attitude about Medicare Part D), Caring for the Aged, 6(2):26, 2006.
• “Managing Parkinson’s Disease: The impact of Medicare’s new prescription drug benefit,” Schwarz Pharma Parkinson’s Report, winter 4–6, 2005.

COLLEGE OF HEALTH SCIENCES
Grants
MICHELLE COHEN, ANNETTE IGELASH, received $2,000 support to faculty to teach survival skills and ethics, Subaward 104409-2, under the NIH Prime Award 5 R25 NS39805-05 to University of Pittsburgh, September 1, 2005–February 1, 2006.

Poster Presentations
MICHELE MULHALL, “Students as Agents of Change: Using Triple-Entry Journals in Clinical Education” at the Combined Sections Meeting sponsored by the American Physical Therapy Association in San Diego, CA, on February 1.


DEPARTMENT OF ACADEMIC ADVISING
Presentations
SUZANNE TRUMP, “Teaching Change on Your Campus” at the National Academic Advising Association Region 2 Conference in Lancaster, PA, on March 23.

SCHOLARLY ACTIVITY
Mid-Atlantic Region to the USP Career Services Centers in the
which brought 42 representatives
of a Merck/AAAS grant.

Presentations

LEN FABER*, ROSS RADISH*, “Cross Campus Collaboration” at the 2006 Delaware Valley Student Affairs Conference in Lafayette Hill, PA, on February 17.

PATRICIA PETERSON* et al., “Diversity in the Career Counseling Field—Thirty-Five Years—How Far We Have Come” at the Thirty-Fifth Year Anniversary Conference of Mid-Atlantic Career Counseling Association in Lancaster, PA.

ROSS RADISH*, “Our Campuses to Our Communities—a Metro-
politan Experience” at the ACPR Annual Convention in Indianapolis, IN, on March 21.

RACHEL YUDELL recently host-
ed an Eastern Association for Col-
eges and Employers workshop entitled “Generating Revenue for Career Services Centers.” Yudell was part of a three-member team who organized, planned, and implemented this event, which brought 42 representatives from other college and university Career Services Centers in the Mid-Atlantic Region to the USP campus.

MISHER COLLEGE OF ARTS AND SCIENCES

Awards

VOJSLAVA POPHRISTIC received an award from Colgate- Palmolive Company for “Structure and Dynamics of Zr(IV) Ion and Zr(IV) Clusters in Solution: A Computational Study.”

JACQUIE SMITH* was awarded the President’s Special Recognition Award by the Pennsylvania Association for Educational Communication & Technology, for outstanding service in the field of instructional technology initiatives for the Commonwealth.

Grants

ZHUJIN LI* received a two-year grant for $60,000 from the Pharmaceutical Research and Manufacturers of America.

Poster Presentations

KATE BEISHLHINE, JOHN NIKELL, “Improving the Gas Chromatographic Method for Blood Alcohol Analysis. Determination of Optimum Retention Gap Length, Temperature, and Pressure Settings” at the annual meeting of the American Association for the Advancement of Science in St. Louis, MO, February 16–19. Research was supported by a Merck/AAAS grant.

STEPHEN MOELTER*, et al., “Effect of Thought Disorder on Frontotemporal FMR1 Activation During Divergent Word Production in Patients with Schizophrenia” at the annual meeting of the Society of Biological Psychiatry, Toronto, Canada, on May 18. [Abstract, Biological Psychiatry.]

“ Formal Thought Disorder and N400 Repetition Effects During List-Learning in Schizophrenia” at the annual meeting of the International Neuropsychological Society in Boston, MA, on February 4


Professional Activity

WARREN HOPE* was appointed to the newly formed Editorial Advisory Board of Greenwich Exchange, publisher of educational study materials in literature. Greenwich Exchange publishes five of Dr. Hope’s books. He attended the first meeting of the board over spring break in London.


KIM ROBSON* finished an independent adventure short film Forget Us Our Desto in January. 

• Performed at the Adirondac Theater’s Playground in the Brick Playhouse production of Night of a Thousand Plays, in Philadelphia, PA, on March 15.

• Published in Radio Times at the Society Hill Playhouse in March.

GRANTS

“USP Bulletin: Scholarly Activity Page 25

DEPARTMENT OF INSTITUTIONAL ADVANCEMENT

Publications

GUILLERMO MOYNA*, et al., “Use of Local Liquid in the Study of Fruit Ripening by High Resolution 13C NMR Spectroscopy: Green Salads Meet Green Bananas,” Chemical Communications, 714–716, 2006. Two “news-type” notes showcased this article: Chemical and Engineering News from ACS and Chemical Science from RSC. Also, the paper was selected as a “Hot Article” by the RSC editorial staff, and it was the fourth Most Cited Chemical Communications article in the month of January.


PHILIP GEMHAN*, et al., “Ac-

am in Library Journal, 135(5), 74, March 15.


MALGNANT MTHILITY, MALIGNANT pubilshing, West Conshohocken, PA, on March 16.


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Publications


• The Review of Natural Products, coeditor, Facts and Compari-
sions, 2005.


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1936

EARL M. CHAMBERLIN C'36 (MA'37, Boston University; MA'44, PhD'46, Harvard University) retired as senior director of process research at Merck & Company in Rahway, NJ, in 1980. Since then he has taught chemistry to aspiring nurses at Union County College and volunteered at his local hospital for 23 years. In 2002, he and his wife sold their home of 58 years and now live in an apartment in Westfield, NJ.

1956

JACK I. BOYLAND P'56 (MB'65, Fairleigh Dickinson University) is retiring after more than four years of volunteer service in the northwest New Jersey chapter of the American Red Cross Disaster Action Team. He is a senior medical information specialist with Norvatis and lives in Morristown, NJ.

1964

JOEL S. STEINBERG B'64 (MS'68, Hahnemann University; PhD'73), Medical College of Pennsylvania; MD'76, Temple University) has coauthored a book on Guillain-Barre syndrome and variants for the American Academy of Neurology. Publication is expected in the spring of 2006.

1965

RICHARD KOSTREWCA C'65, MS'67 (PhD'70, University of Pennsylvania) was appointed doctor honoris causa by the Medical University of Silske in Poland in June 2005.

1967

GERALD A. "JERRY" MAZZUCCA P'67 (MD'76, Lincoln University) was installed as the 2006 president-elect of the California Pharmacists Association during its Synergy 2005 Annual Conference.

1974

ARTHUR I. JACKNOWITZ Pharm'74 was named Most Loyal Faculty Mentor, an honor West Virginia University reserves for those who exemplify faithfulness to the ideals and goals of the university and exhibit support for its activities and operations through leadership and service. Art has served as a faculty member at WVU since 1974. He and his wife Linda reside in Morgantown, WV.

1975

PATRICIA (RHODA) KLISHIEVICH P'75 announces the engagement of her son ZACHARY A. KLISHIEVICH to LILLIAN M. SPIEKER, both PharmD'05. Zachary and Lillian, who met during their first year at USF, have been together for six years. Zachary asked Lillian for her hand in marriage on November 19, 2005. No date has been set, but they are contemplating a spring 2007 wedding. The mother of the groom-to-be wishes them the best of luck.

1979

NANCY (FRANCKI) GILBERT P'79 was recently promoted to executive sales representative at Eli Lilly & Company. She has been employed by Eli Lilly for 22 years. She was also awarded the Becoming Elite Award for the third quarter of 2005 by the Neuroscience Division of Eli Lilly.

1981

MARCIA D. WOLF C'81 (MD'85, Medical College of Maryland) was elected president of the Maryland Physical Medicine & Rehabilitation Society. She is the president of the Maryland Pain Special Interest Group. Marcia is board certified in physical therapy and pain medicine. She is in private practice in Baltimore as the medical director of the Mid-Atlantic Pain Medicine Center.

1984

JEANETTE (PASCUZZI) HEACKOV P'84 (MB'A88, Oswald University) has been named as an ASO-Certified Six Sigma Black Belt. A certified Six Sigma Black Belt demonstrates team leadership and managed team dynamics in all aspects of the DMAIC model (define, measure, analyze, improve, control, solve). She is currently the director of policy compliance for Wyeth Pharmaceuticals.

1992

ANDEA (LAZOWICK) FELDMAN P'92 (Pharm'94, Nova Southeastern University) was appointed to the position of national director of psychiatry scientific affairs liaisons at Ortho-McNeil Janssen Scientific Affairs on January 16, 2006. She lives in Miami with her husband Mark and sons Chavez and Cameron.

1993

TAMMY (MCCULLIN) LIGHTNER P'93 and her husband Harold welcomed the birth of daughter Ciara byrnee on August 16, 2005. They regretfully announced the sudden death on December 3, 2005, at their home in Marlton, PA. The pharmacy specializes in home health care and assisted living homes as well as retail pharmacy. Lane lives in New Tripoli, PA.

1999

HEATHER (GROVE) GROHOLM P'99 and her husband Lars announced the birth of daughter Ava Jala on September 12, 2005. Heather is a pharmacist with CVS in Indiana, and Lars is a pilot with AirTran Airways. They live in Westfield, NJ.

2002

ANSI. D. DATKIN PharmD'02 acquired Ar-Ex Pharmacy in July 2005. Ar-Ex Pharmacy is an independent retail pharmacy located in Forks, NJ.

2003

SWATI K. PATEL PharmD'03 and her husband Jay welcomed the birth of daughter Jyot Patel on June 25, 2005. SWATI is a staff pharmacist at Harris Teeter in Greensboro, NC, where she and her family live. SWATI is a medical resident specializing in internal medicine at Moses Cone Hospital, also in Greensboro.

SONYA SCOTT P'00, PharmD'01 and Christopher Yoho were married on October 22, 2005, in Sellersville, PA. In attendance were DEBORAH L. DEUENIENG P'00, PharmD'01, ROSAMARIA (LAMONICA) KARETSKY MPT'00; AMY (WOLFGANG) CALCAGNO P'00, PharmD'01; CHRISTOPHER J. CALCAGNO P'00, PharmD'01; AIMEE (TRINIDAD) NAUVOITZ P'99, PharmD'01; TIMOTHY S. NAUVOITZ MBI; SUZETTE (DEBAGHAR) HARTMENCAI PharmD'00, MICHAEL E. CASTAGNA P'00; and JAMES R. ANDERSON P'00. Sonya is a drug supply manager for Wyeth in Collegeville, PA, and Christopher is a civil engineer for Menennes & Associates in Exton, PA. The couple lives in Phoenixville, PA.

1994

DAVID S. DESSENDER P'94 and his wife Kristen announced the birth of son Dean Wallace on February 20, 2006. Dean joins big sister Kayley. David is the pharmacist-in-charge at Cigna Tel-Drug in Horsham, PA. He resides in Ardmore, PA, with his family.

1996

LISA COHEN P'96 married Rick Shapiro on September 17, 2005. Lisa is a pharmacy manager and consultant for Senior Care Pharmacy, and Rick is a certified professional in Energy Mover. The couple lives in Charlotte, NC.

1997

JENNIFER (VASSHI) WEISSMANN P'97 gave birth to daughter Alysson Suzanne on August 17, 2005. She joins big brothers Nicholas and Braden. The family resides in Hammonnt, NJ.

1998

JILL M. GONZALO P'98 and Rajesh Reddy were married at Church of the Holy Angels in Kulpmont, PA, on May 14, 2005. Jill is a pharmacy manager at Genworth’s Markets in Coshocto, PA. Raj is a second-year resident at Lancasteras Hospital in Wynnewood, PA.

2005

IRWIN BROMBERG P'42 died on February 22, 2005. He is survived by his wife of 60 years, Regina Bromberg P'44, and their children Michael and Roberta.

JAMES G. HAMLIN C'43, P'49 passed away on October 29, 2005. He is survived by his wife Dorothy.

GEORGE F. HOFNNAGLE P'43, MS'48 died on December 17, 2005. He was predeceased by his wife and is survived by his four children.

RICHARD P. GILLESPIE P'56 passed away on February 12, 2005. He is survived by his children and his brother William G. GILLESPIE P'50.

CLASS NOTES
CALL FOR NOMINATIONS

The Awards Committee is seeking nominations for the Annual Awards scheduled to be presented at Fall Fest, Saturday, October 21, 2006. If you know of someone who, based on the criteria at right, deserves the recognition of his/her peers, please submit the name, CV, and letter of nomination to Pat McNelly, p.mcnell@usip.edu or 1.888.857.6264 by June 30.

The Annual Alumni Award
Bestowed on an alumnus who is distinguished by contributing in outstanding fashion to the professions, to science, and/or to mankind.

The Ivor Griffith Service Award
Bestowed on an alumnus who is distinguished by voluntarily giving his/her time and service in an outstanding fashion to USP either directly or through his/her activity in the USP Alumni Association.

The Young Alumnus Award
Bestowed on an alumnus who received his/her initial degree within the last 15 years and who is distinguished by having contributed in outstanding fashion to the professions, to science, and/or to mankind.

The Honorary Alumnus Award
Bestowed annually to a non-alumnus who has shown exemplary dedication and commitment to the mission of the University.

The Athletic Hall of Fame Award
Bestowed upon an individual who has demonstrated outstanding career accomplishment, leadership, and commitment to his/her sport.

Please submit your nomination for The Athletic Hall of Fame Award to Paul Klimitas by June 30.

Join USP alumni, students, parents, and friends to celebrate USP pride at Fall Fest!

Saturday, October 21, 2006
Events begin at 9:00 a.m.
- Awards
- Activities sponsored by the Colleges
- Golden Graduate (50 years) Luncheon and Ceremony
- Multicultural Show
- Reunion Reception for all classes and Colleges
- Student Organizations Carnival

Invitation to follow…

CHARITABLE GIFT ANNUITY

“Year in and year out, the charitable gift annuity is the most popular life income planned giving vehicle available.”
ERICA SPIZZIRRI
Director, Major Gifts

“Don’t judge each day by the harvest you reap, but by the seeds you plant.”
ROBERT LOUIS STEVENSON

With a little planning on your part, for the rest of your life, University of the Sciences in Philadelphia will send you a check every quarter, or annually, if you wish. The amount will be the same every time. While the economy may rise or recede, your check will remain the same. You can count on it because we back our commitment to you with the full assets of the University.

The total amount you receive every year is determined in advance and depends on several things, including your age and the amount you give to establish the arrangement. For example, if you’re 75 years old, you’ll receive more than someone younger who gives the same amount.

Also, you will enjoy the satisfaction that your arrangement with USP will someday provide the University with needed financial resources. By letting us help you with lifetime support, you enable us to serve future generations.

The IRS favors these arrangements and provides the donor with a charitable income tax deduction. It’s one way the government encourages the private sector to support the charitable community.

The arrangement we are talking about is a charitable gift annuity. Year in and year out, it is the most popular life income planned giving vehicle available.

Would you like to learn more about charitable gift annuities and how they can benefit you and USP? To receive our free literature, use the response form at left, or phone USP’s Office of Institutional Advancement at 1.888.857.6264. To learn more about this and other planned giving opportunities, please visit our website at www.usip.edu/alumnifriends.

We hope to hear from you soon, and we trust that someday we will be able to send you an annuity check on a regular schedule for the rest of your life.

Thank you for your support.
ERICA SPIZZIRRI
Director, Major Gifts

The Annual Alumni Award
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The Ivor Griffith Service Award
Bestowed on an alumnus who is distinguished by voluntarily giving his/her time and service in an outstanding fashion to USP either directly or through his/her activity in the USP Alumni Association.

The Young Alumnus Award
Bestowed on an alumnus who received his/her initial degree within the last 15 years and who is distinguished by having contributed in outstanding fashion to the professions, to science, and/or to mankind.

The Honorary Alumnus Award
Bestowed annually to a non-alumnus who has shown exemplary dedication and commitment to the mission of the University.

The Athletic Hall of Fame Award
Bestowed upon an individual who has demonstrated outstanding career accomplishment, leadership, and commitment to his/her sport.

Please submit your nomination for The Athletic Hall of Fame Award to Paul Klimitas by June 30.
GIVE US YOUR NEWS

Tell us about your new job, promotion, new professional accomplishments, etc. If you were recently engaged, married, or welcomed the birth of a child, please let us know in the space below. A few randomly selected photos will appear in each issue. Every photo received will be posted on the Alumni & Friends website. Make sure to identify each individual in your photo to ensure accurate identification in captions.

Please print all information.

Has your address changed? Please let us know by mail, online at www.usip.edu/alumnifriends/ or by phone to the Alumni Office toll-free: 1.888.857.6264

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UNIVERSITY OF THE SCIENCES IN PHILADELPHIA
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PHILADELPHIA, PA 19104-4495

IN OUR NEXT ISSUE...

• USP’s 185th Commencement highlights.

• USP’s Fourth Annual Scholarly Day gives students a chance to showcase their research.

• Race for Humanity raises money for the Red Cross Measles Initiative. Students take the lead as organizers.
MISSION OF THE ALUMNI ASSOCIATION

To engage the graduates of University of the Sciences in Philadelphia in promoting the goals and objectives of the Association and the Institution.

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DEGREE/PROGRAM ABBREVIATIONS

BAC Bacteriology
BC Biochemistry
BI Biology
Blnf Bioinformatics
BW Biomedical Writing
C Chemistry
CS Computer Science
ES Environmental Science
HonDSc Honorary Degree (Science)
HPsy Health Psychology
HS Health Science
IndP Industrial Pharmacy
MB Microbiology
MedC Medicinal Chemistry
MOT Master of Occupational Therapy
MPT Master of Physical Therapy
MS Master of Science
MT Medical Technology
OrgC Organic Chemistry
P Bachelor of Science in Pharmacy
PA Physician Assistant
PharmD Doctor of Pharmacy
PhC Pharmaceutical Chemistry
PhD Doctor of Philosophy
PhG Graduate in Pharmacy (equivalent to P that is used today)
PhTech Pharmaceutical Technology
PH/TX Pharmacology and Toxicology
PMM Pharmaceutical Marketing and Management
Psy Psychology
PT Physical Therapy
STC Certificate in Science Teaching
TX Toxicology
## CALENDAR OF EVENTS

<table>
<thead>
<tr>
<th>Date</th>
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<tr>
<td>Jun 20</td>
<td>Drug Information Association Alumni Reception, Philadelphia Marriott Downtown</td>
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<td>Jun 28</td>
<td>New Jersey Pharmacist Association Alumni Breakfast, Atlantic City, NJ</td>
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<td>Jul 29</td>
<td>Summer Happy Hour, Avalon, NJ</td>
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<td>Aug 25</td>
<td>Convocation</td>
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<td>Sep 14</td>
<td>Science and Technology Center Dedication and Lecture</td>
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<tr>
<td>Sep 21</td>
<td>Patricia Leahy Memorial Lecture and Reception</td>
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<td>Sep 29</td>
<td>President's Dinner, Four Seasons Hotel, Philadelphia, PA</td>
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<td>Oct 21</td>
<td>Fall Fest, USP Campus</td>
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### ALUMNI EVENTS

### USP EVENTS

For more information, contact the Alumni Office at 1.888.857.6264.

To find more information, visit the USP Alumni & Friends website at [www.usip.edu/alumnifriends](http://www.usip.edu/alumnifriends) or view the USP's News and Events page at [www.usip.edu/calendar/index.asp](http://www.usip.edu/calendar/index.asp).