

# USP Bulletin

A MAGAZINE FOR ALUMNI AND FRIENDS OF UNIVERSITY OF THE SCIENCES IN PHILADELPHIA SPRING 2005, VOLUME 94 NO.4



## THE CORPORATE SUCCESS DREAM TEAM OF USP

USP STUDENTS GAIN  
REAL-WORLD EXPERIENCE

USP STUDENT DESIGNS COMPUTER  
PROGRAM TO TRACK THE SPREAD OF  
BIOLOGICAL DISEASES

THE PHARMACIST'S ROLE  
IN CARING FOR THE ELDERLY  
CONTINUES TO GROW

# FROM THE PRESIDENT

## WE CAN ALL REMEMBER

back to the days when we first approached our college career. Full of hope and dreams, and plans for our future, we set out on a road that we were sure would lead to success and happiness. We knew certain things about where we were headed. But many of us took more side roads than we anticipated, and many of us found the success we had hoped for looked very different than we had imagined it would. In this issue of the *USP Bulletin*, you will read the stories of four alumnae whose innate

leadership talents, coupled with their professional expertise, led them to accomplishments and achievements that surpassed even their own early dreams.

We all arrived at our college education with the expectation that we would be prepared for our professional lives and that we would leave with the skills to continue learning and growing in our careers. As scientists and health care professionals, our lives would be dedicated to patient care and the discovery of new knowledge and therapies to improve the quality of life. So

many USP graduates have fulfilled that promise in a wide variety of ways, and we are proud to continue that tradition of excellence.

But today, we know that a university education must prepare students for so much more. The increasingly interdependent global village that we inhabit

calls for us to instill a deeper sense of service than ever before. Colleges and universities, especially those located in urban communities, have a special responsibility to connect the work within our halls to the needs of our society. As you know, that responsibility has been incorporated into USP's Vision

2010, and within these pages you will learn more about how our continuing commitment is being realized.

As we prepare to graduate our 184th class this May, we continue to build upon our historic strength in professional education even as we seek to expand the educational, cultural, and humanistic horizons of our students. Our goal will always be to instill and nurture in our students the qualities of leadership and service that will help them exceed their dreams in ways they never imagined.



Philip P. Gerbino P'69, PharmD'70  
President





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THE SCIENCES IN PHILADELPHIA  
SPRING 2005, VOLUME 94 NO. 4

USP students, such as Alissa Lockuff MPT'05, make significant contributions to the community through service learning courses and community service initiatives.

## COVER STORY

**FEM PHENOMS—  
THE CORPORATE SUCCESS  
DREAM TEAM**  
PAGE 3

## FEATURES

**SERVING THE COMMUNITY:  
A NEW DIMENSION OF LEARNING**  
PAGE 6

USP students gain valuable real-world educational experiences through active civic involvement.

**ANALYZING DISEASE AND  
BIOTERRORISM OUTBREAKS**  
PAGE 10

USP student designs computer program to track the spread of biological disease agents.

**CARING WHERE SENIORS LIVE**  
PAGE 12

The pharmacist's role in caring for the elderly continues to grow.

## DEPARTMENTS

**SPORTS BRIEFS**  
PAGE 14

**BULLETIN BOARD**  
PAGE 15

**SCHOLARLY ACTIVITY**  
PAGE 19

**ALUMNI EVENTS**  
PAGE 22

**ALUMNI FOCUS**  
PAGE 24

**CLASS NOTES**  
PAGE 25

Front Cover: USP Board of Trustees members ELIZABETH CORSI PharmD'81 (left) and KATHLEEN (KATE) MAYES P'76, PharmD'78 are shining examples of USP alumnae who have emerged as successful and inspirational leaders in the healthcare field.



## USP Bulletin

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## PATENTS, PLEASE!

Did you know that USP alumni hold more than 300 patents? Yes, that's right, more than 300 patented inventions have been created by individuals who received their education from USP. For example, **ROBERT A. VOLZ** C'54 (deceased) had 35 patents in the area of polyurethane, **MARVIN E. ROSENTHALE**, PhD, PharmD'56 is the coinventor of numerous compositions for relieving bronchial spasm, and **LUANNE BYERS ZABYTKO** P'77 has a patent for an innovative lightweight putter to help golfers align their putts on the green.

The *USP Bulletin* is gathering information on all our alumni patent holders for a future article. If you have a patent or a pending patent, please let us know about it. Send your name and a brief description of your invention to:

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# Fem Phenoms— The Corporate Success Dream Team

BY LYNDA RUDOLPH

**“PEOPLE RECOGNIZE THE SCHOOL, THE REPUTATION AND RESPECTABILITY ARE UNPARALLELED IN THE PHARMACEUTICAL BUSINESS.”**

TERESA FLICK WINSLOW, P’78

**“PHARMACY SCHOOL IS NOT EASY. YOU HAVE TO MAKE A PERSONAL COMMITMENT TO PUT THE TIME IN TO STUDY AND WORK HARD. SUCCESS STEMS FROM THOSE SAME PRINCIPLES.”**

MARY PARENTI P’85, P’harmD’87



TERESA FLICK WINSLOW P’78 (left) and MARY PARENTI P’85 credit their education at USP as the foundation of their professional successes.

It was then that Dendrite called. “I left a \$5 billion to \$6 billion company to work for a \$10 million company. It was a big risk,” Winslow admits—one that paid off dramatically. She led sales and marketing in 1991, moved to international sales, and was one of the corporate officers that took the company public in 1995. In 1997, she became president of Dendrite’s America division and retired in January 2002.

They’ve worked for the elite businesses in the pharmaceutical world.

They’ve helped build major corporations.

They never set out to be icons for phenomenal achievement.

It just happened.

In their minds, “the glass ceiling” wasn’t an issue. Hard work, staying focused, and seizing opportunities were.

Ask them where they acquired the disciplines that took them to the executive boardroom, and they unanimously agree.

It was at University of the Sciences in Philadelphia.

TERESA FLICK WINSLOW P’78 began her career at Eli Lilly in pharmaceutical sales. She learned quickly she had the soul of an entrepreneur—something Lilly couldn’t nurture. But Key Pharmaceuticals—a smaller, up-and-coming pharmaceutical company—could. Key was the first in the business to offer commissions. For Winslow it was an epiphany, “Tying compensation to performance just made huge sense.”

Within eight years, Winslow moved from field sales to executive director of a division. When Schering-Plough acquired Key, Winslow moved on. “This big corporate gig was not me.”

As if one career wasn’t enough, Winslow now consults for Edison Ventures and most recently served as interim president and CEO for Taratec. “I go in, manage change, get companies grounded, and then move on.”

She believes her USP degree was the biggest door opener. “People recognize the school. The reputation and respectability are unparalleled in the pharmaceutical business.” She believes the discipline she learned was invaluable. “You had to be prepared. It was where I began to learn life lessons. And it’s a big reason I am where I am today.”

Along with the education that she received at what MARY PARENTI P’85, PharmD’87 calls “one of the most solid pharmacy programs in the country,” she acquired a mindset that was indispensable. “Pharmacy school is not easy. You have to make a personal commitment to put the time in to study and work hard. Success stems from those same principles.”

The many challenges she encountered as a student at USP all played a part in her career that actually spun off from her specialized residency in Drug Information at Thomas Jefferson University Hospital. Her first job was as a medical writer, but she moved quickly on to a senior position at

Medical Education Systems, Inc.—a medical communications company. “I loved writing, but I knew there was so much more out there for me. I wanted my own company.” Four years later she became the CEO and major shareholder—with 90 percent of the business. Not long after that, she bought out the other shareholders. “When I look back on it now, I realize what a huge risk that was.”

With autonomy came a vision. And progress. In 1994 when she acquired the company, there were 18 employees. In 1998 when she sold it to Boron LePore, there were 118.

Having achieved what she set out to do—build a company and sell it—Parenti retired in 1999. Now she and her husband travel—and she serves, and has served, on a number of boards, including the USP Board of Trustees, along with doing charitable work in the arts and education for local organizations in Philadelphia.

“I am a perfectionist. I worked hard. I believed in taking risks. And I loved what I did.” For Parenti, those personal attributes and an education at USP provided the dream combination.

**KATHLEEN (KATE) MAYES** P’76, PharmD’78 made history immediately after graduating with a PharmD degree from USP. She was the first clinical pharmacist employed by the pharmacy department at The Children’s Hospital of Philadelphia (CHOP). She reviewed research protocols, interfaced with researchers, and reviewed new drugs and their impact on safety and children. In 1983 a call from the dean of the Philadelphia College of Pharmacy changed her career direction. He recommended her for the medical director position at Sieber and McIntyre, a division of McCann Ericson. She took the job and launched an enviable career. In two years, three Sieber and McIntyre employees formed their own firm,

Integrated Communications Corporation. She served as executive VP, medical director, and managing partner. Clients included firms such as Bristol-Myers and Schering-Plough. By 1991 there were 200 employees.

Success was gratifying, but Mayes still hadn’t fulfilled her entrepreneurial desire. She sold her interest and started Applied Clinical Communications. The company became a full-service medical education company supporting pharmaceutical companies and grew quickly. When she sold it to UnitedHealth Group in 2000, there were 150 employees. It was a career-defining moment.

Mayes credits her success directly to USP. “The school provides tremendous opportunities. During clinical rotations you learn what you love. I got the ‘bug’ to go into the clinical pharmacy direction from mine.” Mayes also believes, “You develop an

ability to work independently, thinking and practicing outside the box.” Her career is evidence that what she learned then is true: “Anything is possible.”

**ELIZABETH CORSI** PharmD’81 never intended to become a senior VP in a major pharmaceutical company. Or launch some of the most preeminent drugs of the last few decades. Or start her own pharmaceutical company. She wanted to get a pharmacy degree to help add to the household income. Her own personality—and drive—just wouldn’t let her stop there.

As a practicing pharmacist, “I just got bored,” Corsi recalls. She began working for Lederle Laboratories in the medical group as associate director, which supported marketing, where she interfaced with the sales and marketing team. “I lectured to hospitals and medical professionals and taught the sales

force how to use the technical data to their advantage.” After one year with the company, she went very reluctantly into marketing as a product manager.

Corsi believes this is where her USP education became invaluable. “My PharmD experience taught me to think. It gave me analytical skills along with a great clinical scientific base.” Under her direction, sales grew from \$34 to \$110 million, and within a short time she was head of marketing. She went on to Schering-Plough International as a senior business unit director and then joined Rhone-Poulenc Rorer a year later as vice president business development and new product marketing, where she worked on the prelaunch plans for Lovenox® and Taxotere®. After six years and two additional senior management positions, she joined DuPont Merck and served as senior vice president for U.S. operations where she helped protect Coumadin® from losing market share to generics, launched Retavase®, and prepared for the launch of Sustiva®. But, in her words, “In the big corporate jobs it is hard to have direct impact because you spend so much time in meetings, communicating with the many stakeholders. I wanted the opportunity to work in a more entrepreneurial environment.”

In 1998 Corsi did just that when Eximias Pharmaceuticals Corporation opened its doors and six months later procured the rights to THYMITAQ®. The company started a Phase III clinical trial for primary liver cancer for this lead drug in the indication where no drug is currently approved, giving the product promising sales potential.

Corsi’s advice to people who have a desire to achieve is to realize that “life is full of up and downs. There is no employment guarantee anywhere today. But developing and maintaining your skills, being goals-oriented, and having a curious mind can be the start of something great.”

**“THE SCHOOL PROVIDES TREMENDOUS OPPORTUNITIES. DURING CLINICAL ROTATIONS YOU LEARN WHAT YOU LOVE. I GOT THE ‘BUG’ TO GO INTO THE CLINICAL PHARMACY DIRECTION FROM MINE.”**

**KATHLEEN (KATE) MAYES, P’76, PharmD’78**

**“MY PharmD EXPERIENCE TAUGHT ME TO THINK. IT GAVE ME ANALYTICAL SKILLS ALONG WITH A GREAT CLINICAL SCIENTIFIC BASE.”**

**ELIZABETH CORSI PharmD’81**

## WHAT CHARACTERISTICS MAKE A GREAT LEADER?



**ELIZABETH CORSI**

- Having integrity is essential; do what you say you are going to do
- Have a vision—which is really the ability to see the invisible
- Delegate but verify
- Lead by example and earn respect—you can't lead without it
- Teamwork is essential, but build a championship team not a team of champions
- Create a Galatea effect—people tend to either rise or fall to one's expectations
- Play chess not checkers—think two to three moves down the road
- Do not be afraid to make bold commitments
- Remember that hard work, resourcefulness, and resilience always pay off



**KATHLEEN (KATE) MAYES**

- Have a clearly stated vision
- Don't fear failure
- Have a very strong work ethic—you'll do whatever it takes
- Practice with a high degree of professional and ethical integrity
- Raise the bar—always setting new standards to do better and better
- Hire the right people—with them you can do anything



**MARY PARENTI**

- Take risks
- Have a relentless work ethic
- Lead by example and with integrity
- Surround yourself with the right people
- Be task- and quality-driven—stay until the job gets done perfectly
- Delegate
- Love what you're doing—look forward to continuous challenges



**TERESA FLICK WINSLOW**

- Sustain a focus on performance
- Create a team environment
- Encourage open discussion and debate
- Manage change and leading people to the right answers
- Align a team with the company's objectives, mission, and vision goals
- Delegate by hiring the right people with the right skills

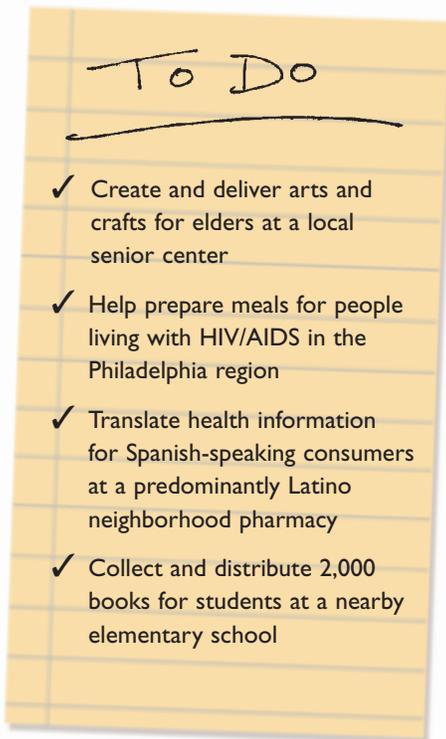


SERVING THE  
COMMUNITY:  
A NEW DIMENSION  
OF LEARNING

USP students gain valuable  
real-world educational  
experiences through active  
civic involvement

BY JOHN M. MARTINO

*Michele Vergara MPT'05 (above) and Alissa Lockuff MPT'05 (at right) helped residents of a local continuing care retirement community realize the importance of being active participants in their own health during a health fair.*



lies, especially since our University is based on health care,” says **THOAI NGO BI’05**. “The coffeehouse and other community service events help students become more well-rounded. The activities help students develop leadership, organization, and people skills. And the feeling you get when you make a difference in people’s lives is great.”

The Southwest Community Enrichment Center (SCEC), a local not-for-profit, community-based human service organization, has benefited a great deal from the civic efforts of USP students, who have organized health fairs, wellness programs, and a voter registration drive at the site. During the 2004 spring semester, students enrolled in the Introduction to Literature course helped SCEC and its neighboring residents memorialize the center’s 35-year history. Having learned about literary interpretation skills,

meaningful to the community partner. The oral histories are invaluable to SCEC as archival documents. Some of the material gathered in the interviews had never before been documented.”

In today’s fast-paced world that needs goodwill and civic engagement, USP offers students a new dimension of learning beyond the traditional classroom experience. Students are motivated to empower themselves by becoming an essential part of society through both community service and service-learning experiences.

Is there a difference between the two? Yes, there is.

Community service involves students volunteering their efforts to benefit others or the community without receiving any external rewards. The primary emphasis is on the service provided.

**MANY UNIVERSITY** of the Sciences in Philadelphia students—while balancing a demanding academic schedule that includes much of their time spent in the classroom or library—have been stepping up to the plate and realizing their roles as active citizens in the real world—the community. And from the looks of things, it appears their plates are full.

When the fatal tsunami ravaged parts of Asia and Africa in January causing many to lose their homes and families, USP students—though an ocean away—were moved to organize a coffeehouse fund-raiser for the campus community. They raised \$2,400 for Oxfam America, a worldwide relief organization that established a Tsunami Response and Global Emergencies Fund.

“We felt it was important to do what we could for the tsunami victims and their fami-



**IN TODAY’S FAST-PACED WORLD THAT NEEDS GOODWILL AND CIVIC ENGAGEMENT, USP OFFERS STUDENTS A NEW DIMENSION OF LEARNING...**

the students interviewed SCEC’s founding members. They then wrote original poems on the oral histories they collected and presented their work to the appreciative members of the organization. According to **CHRISTINE FLANAGAN, MFA**, assistant professor of English at USP, it was a win-win situation.

“The oral history project was extremely successful for several reasons,” says Flanagan. “Students understood course material more fully and learned meaningful research methods. Furthermore, the students’ creativity was engaged, and the final service project was

Service learning also allows students to make valuable contributions to the community. Students participate in organized activities that are integrated into their academic disciplines. These experiences meet community and academic objectives because course content is presented in a broader perspective that fosters appreciation of the discipline as well as enhances the students’ sense of civic responsibility.

“Service learning is linked to engagement and citizenship,” says **RUTH SCHEMM, EdD**, dean of College of Health Sciences. “Students learn to move beyond their own personal agendas into a collaborative mix of their knowledge and skills and the community partner’s needs, knowledge, and skills.

“The University has some excellent partnerships with many not-for-profit groups,” adds Dr. Schemm. “We are in an extremely attractive geographical location because we are in close proximity to numerous service-learning opportunities. Several community organizations are in walking distance from USP.”

USP students also have extended their outreach efforts beyond Philadelphia. Last year, students from a service-learning course in pharmaceutical marketing and management developed a comprehensive marketing plan, including creating brochures and other forms of marketing communication, to help promote Special Equestrians, a nonprofit organization in Warrington, Pa., that provides therapeutic horseback riding to help adults and children with disabilities achieve cognitive, physical, social, emotional, and behavioral goals.

“Special Equestrians has benefited from this experience by receiving many good, innovative ideas that we will utilize to help market



**“IT WAS SO REWARDING TO SEE THE EXCITEMENT ON THE KIDS’ FACES. THESE WERE BOOKS THAT WERE IN GREAT CONDITION THAT STUDENTS COULD ENJOY AND LEARN FROM.”**

LILY LIN PharmD’08, DIRECTOR OF SCIP

our program,” says Laura Soldano, executive director of Special Equestrians. “I believe the students experienced the value of performing community service. The beneficiaries of their good work will ultimately be the adults and children with disabilities whom we serve. It was a pleasure working with such bright and energetic students.”



*Danielle Mascellino MPT’05 conducts a blood pressure test for a senior citizen.*

Encouraging students to become more involved in the community is a long-term commitment of USP. Recently, the University developed the Center for Community Connections. Supported by a generous three-year grant from the Christian R. and Mary F. Lindback Foundation, the center is

embarking on its inaugural year as USP’s advocate for service learning, civic engagement, and global citizenship. In the center’s few months of opera-

tion, USP students have planted trees throughout southwest Philadelphia, collected and created school supply packages for local elementary children, taught the importance of ergonomics to senior citizens, cooked breakfasts and dinners at the local Ronald

McDonald House, and much more. The center also supports the Dean’s Seminar, which challenges students to research a public health issue, such as diabetes or AIDS in Africa, and develop brochures and posters describing the issue. The students will distribute or present the information at a major community event, such as the AIDS Walk, to educate the community on disease treatment and prevention.

“The center exists because the University as a whole is interested in encouraging students to think beyond their academics and to consider the responsibilities they have, as students and as professionals, to the world,” says **ELIZABETH GABLE**, founding director of the center. “Community service brings out more of our students’ hearts and values and helps make them better citizens. I have never seen such hard-working students. They have equal passion and drive for community service as they do for their academics.”

Nearly every student and Greek organization on campus devotes time to community service.



**NEARLY EVERY STUDENT AND GREEK ORGANIZATION ON CAMPUS DEVOTES TIME TO COMMUNITY SERVICE.**

*USP students present health information to neighborhood residents during one of many community service events held off campus.*

Two organizations—the Student Community Involvement Program (SCIP) and Alpha Phi Omega (APO)—dedicate themselves exclusively to providing community service opportunities for students.

SCIP made an enduring impact on the children of Wilson Elementary School in April 2003. The members set a modest goal to collect 350 books for the grade school children, but dramatically surpassed their expectations and collected an impressive 2,000 books—one for each child and more than enough extra books to fully stock the school library.

“It was so rewarding to see the excitement on the kids’ faces,” says **LILY LIN** PharmD’08, director of SCIP. “These were books that were in great condition that students could enjoy and learn from. Activities like this are special because you are able to do something that makes people happy.”

In the near future, proactive students like Lin will be able to learn about a variety of community service activities in and around Philadelphia—virtually. The Center for Community Connections is developing a on-line database that students can access

to select initiatives that interest and empower them to contribute to society.

“I enjoy when groups of students dedicate themselves to a certain cause,” says Gable. “Kappa Epsilon had a bake sale and donated proceeds to breast cancer awareness. Alpha Delta Chi had a hot dog-eating contest that raised money for the Pennsylvania SPCA. My goal is to help our students have a better understanding of the world around them and understand that participation can be both educational and fulfilling.”

*You can view more examples of community service activities experienced by USP students at [www.usip.edu/civicengagement/communityservice.shtml](http://www.usip.edu/civicengagement/communityservice.shtml).*

*To learn more about service-learning courses at USP, visit [www.usip.edu/civicengagement/servicelearningcourses.shtml](http://www.usip.edu/civicengagement/servicelearningcourses.shtml).*



*AMANDA BEDWAY PharmD’10 (left) and DANIELLE CZAJKA PharmD’10 display a poster they created to relay trick-or-treat safety tips to children.*

# Analyzing Disease and Bioterrorism Outbreaks

## USP Student Designs Computer Program to Track the Spread of Biological Disease Agents

BY CAROL R. COOL



OUR WORLD has changed since 9/11. We quickly learned to worry about something called anthrax that could sicken us through our mail. We now

think twice about using the subway for fear of a biological agent being released through the air vents. We learned that smallpox and tuberculosis, diseases we had been inoculated against or thought were eradicated, were very much alive and might be used to attack us. Meanwhile, the rapid spread of AIDS and newly discovered viruses like SARS continue to threaten lives worldwide.

Studying and examining these potentially fatal illnesses up close and personal has been off limits to college students.

Until now.

Students can now analyze—in the safety of a classroom or laboratory—disease and bioterrorism outbreaks right in front of their eyes on a computer screen, thanks to a University of the Sciences in Philadelphia student. **JOSEPH GLESSNER** BInf'07 developed an interactive computer program, called *Pestilence*, that has helped allay fears by allowing student researchers to analyze and investigate AIDS, SARS, and other infectious diseases and to model probable outcomes.

*Pestilence* was built on software architecture called NetLogo, developed by the division of computational mathematics at Northwestern University through a grant from the National Science Foundation to study natural and social science phenomena. The Department of Biological Sciences had been looking for a computer programmer to create the new program. The department did not have to look far. "Joe had a lot of computer programming experience before he came to college, and he was on top of his computer skills," says **JAMES R. JOHNSON, PhD**, coordinator of the microbiology program at USP. "We felt he was definitely the right person for the job, so we hired him as a summer intern to work on the program."

An older DOS program, previously used in microbiology classes, provided the basic parameters, which included 12 variables. But *Pestilence* goes far beyond that. It includes 30 variables, such as population densities and makeup, number of "travelers" (highly mobile members of the population) versus "meanderers" (those who stay close to home) and their movements, life spans (healthy versus infected), reproductive age, the ease of the infection's transmission, mutations, and immunities.

These variables allow student researchers to experiment with different scenarios, such as how geography or population density affects the spread of a disease or biological

agent, how a disease that reduces birth rate (versus one that does not) influences a population's ability to maintain itself, how a disease affects a population's lifespan, or the impact of a treatment.

**KOURTNEY NICKERSON** MB'07 used *Pestilence* to study the AIDS virus. Nickerson's group took its parameters from the real-life AIDS situation in Africa and used ratios of different rates of population growth and degrees of contagiousness. Another variable was the rate of virus mutation, checking to see how a decrease or increase in mutation rate would affect the population's health.

"It's not something you can simulate in real life," says Nickerson, "so this program gives you an opportunity to see what could happen and shows you everything on the computer screen. It gave me a greater appreciation of what I learned in the course and tied it all together."

The new program makes setting up a disease scenario, even with many different variables, easy. "The interface is nice; anyone could understand it," says **LAWRENCE HAN** BI'06/PharmD who used *Pestilence* in the fall of 2004. "It uses slide bars; you don't

have to know computers very well at all.

"*Pestilence* is valuable because, with the variables, you can model any disease situation," says Han. "You read a lot about disease outbreak, but you don't really see it in action. What you read about is its after-

math. With *Pestilence*, you can see the disease dynamics while the outbreak is in progress, seeing how the disease evolves and the population responds to it."



*Above: JAMES R. JOHNSON, PhD, watches as (from left to right) JOSEPH GLESSNER BInf'07 demonstrates Pestilence, an interactive computer program he developed, to LAWRENCE HAN BI'06/PharmD, and KOURTNEY NICKERSON MB'07.*

Pestilence is being used at USP by second- and third-year biology, medical technology, microbiology, and biochemistry students. Students obtain data similar to that of epidemiologists who investigate the actual spread of infectious diseases using similar parameters.

"Pestilence helps people become aware of how different parameters can subtly influence things," says Dr. Johnson. "For instance, if a population has to work very hard just to maintain itself in a marginally sufficient environment, that can have a large effect on the dynamics of the disease."

**"IT'S BEEN AN ENJOYABLE PROCESS TO WATCH THIS GO THROUGH A STAGE OF EMBRYO-GENESIS AND DEVELOP INTO THE KIND OF TOOL IT IS!"**

JAMES R. JOHNSON, PhD

"So much of the general populace feels that just coming in contact with someone who has the disease or biological agent is the major point," says Glessner, "when, in the big picture, many other things, like the greater susceptibility of the

young and elderly, come into play." That's why Pestilence is designed so students can adjust variables, such as the age makeup of the population, and see how the spread of the disease is affected.

Another advantage is Pestilence's data output ability. Graphs are shown in real time, as opposed to older programs that required students to stop and collect their data at various points, losing valuable work time.

As useful as Pestilence has already become, it has by no means hit its stride. "This summer we hope to see the program refined to a new level," says Dr. Johnson, "to more realistically model the spread of a disease in a population. We are looking for other variables to mathematically factor in, beyond the 30 we have now."



JOSEPH GLESSNER Blnf'07 is working on another interactive computer program that will simulate the spread of a disease or biological agent introduced into an urban area, such as a subway.

Dr. Johnson also encouraged Glessner to dream big. "I said to him, 'Wouldn't it be interesting to see if this, with all the interest in homeland security, could be pushed to something that could simulate the spread of a disease or biological agent introduced into an urban area?'"

"And so Joe created a second program, which I am urging him to call Contagion, to study the spread of a biological agent released in a subway. It's in the Beta test stage now, and I am hopeful it will be done midsemester for use in advanced microbiology."

With the current concerns about biological warfare, Glessner says he is working to make the digital model as realistic as possible. "I want to include real-life scenarios—transmission through a subway system, transmission through airlines—to make Pestilence more up to date with things that are currently in the public's mind. I am constantly coming up with ideas on how to make it more realistic, how to prove its statistical viability, how to make it a more respected tool."

C. REYNOLD VERRET, PhD, dean of Misher College of Arts and Sciences at USP, is thrilled with the remarkable initiative and ingenuity demonstrated by USP students, like Glessner, in the areas of bioinformatics, biology, chemistry, and other sciences. "This is one of many examples of talent among students at USP," says Dr. Verret, "and of the opportunities afforded at the University for our students to develop and apply their gifts."

Glessner's efforts with Pestilence have reached a wider audience. A poster abstract, "Modeling the Spread of Infectious Disease," that he developed was accepted for inclusion in the student poster session at the Tenth Annual Consortium for Computing Sciences in Colleges Northeastern Conference (CCSCNE 2005) in Providence, R.I., in April.

"It's been an enjoyable process to watch this go through a stage of embryogenesis and develop into the kind of tool it is," says Dr. Johnson. "And I think there are a lot of possibilities that have opened up that we didn't realize when we started it." As Glessner says, "The possibilities are endless."

Someday Pestilence's applications may even make you feel safer in the subway.

# Caring Where Seniors Live

## The pharmacist's role in caring for the elderly continues to grow

BY RICHARD G. STEFANACCI, DO, MGH, MBA, AGSF, CMD

**P**HARMACISTS HAVE BEEN PROVIDING care beyond the reach of the corner drug store counter for quite some time. Their services in skilled nursing facilities (SNF) were mandated as a result of Omnibus Budget Reconciliation Act of 1987 (OBRA).<sup>1</sup> This presence has resulted in improved outcomes for residents of SNF for most of the last two decades.<sup>2,3</sup> But what about those similarly frail seniors living outside of nursing facilities? How can they have access to these same valuable services that pharmacists have been providing in SNF?

While the number of seniors will double over the next several years along with an expansive growth in the number of our "old old," those over the age of 80, it is anticipated that these seniors will be housed in facilities other than SNF. This movement from these facilities to home and home-like settings will result in a growing number of seniors living in assisted-living facilities (ALF) as well as in their own homes, well beyond what is commonplace today. As a result, the acuity level of ALF residents will grow beyond the typical resident. Even today, the average ALF resident looks more like a SNF resident of a few years ago—80 years and older, with multiple chronic illnesses and cognitive impairment, and receiving, on average, between 5.1 and 6.1 prescription medica-

tions daily.<sup>4,5</sup> But despite the fact that ALF residents are looking increasing like those of SNF, ALFs have fought and won the battle against the intrusion of federal regulations into their business. Combined with the typical operator philosophy that ALFs are nothing more than real estate ventures, ALFs are largely void of most pharmacist medication therapy management services (MTMS) that have become required for similar residents living in nursing facilities.

A recent article by Dr. Philip Sloane illustrated medication undertreatment in assisted-living settings, and a previous article showed general inappropriate medication prescribing in this same setting.<sup>6,7</sup> In a corresponding editorial, Dr. Jerry Gurwitz proposed that these findings were the result of several factors, including the need for systems of care that improve drug safety and enhance adherence in elderly persons on complex medication regimens and the persistence of financial barriers to access the medications.<sup>8</sup> Clearly greater pharmacist involvement in ALFs and other places where seniors will be living would be a major benefit.

So what's being done to fix this problem? OBRA-2005? No, actually the Medicare Modernization Act includes many sections that are aimed directly at the factors Dr. Gurwitz has highlighted, the most obvious of which is the new Medicare Prescription Drug Benefit—Medicare Part D—which starts on January 1, 2006, and will provide for partial drug coverage for most seniors. In addition, a section encourages evidence-based medicine to examine pharmaceutical effects in seniors. But perhaps the most significant section for pharmacists was the inclusion of MTMS. MTMS targets beneficiaries with multiple

chronic conditions, using multiple prescriptions, and incurring significant drug spending. These services are provided by pharmacists and include both dispensing and monitoring. And while MTMS is a positive

**BUT HOW CAN PHARMACISTS DELIVER CARE TO SENIORS REGARDLESS OF WHERE THEY LIVE?**

step in allowing pharmacists to work toward eliminating inappropriate medication use for our seniors, it leaves much of the decisions on the “who and when” to prescription drug plans (PDP).<sup>9</sup>

But some pharmacists and others are already providing these services for seniors. LEON GREENE, PhD, a retired GlaxoSmithKline executive, voluntarily provides MTMS for seniors regardless of where they live. Dr. Green may be a pioneer in this area, but in the future, we may see MTMS available to frail seniors living anywhere through a certification-of-need process. This process would allow physicians to certify that a Medicare beneficiary was in need of MTMS services regardless of the care site. In an environment of ever-expanding home and community-based waivers, which allow for funding beyond the walls of the nursing home, it seems only reasonable to allow for the same care regardless of setting.

One program that takes advantage of a certification process to provide pharmacist services to frail seniors residing outside of nursing facilities is PACE. PACE, which stands for the Program for All-Inclusive Care for the Elderly, has been shown to deliver comprehensive care for the frail elderly through an interdisciplinary team.<sup>10</sup> This program provides and coordinates all needed preventive, primary, acute, and long-term care services so that older individuals can continue living in the community. The PACE model is centered on the belief that it is better for the well-being of seniors with chronic care needs and their families to be served in the community whenever possible. PACE serves individuals who are

aged 55 or older, certified to need nursing home care, and able to live safely in the community whether that be in their home or in an assisted residential facility. Delivering all needed medical and support-



USP IS WORKING TO ENSURE THAT MEDICARE BENEFICIARIES RECEIVE THE RIGHT MEDICATION AT THE RIGHT TIME.

ive services, the program is able to provide the entire continuum of care and services to seniors with chronic care needs while helping them maintain their independence in their homes for as long as possible. Care and services include adult day care that offers nursing care; physical, occupational, and recreational therapies; meals; nutritional counseling; social work and personal care; MTMS; and all necessary prescription drugs.<sup>11</sup>

University of the Sciences in Philadelphia (USP) is lucky enough to have as a neighbor one of the PACE programs in Philadelphia—the University of Pennsylvania’s LIFE Center on Woodland Avenue.

But how can pharmacists deliver care to seniors regardless of where they live? USP is working to ensure that Medicare beneficiaries receive the right medication at the right time. Of course, this type of leadership role is

nothing new for USP, which has trained leaders in pharmaceutical development, managed care, and pharmacy consulting services. The most recent initiative directly targets the issue of caring for frail seniors regardless of where they live. *Assisted Living Consult*, the first health care–dedicated publication serving assisted-living providers, will become the foundation for USP to lead a charge for improved outcomes for our seniors who require assistance in living. To

this end, we are looking for partners in the effort to assist in article development and research projects to improve outcomes for seniors. It is only through efforts like those led by Dr. Lee Green, PACE, and the *Assisted Living Consult* that we will be able to accomplish healthy aging for our seniors no matter where they live, thereby “caring” where seniors live.

*Dr. Stefanacci is the founding executive director of the Health Policy Institute at USP.*

1 OBRA 87 mandated pharmacy consulting services such as monthly medication regimen reviews for skilled nursing facilities.

2 Harjivan C., Lyles A. “Improved Medication Use in Long-Term Care: Building on the Consultant Pharmacist’s Drug Regimen Review.” *The American Journal of Managed Care*. 2002. 8:318–326.

3 Johnston AM., et al. “Outcomes of Pharmacists’ Cognitive Services in the Long-Term Care Setting.” *Consultant Pharmacists*. 1996;11:41–50.

4 Morgan LA, Gruber-Baldini AL, Magaziner J. “Resident Characteristics.” In: Zimmerman S, Sloane PD, Eckert JK, eds. *Assisted Living: Needs, Practices and Policies in Residential Care for the Elderly*. Baltimore, Md: Johns Hopkins University Press; 2001:144–172.

5 Monette J, Gurwitz JH, Avorn J. “Epidemiology of Adverse Drug Events in the Nursing Home Setting.” *Drugs Aging*. 1995;7:203–211.

6 Sloane PD, Gruber-Baldini AL, Zimmerman S, et al. “Medication Undertreatment in Assisted Living Settings.” *Arch Intern Med*. 2004; 164: 2031–2037.

7 Sloane PD, Zimmerman SI, Colemon LE, et al. “Inappropriate Medication Prescribing in Residential Care/Assisted Living Facilities.” *J Am Geriatr Soc*. 2002;50:1001–1011.

8 Gurwitz J. “Polypharmacy.” *Arch Intern Med*. 2004; 164: 1957–1959.

9 PDPs are the private companies that will be taking the financial risk to manage the Medicare Part D Benefit.

10 Bodenheimer T. “Long-Term Care for Frail Elderly People—The On Lok Model.” *N Engl J Med*. 1999; 341:1324–1328.

11 www.npaonline.org (accessed October 17, 2004).

For more information on Assisted Living Consult, visit [www.assistedlivingconsult.com](http://www.assistedlivingconsult.com).

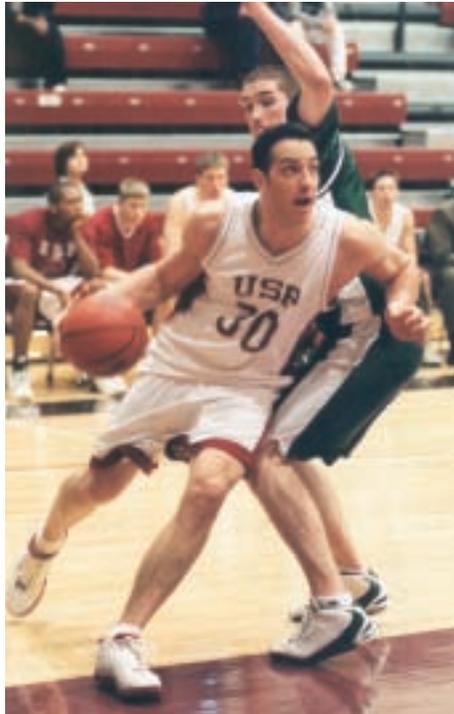
# SPORTS BRIEFS

## USP HOOP STARS SHINE BRIGHT

USP men's basketball player **CHRIS BRATTELLI** PMM'05 (right) and women's basketball player **LEAH SHUMOSKI** PharmD'07 (far right) reached career milestones earlier this season when they both recorded the 1,000th point of their careers.

Brattelli, a senior center, reached the mark on December 7, 2004, against Wilmington College, becoming the 32nd men's player in school history to eclipse the 1,000-point plateau. Brattelli led the Devils in scoring and was named to the CACC All-Conference Team as a third-team selection, voted by the league's 12 coaches, along with teammate **GENE WILLARD** PharmD'07.

Shumoski, a junior forward, became the 10th USP women's basketball player to score 1,000 career points when she notched the accomplishment on December 28, 2004, in the first half of the Devils' contest against nationally ranked Glenville State College. During the season, she led the team in scoring, rebounding, steals, and blocked shots. She became the second women's basketball player in team history to record a triple double when she had 13 points, 10 rebounds, and 10 assists in a game against Goldey Beacom College. Shumoski was named Player of the Week by CACC Women's Basketball a league-leading four times and was selected to the CACC All-Conference First Team along with teammate **SHELBY RANCE** PharmD'09.



### TEAM CUMULATIVE GPA FOR THE ELIGIBLE MEMBERS OF THE USP WOMEN'S CROSS COUNTRY TEAM

# 3.437

## CROSS COUNTRY TEAM EXCELS IN ACADEMICS

The USP women's cross country team was selected by the NCAA Division II Cross Country Coaches Association as a member of the 2004 All-Academic Team. To qualify for this honor a team must have a 3.0 cumulative team GPA through the semester of competition. Athletes must have competed in at least 50 percent of their teams' cross country

competitions and appear on the NCAA eligibility form. The coach must also be a member of the NCAA Division II Cross Country Coaches Association. The eligible members of the USP

women's cross country team recorded a team cumulative GPA of 3.437 for the fall 2004 semester.

During the 2004 season, the team recorded top-10 finishes in all six regular season meets, including top-5 finishes in five of those meets. The Devils placed third at the CACC championships and concluded their season with a 22nd-place finish at the NCAA East Regionals at Indiana University of Pennsylvania on November 6, 2004.

*To receive current, up-to-date statistics and records of USP's sports teams, go to [www.usip.edu/athletics/](http://www.usip.edu/athletics/).*

## BULLETIN BOARD

### FULBRIGHT SCHOLAR FROM INDONESIA VISITS USP

USP welcomed Haidar Bagir, PhD, an esteemed author and educator from Jakarta, Indonesia, on March 14 as part of the "Fulbright Visiting Specialists Program: Direct Access to the Muslim World." This new initiative is sponsored by the Bureau of Educational and Cultural Affairs of the United States Department of State and administered by the Council for International Exchange of Scholars (CIES) in Washington, D.C. Dr. Bagir spent three weeks at USP serving as USP's 2005 Misher Visiting Professor of the Humanities. He spoke to students in various humanities classes and presented a campus-wide lecture on the importance of objective social and political interaction between Western and non-Western cultures and civilizations.



**DR. BAGIR IS THE  
PRESIDENT DIRECTOR OF  
MIZAN PUBLISHING**

Dr. Bagir is one of 33 Fulbright Visiting Specialists from the world's Islamic countries who will spend time at U.S. colleges and universities to expand current understanding and knowledge of Islamic societies and cultures both inside and outside the classroom.

Dr. Bagir has been the president director of Mizan Publishing, an established publishing house in Indonesia, since 1982. Among his many other professional responsibilities, he is the chairman of the Lazuardi Hayati Foundation for Education, president director of GUIDE (Digital Edutainment), founding director of Madima Ilmu College, and lecturer of the Islamic College for Advanced Studies. He has received several notable research grants from U.S. institutions, including a Fulbright Grant for Graduate Studies at the Center for Middle Eastern Studies at Harvard University and a Fulbright Grant for Doctoral Research in the Department of History and Philosophy of Science at Indiana University.

He has written numerous papers and articles on various topics in Indonesia and authored six books, including *Pocket Book of Islamic Philosophy*, *Pocket Book of Tasawuf (Islamic Mysticism)*, *Al-Farabi*, and *Deciphering Mystical Experience*.

The Misher Visiting Professor of the Humanities was established in honor of USP President Emeritus **ALLEN MISHER**, PhD, P'59 whose significant contributions to USP included enhancing the school's general education and expanding the role of the humanities and social sciences in a science-based curriculum. USP's Misher College of Arts and Sciences is named in his honor.

### DR. KRAMER RECEIVES NATIONAL OCCUPATIONAL THERAPY AWARD

The American Occupational Therapy Foundation presented **PAULA KRAMER, PhD, OTR/L, FAOTA**, with its A. Jean Ayres Award. The award recognizes occupational therapy clinicians, educators, and researchers who have demonstrated sustained commitment to the application, development, or testing of theory in occupational therapy. It is given in honor of A. Jean Ayres, PhD, OTR, whose concentration on developing theory in support of practice was of great significance to the profession of occupational therapy. Since 2000, Dr. Kramer has served as the chairperson of the Department of Occupational Therapy at USP.

Before coming to USP, Dr. Kramer was chair of the occupational therapy program at Kean University in New



Jersey since 1984. She has served as a member of the Accreditation Council of Occupational Therapy Education (ACOTE) since

1995 and was one of the key authors of the 1998 accreditation standards for OT education. She is currently the chairperson of ACOTE. She has written four books and more than 20 publications in national and international venues.

# BULLETIN BOARD

## POLITICAL AND SOCIAL VIEWPOINTS SHARED AT USP FORUMS

USP students, faculty, and staff have a new venue where they can express their views on some of today's most controversial subjects. The concept for the monthly USP Forum stemmed from the success of a joint effort by **THOMAS DRAMES MB'05**, president of USP's Student Government Association, and **MARY KATE MCGINTY P'84, MS'04**, assistant vice president for executive affairs, who organized a series of debates during the presidential election last fall. The forums strive to stimulate continuing, thoughtful, and engaging discussion about important issues that affect society.

The inaugural USP Forum, held on February 1, focused on the death penalty, a globally controversial and emotional issue. Topics being considered for future forums have been provided by students, faculty, and staff and include the Patriot Act, the Federal Marriage Amendment, and gun control.

"The inaugural forum was a great success," says McGinty. "It gave everyone an opportunity to not only share their views but also gain a better understanding, and perhaps tolerance, of those who hold a different viewpoint."



## USP GOES RED FOR WOMEN

To help educate female students, faculty, and staff about cardiovascular disease, Philadelphia College of Pharmacy faculty and students conducted screenings for blood pressure, cholesterol, and blood glucose levels and presented information on risk factors for heart disease. The screening was organized in conjunction with National Wear Red Day for Women.

Each year heart disease and stroke claim the lives of nearly half a million women—almost one death per minute. That's more lives than are claimed by the next seven causes of death combined. National Wear Red Day for Women is part of Go Red for Women, a national campaign sponsored by the American Heart Association that aims to

raise awareness of heart disease in women and encourage women to take charge of their health.

"It is important for females to realize that cardiovascular disease is no longer just a man's disease," says **CYNTHIA SANOSKI, PharmD**, associate professor of clinical pharmacy at USP. "Because cardiovascular disease can be a 'silent killer' in females, it is important for all females, young or old, to become aware of their personal risk factors. If they think they may be at risk for cardiovascular disease, they should visit their physician for a more complete evaluation."

## DR. ALSARDARY NAMED INTERIM MATHEMATICS DEPARTMENT CHAIR

**SALAR ALSARDARY, PhD**, associate professor of mathematics, has been appointed as interim chair of the Department of Mathematics, Physics, and Computer Science at USP.

**BERNARD BRUNNER, PhD**, associate professor of mathematics and physics, will assist in the leadership of the department as interim associate chair. Dr. Alsardary replaces **STANLEY ZIETZ, PhD**, who has led the department since 1999 and will continue teaching at USP as a professor of mathematics.

Dr. Alsardary has been teaching at USP since 1996. He was the

recipient of the 2004 Lindback Foundation Award for Distinguished Teaching, which is funded through a gift from the



Christian R. and Mary F. Lindback Foundation to annually recognize full-time faculty members with excellent records of teaching. Among the many math courses Dr. Alsardary has instructed are college algebra, pre-calculus, calculus, graph theory, discrete mathematics, differential equations, and linear algebra.

He also teaches an introductory to Arabic language course, which is very popular among students at the University. He has had articles in several publications and has given numerous presentations on his research about graph theory and combinatorics. He is a member of the Mathematical Association of America (MAA) and acts as a faculty sponsor for students presenting research papers at the regional MAA meetings.

**WORLD-RENOWNED ANATOMY ARTIST'S WORK EXHIBITED**

USP's Marvin Samson Center for the History of Pharmacy is exhibiting a selection of original medical illustrations by Frank Netter, MD (1906–1991), a world-renowned anatomy artist who is regarded by many as the most accomplished and influential medical illustrator of the twentieth century. The exhibition at USP, titled *Human/Humane: The BioArt of Frank Netter, MD*, was put on display April 22 and will be available for public viewing until July 21.

The exhibition will consist of 47 unique gouache—watercolor—paintings from a corpus of more than 4,000 of Dr. Netter's works that illustrate various aspects of illness, trauma, anatomy, development, malformation, pathology, medical testing and diagnosis, and patient care. Many of these impressive illustrations, commissioned by Ciba-Geigy Corporation over several decades, appeared in *Clinical Symposia*, a well-known quarterly clinical monograph used by primary care professionals as a teaching aid and reference.

Through the generosity of Novartis Pharmaceuticals—created by the 1996 merger of the Swiss-based Sandoz and Ciba-Geigy Corporation—USP is able to display these important works for three months.

Dr. Netter believed that medical illustrations played a vital role in teaching as well as in the development of medical specialties, such as surgery and pathology. His association with the Ciba Pharmaceutical Company began in the 1930s, when he began painting pictures to convey information about new products to the medical profession. The first collection of Dr. Netter's medical illustrations, printed in book form in 1948, received such an enthusiastic reception by the medical profession that Ciba was encouraged to expand the program by creating a series of volumes that would portray the anatomy and pathology of all systems of the human organism. *The Netter Collection of Medical Illustrations*, first published in 1953 (and then until 1993) spanned 40 years of Dr. Netter's career. Today, the *Atlas of Human Anatomy*, a detailed compendium of his illustrations, is the best-selling anatomy atlas in the medical professions.

For more information or to view the exhibition, call 215.596.8721.



Illustration to the left: © 2005 Netter illustration used with permission of Icon Learning Systems, a division of MediMedia USA, Inc. All rights reserved.

**STUDENT CHARITY AUCTION RAISES MONEY FOR MANNA**

USP's Department of Student Life held its annual charity auction, *Make a Deal For a Devil*, on February 9. The event gives USP students an opportunity to have fun while giving back to the community. *Make a Deal for a Devil* is a charity auction that allowed students to bid on items such as dinner with a Student Affairs Staff member; a dinner at a local restaurant, a fitness package to a local gym, or a trendy hair style and a relaxing facial from an exclusive beauty salon. The auction raised \$1,925, which was donated to the Metropolitan AIDS Neighborhood Nutrition Alliance (MANNA) a nonprofit organization that provides direct nutritional support and promotes wellness through nutritional counseling and education to individuals and families living with HIV/AIDS.



**PENNSYLVANIA SECRETARY OF HEALTH CELEBRATES BLACK HISTORY AT USP**

Calvin B. Johnson, MD, secretary of the Pennsylvania Department of Health, presented a lecture at USP on February 3 in celebration of Black History Month. Dr. Johnson, who serves as the primary public health advocate and spokesperson for

Pennsylvania, spoke to USP students, faculty, and staff on "The Importance of Health Careers in the 21st Century."

At the beginning of his presentation, he noted that 8.4 percent of the residents of Pennsylvania over the age of 30 are African American. He added that African Americans in Pennsylvania constitute just 2.8 percent of registered nurses, 2.1 percent of physicians, 1.7 percent of physical therapists, 2.6 percent of occupational therapists, and 3.5 percent of pharmacists. He said that, although employment in these areas is expected to grow in the near future, "we're not where we should be, but we have opportunities to get where we should be."

Dr. Johnson talked about the current health care crisis and the continuing rise in health care costs. He also spoke about the importance of diversity among health care professionals and implored students to become politically educated and active. "The world needs you to make a difference and save lives," he said in his closing remarks. "Thank you for what you are doing, and keep doing it."

The lecture was sponsored by the USP Black Student Union and the Division of Student Affairs.

In Dr. Johnson's current role, he acts as the senior advisor to Pennsylvania Governor Edward G. Rendell on health matters, identifying priorities and outlining objectives to achieving these goals.



**DR. TARLOFF COEDITS  
BOOK ON TOXICOLOGY OF THE KIDNEY**

JOAN B. TARLOFF, PhD, professor of pharmacology and toxicology, co-edited a 1,176-page book, *Toxicology of the Kidney, Third Edition*, which was published by CRC Press. Dr. Tarloff also cowrote a section of the book focusing on the effects of non-steroidal anti-inflammatory drugs on the kidneys.

Updated to reflect the latest research in the field, *Toxicology of the Kidney, Third Edition* focuses on the correlation between the anatomy, biochemistry, and physiology of the kidneys. The text seeks to explain how this correlation is related to concepts of clinical nephrotoxicity and renal failure in humans and how animal models can be used to

understand the mechanisms of human renal disease. The book includes current reviews of unpublished and recently published information that allow it to serve as a concise compendium of many key topics that will continue to play a central role in the understanding and treatment of nephrotoxicity for decades to come.

Dr. Tarloff joined USP's faculty in 1988 as an assistant professor and director of the undergraduate toxicology program. She serves as an ad hoc reviewer for small business grants through special emphasis panels formed by the National Institutes of Health and is a member of the editorial advisory board for *Toxicology and Applied Pharmacology*. She is a councilor for the in vitro specialty section of the Society of Toxicology and serves as secretary/treasurer for the Toxicology Division of the American Society for Pharmacology and Experimental Therapeutics. In addition, she is past president of the Mid-Atlantic Regional Chapter of the Society of Toxicology.

To order a copy of *Toxicology of the Kidney, Third Edition* or for more information, visit [www.crcpress.com](http://www.crcpress.com).

**DR. MOYNA RECOGNIZED  
FOR SCHOLARLY RESEARCH  
WITH STUDENTS**

GUILLERMO MOYNA, PhD, assistant professor of chemistry, was awarded one of nine 2004 Henry Dreyfus Teacher-Scholar Awards presented nationwide. The \$60,000 unrestricted grant, given by the Camille and Henry Dreyfus Foundation, recognizes faculty accomplishments in scholarly research with undergraduates, as well as a compelling commitment to teaching. Criteria for selection included an independent body of scholarship and a commitment to education that signaled the promise of continuing outstanding contributions to both research and teaching.

Dr. Moyna's research efforts have focused on computational chemistry, computer-assisted rational drug design, and biomol-



ecular nuclear magnetic resonance (NMR) spectroscopy. NMR is one of the most important tools in the determination of biomolecular 3-D structures in solution. Recently, researchers have started using nonconventional NMR data, such as chemical shifts, as additional sources of

structural information. Dr. Moyna's current research is directed on the "use of theoretical 13C chemical shift surfaces and experimental data (NMR) in the study of the conformation and dynamics of histo-blood group antigen oligosaccharides."



**EVENT HELPS RAISE  
AWARENESS IN THE  
FIGHT AGAINST VIOLENCE  
TOWARD WOMEN**

USP presented a benefit production of *The Vagina Monologues* on Feb 15, 16, and 18 as part of the 2005 V-Day College Campaign. Proceeds from the events were donated to both Women Organized Against Rape and Planned Parenthood of Southeastern Pennsylvania.

Through V-Day campaigns, local volunteers and college students produce annual benefit performances of *The Vagina Monologues* to raise awareness and funds for anti-violence groups within their own communities. Last year, more than 2,300 V-Day benefit events were presented by volunteer activists around the world, educating millions of people about the issue of violence against women and girls, raising \$6 million, and benefiting more than 1,000 organizations.

*The Vagina Monologues* is a celebration of female sexuality in all its complexity and mystery. Celebrated as the bible for a new generation of women, *The Vagina Monologues* gives real women's stories of intimacy, vulnerability, and sexual self-discovery.

# SCHOLARLY ACTIVITY

## SYMBOLS

Faculty and staff = ◆

Alumni = \*

Current student = ★

## ACADEMIC ADVISING

### Awards

**FRANCES NORTHCUTT ◆**, the editors of *The Mentor: an Academic Advising Journal* announced that Frances is the winner of the journal's fourth annual Academic Writing Competition. The topic of this year's competition was "Describe your Relationship with an Advisee that Best Illustrates your Philosophy of Advising."

## COLLEGE OF GRADUATE STUDIES

### Honors

**RICHARD G. STEFANACCI ◆**, granted Fellowship Status in the College of Physicians of Philadelphia.

### Presentations

**SUSANNA DODGSON ◆**,

- "Medical Writing: Where Will We Be 10 Years From Now?" at the American Medical Writers Association Delaware Valley Chapter satellite meeting in Princeton, NJ, on October 6, 2004.
- Part of a panel in an annual conference run by the Western Massachusetts Chapter of the National Writers Union. "Write Angles," at Smith College, Northampton, discussing medical writing and science and health care journalism on October 16, 2004.

## RICHARD G. STEFANACCI ◆

- "MMA's (Medicare Modernization Act) Impact on Long Term Care" and "Best Practices in ALFs (Assisted Living Facilities)" at the AMDA (American Medical Directors Association) meeting in New Orleans, LA, on March 18.
- "MMA's Impact on Dually Eligible Long Term Care Residents" at the Families USA: Conference for State Medicaid Directors in Washington, DC, on January 28.
- "MMA's Impact of ALFs," ALPhA Keynote Speaker in Fort Lauderdale, FL, on January 20.

### Publications

## SUSANNA DODGSON ◆

- Presentation on "Medical Writing: Where Will We Be 10 Years From Now?" was reproduced in the fall 2004 issue of the *Delawriter*, a quarterly newsletter of the Delaware Valley Chapter of the American Medical Writers Association.
- "From Over the Pond: How to Become a Medical Writer," *The Write Stuff* 2005; 13(3): 70–72.

## RICHARD G. STEFANACCI ◆

- "Envisioning the Future of Senior Care: New Models, Improved Outcomes," 2004.
- "The Senior Care Source: Facts, Figures, and Forecasts" 2005.
- "Storm Warning: MMA's Impact on ALFs," *Assisted Living Consult*, 1(1):15–17, 2005.

- "What's in a Name?...The Assisted Living Consult," *Assisted Living Consult*, 1(1):3, 2005.
- "Ethical Dilemmas—Give Me a Shot," *Caring for the Ages*, 6(1):28, 2005.
- "Ethical Dilemmas—Extortion," *Caring for the Ages*, 5(12):25, 2005.
- "Ethical Dilemmas—My Wishes," *Caring for the Ages*, 5(11):20, 2005.
- Cowritten with **BOLHACK S.**, "Networking the Assisted Living Facility with the Community," *Assisted Living Consult*, 1(1):10–12, 2005.

## DEPARTMENT OF BIOLOGY

### Presentations

## ARA DERMARDEROSIAN ◆

- "Ethnobotany and Phytochemistry of the Sacred Blue Lily of the Nile, *Nymphaea caerulea* (Nymphaeaceae)" at the International Congress on Natural Products Research, a joint meeting of the American Society of Pharmacognosy with three other European and Asian groups, in Phoenix, AZ, July 3–August 4, 2004. This was part of the PhD thesis of **MICHAEL YOSHPA \***, 2004.
- Attended and participated in a half-day Complementary and Alternative Medicine (CAM) retreat at the University of Pennsylvania on November 15, 2004.

## SUZANNE MURPHY ◆, et al.,

"HSP 70 Levels Are Elevated in Fibroblasts Overexpressing Cellular Ras Protein" at The American Society for Cell Biology meeting in Washington, DC, in December 2004.

## THAOI NGO ★, MARGARET KASSCHAU ◆

presented a poster titled, "Formation and Inhibition of Filopodia Earthworm Coelomocytes" at The American Society for Cell Biology annual meeting in Washington, DC, December 4–8, 2004.

## JAMES PIERCE ◆

"Genome Analysis of the Horseshoe Crab, *Limulus Polyphemus*," invited speaker at the Department of Biology Seminar Series in Gettysburg College in 2004.

### Publications

**TAWFEQ AL-HOWIRINY**, **ADNAN AL-REHAILY**, **JOANNA POLS ★**, **JOHN PORTER ◆**, **JABER MOSSA**, **BAHAR AHMED**, "Three New Diterpenes and the Biological Activity of Different Extracts of *Jasonia Montana*," *Natural Products Research*, 19: 253–265, 2005.

## ARA DERMARDEROSIAN ◆

- "Common Sense and Nutritional Faddism or Grandma was Right!" *Journal of the American Nutraceutical Association*, Vol. 7, No. 2, 2004.
- Coedited along with **JOHN BEUTLER ◆**, *The Review of Natural Products* an 869-page reference text published by Facts & Comparisons.

# SCHOLARLY ACTIVITY

SUZANNE MURPHY ♦, et al., "HSP 70 Levels Are Elevated in Fibroblasts Overexpressing Cellular Ras Protein," *Molecular Biology of the Cell*, 15, 361a, 2004.

JAMES PIERCE ♦, article on evolution for the *Wilmington News Journal* on January 19.

JAMES PIERCE ♦, et al., "Characterization of Eastern Oyster (*Crassostrea virginica* Gmelin) Chromosomes by Fluorescence in situ Hybridization with PI Clones," *Marine Biotechnology*.

## DEPARTMENT OF HUMANITIES

### Awards

CHRISTINE FLANAGAN ♦, *Unfurnished*, a one-act play, won the Chameleon Theatre's One Act Play Competition in Minneapolis, MN, in February.

### Presentations

CHRISTINE FLANAGAN ♦, one-act play *Unfurnished* was produced by the Riant Theater in New York City on February 5, 6, 12, and 13. The play was a semifinalist in the theater's one-act play competition.

### Publications

RUTH K. CRISPIN ♦, "La voz a ti debida and the Poetics of Translation," in *Studies in Honor of Denah LLida*, Scripta Humanistica, 2005.

## DEPARTMENT OF INFORMATION SCIENCE

### Publications

GINA KAISER ♦, book review of *A Taste of the Sweet Apple: A Memoir* by Jo Anna Holt-Watson, which appeared in *Library Journal*, Vol. 129, (20):118-119, December 2004.

## DEPARTMENT OF MATH, PHYSICS, AND COMPUTER SCIENCE

### Publications

PAUL HALPERN ♦, "Nordström, Ehrenfest and the Role of Dimensionality in Physics," *Physics in Perspective*, Vol. 6, No. 4, pp. 390-400, December 2004.

## DEPARTMENT OF PHARMACEUTICAL SCIENCES

### Presentations

ADEBOYE ADEJARE ♦, et al., "Design and Syntheses of Non-Peptide gamma-Secretase Inhibitors" at the Cold Spring Harbor Laboratory Meeting on Drug Discovery in Neurodegenerative Disorders, Cold Spring Harbor, NY, in December 2004.

### Publications

ADEBOYE ADEJARE ♦, et al., "A Randomized Crossover Study Investigating the Influence of Ranitidine or Omeprazole on the Pharmacokinetics of Cephalexin," *Journal of Clinical Pharmacology*, 2004, 44, 1391-1397.

BILL J. BOWMAN ♦, CLYDE OFNER ♦, HANS SCHOTT, "Colloidal Dispersions" in *Remington: The Science and Practice of Pharmacy*, 21st Ed, 2004.

## DEPARTMENT OF PHARMACY PRACTICE AND ADMINISTRATION

### Presentations

DANIEL HUSSAR ♦♦,

- "New Drug Update" at the Colorado Pharmacists Society midyear meeting in Aspen, CO, on January 9.
- "New Drugs of 2004" at the Connecticut Pharmacists Association midyear meeting in Southington, CT, on February 3.
- "Pharmacy Ethics" at the Pennsylvania Pharmacists Association Academy of Pharmacy Students in Grantville, PA, on February 4.

### Publications

DANIEL HUSSAR ♦♦,

- "Acamprosate Calcium and Solifenacin Succinate," *J Am Pharm Assoc.* 2005; 45: 109-111.
- "New Drugs 05 Part 1," *Nursing*, 2005 (February); 35:54-63.
- "New Drugs 05 of 2004," *The Drug Advisor* 2005 (January);4:1-8.

DANIEL HUSSAR ♦♦, ALICIA REESE ♦, "The Oral Fluoroquinolones," *The Drug Advisor* 2004; 3(11):1-16.

ALICIA REESE ♦, et al.,

- "Antimicrobial Activity of Tigecycline Against Clinical Isolates of Gram-Negative Bacteria from an Academic Medical Center" at the American College of Clinical Pharmacy Annual Meeting in Dallas, TX, October 24-27, 2004. Abstract 158. *Pharmacotherapy*, 2004; 24(10):1444.
- "A Retrospective Analysis of Vitamin K Dosing and INR Decline During Interruption of Warfarin Therapy for Invasive Procedures" at the American College of Clinical Pharmacy Annual Meeting in Dallas, TX, October 24-27, 2004. Abstract 413. *Pharmacotherapy*, 2004; 24(10):1481.

DEEPIKA VADHER ♦♦, et al.,

"Development of a Pharmacy Care Plan and Patient Problem Solving," *Remington: the Science and Practice of Pharmacy*, 21st ed. 2004.

## DEPARTMENT OF PHYSICAL THERAPY

### Presentations

PETER MILLER ♦, MICHELLE COHEN ♦, "Determining Risk Factors for Falls in a PACE Population" at the National PACE Association Conference in Miami, FL, on October 13, 2004.

**PETER MILLER** ♦, "Developing Effective Learning Outcomes and Assessment Tools in Student Affairs" at the Delaware Valley Student Professionals Association Annual Conference in Blue Bell, PA, on February 11.

**LORA PACKEL** ♦, "Cancer Related Fatigue and Deconditioning" poster presentation has been accepted for the 2005 American Physical Therapy Association's Combined Sections Meeting.

**DEPARTMENT OF SOCIAL SCIENCES**

*Grants*

**MEI-LING WANG** ♦, **C. REYNOLD VERRET** ♦, **VINAND NANTULYA**, **AND ROBERT FIELD** ♦, jointly submitted a grant proposal for a three-year project entitled "Genetic IPR, the Practice of Sciences and Health Care" to the National Human Genome Research Institute, National Institutes of Health, on November 20, 2004. This study is designed to investigate the effect of US genetic IPR (Intellectual Properties Rights) practices on scientific progress and public access to health care with the aim to improve current scientific framework for accessing genetic and genomic material.

*Presentations*

**KEN LEIBOWITZ** ♦, "The Art of Active Listening" at the Johns Hopkins Cancer Center in Baltimore, MD, on December 21, 2004.

**MEI-LING WANG** ♦,

- "Improving Access to Data and Health Care: A Global Comparison of the Policies on Intellectual Property Rights to Genetic Data" at the Nebraska Department of Health on October 26, 2004.
- "Improving WTO Rules on HIV Pharmaceutical Patent for Developing Countries" at the 2004 International AIDS Conference in Bangkok, Thailand, on July 16, 2004.
- "Pharmaceutical Access and Patent for HIV Medicine in China: A Framework of Legal and Policy Solutions," a poster presentation at the 2004 International AIDS Conference in Bangkok, Thailand, on July 16, 2004.
- Presented issues about domestic violence at the 6th annual National Survivors of Violence Conference at Harvard School of Public Health on April 16, 2004.
- "Crossroads on Care and Culture: Globalization and Health Issues in Asia" at the Freeman Lecture at Ursinus College on March 27, 2004.

*Publications*

**PATRICIA DITUNNO** ♦, et al., "Walking Scale for Spinal Cord Injury (WISCI): Criterion Validation," *Spinal Cord*, 43(1), 27–33.

**PHILIP GEHRMAN** ♦, et al., "The Timing of Activity Rhythms in Dementia is Related to Survival," *Journal of Gerontology: Medical Science*, 59(10): M1050–M1055, 2004.

**JOSEPH RUANE** ♦, **NANCY DIPASQUALE RUANE**, "Program Evaluation" book chapter in *Handbook of Home Health Care Administration*, edited by Marilyn Harris and Jones and Bartlett Publishers, Inc.

*Workshops*

**JOSEPH RUANE** ♦, USP faculty athletics representative, completed two NCAA Advanced Diversity Education Workshops, "Gender Issues in Intercollegiate Athletics" and "Race Issues in Intercollegiate Athletics" at the 99th NCAA Convention in Grapevine, TX, January 6–10.

**DEPARTMENT OF STUDENT AFFAIRS**

*Presentations*

**JULIANNE SCIBETTA** ♦, "Understanding the Millennial Generation" at both the Physician Assistant Department Training and the Student Life Professional Development Committee at Drexel University January 4 and 28.

**MUSEUM—MARVIN SAMSON CENTER FOR THE HISTORY OF PHARMACY**

*Exhibition*

**MICHAEL BRODY** ♦, "Grinding Stone to Art Object: The Mortar and Pestle from the Renaissance to the Present," displayed at Wyeth Pharmaceuticals in Collegeville, PA, December 2004–December 2005. The exhibition includes a 10-page brochure authored by Brody.

**TEACHING AND LEARNING CENTER**

*Publications*

**PHYLLIS BLUMBERG** ♦, **JUSTIN EVERETT** ♦, "Achieving a Campus Consensus on Learning-Centered Teaching: Process and Outcomes," *To Improve the Academy*, Vol. 23, Sect. 111–12, pp. 191–210.

**PHYLLIS BLUMBERG** ♦, "Beginning Journey Toward a Culture of Learning-Centered Teaching," *The Journal of Student Centered Learning*, Vol. 1, No. 3, pp. 69–80, 2003.

# ALUMNI EVENTS

**I WANT TO TAKE THIS OPPORTUNITY** to thank all of you for your support of our alma mater. You have given your time, advice, money, services, and, in some cases, even your children (I can't believe how many of my friends' kids are students here).

If you aren't involved as of yet, I urge you to become involved. The Alumni Association is stronger than ever; and more and more people have been attending events on campus and around the country. Hope to see you soon.

Stacy M Rosemarin P'83  
Director of Alumni Relations  
215.596.8856 (local calls)  
1.888.857.6264 (toll-free)  
s.rosema@usip.edu

*Left to right: Jerry McFarland P'78, Gail Kenny Scott P'78, and Joe Scott P'78 at the Ft. Lauderdale Dinner, January 17, 2005.*



*Left to right: Christine Birnie P'94, PhD'00, Dorothy Janeczek Escobar MS'80, PhD'84, and Agustin Escobar at the Ft. Lauderdale Dinner, January 17, 2005.*



*Left to right: William Levin P'54, and Hillard Mann P'54 at the Key Biscayne Dinner, January 20, 2005.*



*Left to right: Larry Kovalick P'88, PharmD'98, Chris Marucci DeSantis P'89, PharmD'04, Bob Begliomini P'90, PharmD'99, and Aneta Malysiak at ASHP, Orlando, FL, December 7, 2004.*



*Left to right: Jennifer Bracey Weader P'77, Dan Hussar P'62, MS'64, PhD'67, and Elwood Bracey P'32 at ASHP, Orlando, FL, December 7, 2004.*

Left to right: Gloria Garson and Samuel J. Colton P'54 at the Ft. Lauderdale Dinner, January 17, 2005.



Left to right: Arlyne B. Garde and Herbert S. Garde P'48 at the Ft. Lauderdale Dinner, January 17, 2005.



Left to right: Mildred B. Miller P'48 and David Miller P'49 at the Ft. Lauderdale Dinner, January 17, 2005.



Left to right: Morton Rosenfeld P'36 and Sylvia Rosenfeld BACT'38 at the Boca Raton Dinner, January 19, 2005.



Chris Van Besien Ph/Tx'00, Upsilon Sigma Phi, addressing crowd at the Greek Leadership Program, USP, January 21, 2005.

# ALUMNI FOCUS

## BETTY JEAN HARRIS, P'75, PharmD

While a student at Philadelphia College of Pharmacy and Science in 1971, Dr. Betty Jean Harris attended her first American Pharmaceutical Association (APhA), now the American Pharmacists Association, meeting. The opportunity to rub elbows with regional and national leaders in the pharmacy profession made a lasting impression.

Little did she know that the APhA would become her outlet for a professional legacy. Dr. Harris established a well-respected career that has focused on providing quality service, expertise, and leadership for APhA and the pharmacy profession. She was elected as the 1998–99 Speaker of the APhA House of Delegates and served as an APhA Board of Trustees member. She also has served on APhA's policy and reference committees. She is a past president and past speaker of the Florida Pharmacy Association (FPA), past speaker of the FPA House of Delegates, and past president of the Florida Pharmacy Foundation. In 2001, she was selected as a council member to the American Council on Pharmaceutical Education (now the Accreditation Council for Pharmacy Education), the accrediting body for pharmacy schools and providers of continuing education.

Before Dr. Harris began her current career as a consulting pharmacist, she worked 14 years at PharMerica, a long-term care and institutional pharmacy provider in Pompano Beach, Fla. She served a variety

of roles, including as staff pharmacist, consulting pharmacist, regional director of consulting, lead consultant, and general manager. Her responsibilities included reviewing and providing medications and overseeing the operation of services for more than 4,500 residents. Previously, she was a pharmacy manager for 11 years at Eckerd's Drug.

Dr. Harris' reputation for being a caring and knowledgeable consulting pharmacist has garnered her numerous awards. In 2002, the University of Florida presented her with its Distinguished Pharmacy Service Award. She was honored by the FPA in 2000 with its highest honor, the James H. Beal Florida Pharmacist of the Year Award. This honor was bestowed upon her by her fellow pharmacists statewide in recognition of her "outstanding service to pharmacy." She received a distinguished alumnus award in 1998 from Nova Southeastern University, where she received a doctor of pharmacy degree. Merck and Lambda Kappa Sigma named her a 1998 recipient of their Vanguard Leadership Award, which is presented to a pharmacist who "has made exemplary contributions in their areas of practices, in professional associations and/or regulatory bodies, and in their communities."

Dr. Harris currently resides in Lighthouse Point, Fla.



## HERBERT S. CARLIN, MS'59, DSC'84

If you asked Dr. Herbert S. Carlin to list all his awards and honors over his long and distinguished career, it would take him awhile to recall all of them. A nationally recognized leader in pharmacy, Dr. Carlin has been lauded by many organizations for his efforts in establishing a cutting-edge pharmacy practice and mentoring pharmacy students and resi-



dents. In December 2004, he was named an honorary member of the American Society of Health-System Pharmacists (ASHP) for his outstanding contributions to pharmacy practice in health systems. Among his most notable awards are the American Pharmaceutical Association's (APhA), now the American Pharmacists Association, Hugo Schaefer Award and the ASHP's Harvey A.K. Whitney Lecture Award,

which is health-system pharmacy's highest honor. He received an honorary doctor of science from Philadelphia College of Pharmacy and Science in 1984 and received an honorary membership in the United States Pharmacopeia in 2000.

Dr. Carlin was one of the top hospital pharmacists who supported the APhA's drug product selection policy. He has championed several major movements within the profession, including the use of multisource pharmaceuticals in hospitals based on the formulary system. His tireless leadership in pharmacy professional associations has been remarkable. He is one of only a few individuals who have served as president of both the ASHP and APhA.

Currently, Dr. Carlin is the president of Pharmaceutical Management Insight. He previously served 13 years as vice president for professional relations of Schein Pharmaceutical, Inc., which was acquired in 2000 by Watson Pharmaceuticals, Inc. Before joining Schein, he was the associate director and apothecary-in-chief of the Society of New York Hospital and previously led pharmacy services at University of Illinois Hospital and University of Colorado Medical Center.

During his career, he has practiced community pharmacy and has been a professor of pharmacy and pharmacy administration at several colleges, including PCPS, the University of Illinois, and the University of Rhode Island. He is also on the Dean's Advisory Council at Philadelphia College of Pharmacy, Temple University's College of Pharmacy, University of Illinois College of Pharmacy, and University of Tennessee College of Pharmacy.

Dr. Carlin has been active in a variety of professional organizations, including serving as secretary of the Warwick Pharmaceutical Association, vice president of the Colorado Society of Hospital Pharmacists, and president of the Northern Illinois Society of Hospital Pharmacists and the Illinois Council of Hospital Pharmacists. He has been a member on the boards of the National Health Council and American Foundation for Pharmaceutical Education. For the past 30 years, he has chaired several committees of the United States Pharmacopeia and serves as a member of the National Coordinating Council for Medication Error Reporting and Prevention.

Dr. Carlin resides in Califon, N.J., with his wife Mary Joan.

# CLASS NOTES

## 1954

**MAURICE GOLBERG** P'54 received a plaque in December 2004 from the College of Physicians of Philadelphia for service and advocacy for its Philly Health Information project.

## 1962

**ANTHONY J. SZUSZCZEWICZ** P'62, MS'64 was elected chairman of the board at Nazareth Hospital. He is currently president of Polonia Bank and sits on many boards throughout the Philadelphia and South Jersey area including Mercy Health System, Holy Family University, Northeast Catholic High School, and The American Center of Polish Culture in Washington, DC.

## 1966

**JOHN FRANCESCHINI** P'66 (MA'70 Drexel University) announced his retirement from Marketing Strategy Associates, his health care marketing research consultancy, this past summer. John is living in Irvine, CA, with his wife Erika.

## 1972

**SAMUEL J. CHIDO** P'72 is the author of *Thirty Twice Tiny Tales of Terror*. He also does voiceover and radio commercials and holds two copyrights.

## 1976

**RENEE PLAWNER TANNENBAUM** PharmD'76 has been promoted to vice president of Americas for ConvaTec, a division of Bristol-Myers Squibb. In this position, Renee is responsible for the ConvaTec business in the U.S., Canada, and Latin America.

## 1977

**CINDY HAMILTON** PharmD'77 was reelected treasurer of the American Medical Writers

Association (AMWA) at its 2004 annual meeting. She was first elected treasurer in 2003 and has served on the AMWA Executive Committee for the last three years.

**ALAN JAY PERNICK** P'77 graduated from Ross University of Medicine in June 2004 and is currently in a family practice residency with the Department of Family Medicine at the University of Alabama Health Sciences Center.

## 1982

**JEFFREY RESES** P'82 and **PAUL RESES** P'72 have purchased McCarthy Respiratory Services in Cape May, NJ. This is an expansion to their other company, Linda Medical Supply, in Pleasantville, NJ.

## 1984

**GARY STOPYRA** Tox'84 (MD'96 Hahnemann University) and his wife Regina announced the birth of their twin sons Michael David and Christian Daniel. Gary is a surgical pathologist and director of the microbiology and immunology laboratories at Pennsylvania Hospital in Philadelphia.

## 1985

**JEFFREY E. GOLDMAN** P'85 (JD '92 Temple University) and his co-counsel were on the front page of the *Legal Intelligencer* on the case of Dearlove v. Genzyme Transgenics Corp. They successfully secured class-action status for 625 former employees of Primedica, Inc., a subsidiary of Genzyme Transgenics Corp., whose stock options were canceled after the subsidiary was sold. Many employees relied on the stock options as their nest egg for retirement.

## 1986

**DAVID B. JOSEPH** Tox'86 (PhD'91 University of Kansas) and his wife Jennifer announced the birth of their daughter Shayna on October 25, 2004. Shayna joins big brother Issac (3). The proud aunt and uncle are **ANDREA (STEIN) JOSEPH** P'83 and **ADLAI P. JOSEPH** P'79. David is a pharmacology/toxicology reviewer at the Food and Drug Administration, Division of Gastrointestinal and Nutrition Drug Products. Jennifer is an English tutor.

## 1987

**SALLY (WOLFGANG) TICE** P'87 (MHA'97 St. Joseph's University) graduated from Shenandoah University in Winchester, VA, in December 2004 with a PharmD degree. She is employed at Geisinger Medical Center, Danville, PA, as an infectious disease and clinical pharmacist.

## 1988

**DANIEL WHITE** P'88 and his wife Maribeth had a baby boy Aidan Michael on September 9, 2004. That was also the date of their ninth anniversary.

## 1992

**JULIE A. KASE** Psych'92 successfully defended her PhD dissertation in December 2003 and graduated from the University of North Carolina at Chapel Hill School of Public Health with a focus on environmental microbiology. Julie recently accepted employment with the North Carolina State Laboratory of Public Health as a public health scientist in the Bioterrorism and Emerging Pathogens Unit.

## DOTTIE (COSTELLO)

**DEMARCO** P'92 ran the Rock'n Roll Half Marathon in Virginia Beach, VA, on September 5, 2004, raising more than \$10,000 for leukemia

and lymphoma research. Her son Michael (3) was diagnosed with leukemia in November 2003. She resides in Marlboro, NY, with husband Mike, daughter Megan, and son Michael. Dottie is a senior sales rep for Eli Lilly Company's neuroscience division.



## 1993

**NISHAMINY KASBEKAR** P'93, PharmD'95 was recently selected by the *Philadelphia Business Journal* into its annual 40 under 40 awards program. This program selects 40 individuals under the age of 40 who have made a positive impact on their profession and are the region's brightest business stars.

**SHELLY L. MORRIS** P'93 and Glenn T. Stokes were married on September 12, 2004, in Elmer, NJ. **ANDREA (BALUH) BILLEY** P'93 was a member of the wedding party. Shelly is a staff pharmacist for Acme. The couple lives in Bridgeton, NJ.

## 1994

**MARYANN (WEIS) DROLET** MT'94 currently resides in Lancaster, PA, with her husband Adam and children Alexander and Isabella. After working as a medical technologist for 10 years at Lancaster General Hospital, she is now working in Strasburg, PA, as a research associate at the Amish Research Clinic for the University of Maryland. The clinic has several research projects in the areas of cardiovascular, hypertension, osteoporosis, longevity, coronary calcification, and celiac. The main subjects of the clinic are the Old Order Amish.

## 1995

**KIM M. BOYD** MPT'95 announced the birth of her daughter Emily Amanda on September 8, 2004.

**AMANDA CLUGSTON** P'95 and James A. Galindo were married October 31, 2004, in a full costume Halloween wedding in Balboa Park, San Diego, CA. Amanda is a pharmacist with Rite Aid Pharmacy. They live in San Diego.

**ANNEMARIE MARASCO** P'95 was recently promoted to the position of district manager at Acme Inc. AnneMarie began her career with Acme in 1995 as a pharmacy intern and was quickly promoted to pharmacist and pharmacy manager. In 1997, she became a lead store coordinator for eight stores and one year later was promoted to pharmacy ops specialist for New Jersey. For the past several years, she has been the division pharmacy manager.

## 1996

**JENNIFER (TALLO) MARSHALL** P'96 (MS'01 Temple University, PharmD'03 Shenandoah University) and her husband Robert announced the birth of their first child Emily Morgan on September 27, 2004. They reside in Willow Grove, PA.

## 1997

**MICHELLE (HAIN) SZAUTNER** P'97 and her husband Christian were delighted to welcome their



daughter Mikaela Maida on June 15, 2004.

Michelle is currently a staff pharmacist for the Children's Hospital of Philadelphia.

## 1998

**JENNIFER CICCONE** P'98 and her husband Greg welcomed their daughter Natalie Anne on October 22, 2003.

**ERIC FOX** P'98 and his wife Agnes announced the birth of their daughter Tesla Zofia. The name Tesla comes from the scientist Nikola Tesla, an electrophysicist.

**JENNIFER (GAGLIARDI) SANTANIELLO** MPT'98 and her husband Bob announced the birth of their daughter Francesca Alaina on June 5, 2004. Francesca joins big sister Victoria and big brother Dominick. Jennifer works at Shore Rehabilitation Institute in Brick, NJ, and resides in Tinton Falls, NJ.

## 1999

**KERI (GERBER) BROWN** P'99 and her husband Floyd announced the birth of their daughter Madison Lee on November 8, 2003. They reside in Lehigh, PA.

**MING-MING TUNG-EDELMAN** PharmD'99 was honored in December 2004 at the American Society of Health-System Pharmacists midyear meeting with a Best Practice Award. The annual award recognizes pharmacists who have demonstrated leadership in pharmacy practice, especially in areas that significantly improve the quality of patient care. Ming-Ming was recognized for her involvement in the "Seven-Year Journey of a Collaborative Disease Management Program."

## 2001

**JACK BROWN** PharmD'01 and his wife Kristen announced the birth of their daughter Alana Rose on November 11, 2004. The family lives



in New Hampshire where he works as the clinical specialist for infectious disease at the Dartmouth Hitchcock Medical Center.

**CHRISTY-LEE LUCAS** PharmD'01 and **KENNETH RADISHOFSKI** PharmD'03 were married on May 1, 2004, at St. Patrick's Church in Philadelphia. Members of the wedding party included matron of honor **MICHELE HANSON** B'99, best man **CRAIG PETRUZZELLI** PharmD'03, and **JATIN PATEL** PharmD'03. Other alumni in attendance were



**MICHELLE SHANK** PT'02, **CIARAN MCCRORY** PharmD'04,

**MIKE DRYSLEWSKI** PharmD'05, **AMIT BHATT** PharmD'03, **NISHA SHAH** PT'02, **NIRAV PATEL** PharmD'03, **MARYANN (SUSINSKI) MAZER** PharmD'01, **JAMES TOCZYLOWSKI**, PharmD'05, **DEANNA MANNING** PT'02, and **CHETNA KABARIA** PharmD'04. Christy-Lee is a pharmacist for CVS, and Kenneth is a pharmacist for Walgreens. They live in Warrington, PA.

## 2002

**EDWARD C. LI** PharmD'02 has been appointed as tenure-track faculty at Wilkes University in Wilkes-Barre, PA. He is an assistant professor of pharmacy practice specializing in oncology pharmacy practice.

**BRIAN F. MCBRIDE** PharmD'02 completed a cardiovascular pharmacology fellowship at Hartford Hospital on June 30, 2004, and was

appointed a National Institutes of Health (NIH) Fellow in Clinical Pharmacology, Division of Clinical Pharmacology, at Vanderbilt University School of Medicine in Nashville, TN. He now receives research support from an NIH Clinical Pharmacology Training Grant. The total amount of the award is \$380,435. Dan M. Roden, MD, the world's leading authority on the treatment of arrhythmogenic cardiovascular disease, is program director for the award.

### IN MEMORIAM:

## 1931

**FRANK J. YELEN** P'31 passed away on October 1, 2004. He is survived by his wife Sue.

## 1941

**LOUIS C. CIPRIANY** P'41, MS'50 passed away on February 18. He was the coowner of E.H. Bernstine Pharmacy in Newberry from 1960 to 1971 and of Lehman's Pharmacy in Jersey Shore from 1959 until his retirement in 1987. He was a former president of the Northcentral Pennsylvania Pharmaceutical Association. He was a charter member of the Phi Delta Chi fraternity at Philadelphia College of Pharmacy and Science. He was predeceased by his wife Elizabeth in 1980. He is survived by sons Darrell and Dennis, grandsons Benjamin and Timothy, and brother Arthur.

## 1945

**CHRISTINE LEUF BIEDERMAN** C'45 passed away on May 31, 2004. Her survivors include daughter Sue Miller.

# GIVE THE GROWTH



*"A generous man places the benefits he confers beneath his feet; those he receives, nearest his heart."*

— Lord Greville (1554–1628), British Poet

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Also, consider the capital gains tax Mrs. Donor would have to pay if she sold those 100 shares outright. Ouch. She avoids all of that by simply transferring those shares to the University. Since USP is a qualified charity, the IRS permits us to sell those appreciated shares without paying tax. We are able to avoid the "growth tax,"

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GIVING  
STOCK IS A  
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Now do you see why we encourage our donors to "give the growth"?

There are, of course, a few rules. First, you must have owned the stock for at least a year and a day prior to making the gift. Second, the value of the gift is determined by the average trading price on the day the gift is made.

Third, the charitable income tax deduction can be applied, on an itemized return, up to 30 percent of the donor's adjusted gross income, whereas a cash gift is deductible up to 50 percent. Fourth, if you are unable to apply all of the deduction in one year, you have an additional five years to use it.

Your accountant can explain these things and anything else that may apply to your situation. It's always prudent to obtain professional advice when making a noncash gift.

You may agree that "giving the growth" is a good idea, but the process may seem difficult. After all, "I haven't done anything like that before." Well, this is one reason we have a planned giving office at USP. We are experienced gift planners and can explain how the process works and assist you along the way.

Actually, giving stock is a common practice for many donors. It's much easier than most people think. For more information, request our free brochure on gift annuities. Use the handy response form to the left, or call the USP Office of Institutional Advancement at 1.888.857.6264. If you wish, I will be happy to discuss these matters with you personally.

  
Kenneth J.D. Boyden, Esquire

# YOUR NEWS



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## IN OUR NEXT ISSUE...

- USP celebrates 184th commencement
- Future of public health discussed at symposium
- Exhibition showcases renowned anatomy artist's illustrations
- New research professorship recognizes women's leadership and health



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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
Bl	Biology
Blnf	Bioinformatics
BW	Biomedical Writing
C	Chemistry
CS	Computer Science
ES	Environmental Science
HPSy	Health Psychology
HS	Health Science
MB	Microbiology
MOT	Master of Occupational Therapy
MPT	Master of Physical Therapy
MS	Master of Science
MT	Medical Technology
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



PHILADELPHIA COLLEGE OF PHARMACY  
MISHER COLLEGE OF ARTS AND SCIENCES  
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COLLEGE OF GRADUATE STUDIES

## CALENDAR OF EVENTS

- May 7 Reunion, USP Campus
- May 10 The Future of Public Health (Health Policy Symposium), USP Campus
- May 12–13 Delaware Pharmacist Society Meeting
- May 14 AOTA Alumni & Friends Reception
- May 15 Florida Boat Trip Brunch
- May 17 Misher College of Arts & Sciences Graduate Reception
- May 18 Graduation Awards Lunch/Rehearsal
- May 19 Commencement
  
- June 7 Public Health Conference Pharmacy Reception, Philadelphia, PA
- June 8–11 APTA Meeting, Boston, MA
- June 29 NJPhA Alumni & Friends Breakfast
- June TBD PA Alumni & Friends Reception

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

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