

the PURDUE  
**pharmacist**

SPRING 2009 • VOLUME 85 NO. 1



Advancing Pharmacy Education in  
**A Virtual World**

**PURDUE**  
UNIVERSITY



One hallmark of a program of excellence is the use of innovative approaches in accomplishing its learning mission. As you can see on the cover of this issue of *The Purdue Pharmacist*, an example of this innovation is a new Virtual Clean Room developed by Dr. Steven Abel and colleagues. Beginning on page 6, you can learn about this pioneering method to introducing our students to a clean room environment. Funded through a grant from the Office of the Provost and the use of unrestricted gift funds to the School, this is an excellent example of how the gifts of our alumni and friends are helping to support educational innovation.

An exciting new global outreach, led by Dr. Stephen Bryn, is seeking to create a sustainable medicine program centered in Tanzania, Africa. The lack of access to life-saving and life-changing medicine remains a critical problem in much of the developing world. Dr. Bryn has launched this new initiative to create the infrastructure necessary to provide access to essential medicines in central Africa. While the article on page 16 provides you a good overview of the program, I confess that it hardly conveys the excitement one sees in Dr. Bryn's eyes when he describes his engagement in this important initiative.

The energy and commitment of our faculty is at the root of our success of being a program of excellence. In this issue, we are delighted to update you on two long time contributing faculty—Drs. Stan Hem and Stan Shaw. We are also most pleased to announce a fundraising effort to create an endowed scholarship to recognize the tremendous contributions made by Dr. Hem over his 40 years of service to Purdue University. You can learn more about this effort on page 21.

As we have worked to provide our communications in the most cost-effective manner, the School launched its online version of the *2008 Annual Report* in January. We will no longer distribute a printed version of the report, but all of the information you are accustomed to reading can be found on the School's website at [http://www.pharmacy.purdue.edu/advancement/publications/annual\\_reports/2008/](http://www.pharmacy.purdue.edu/advancement/publications/annual_reports/2008/). We will, however, continue to periodically include some of the annual report information in *The Purdue Pharmacist*. We hope you enjoy reading about the many accomplishments and goals of the School during the past fiscal year.

It is with much anticipation that we approach the start of our celebration of 125 years of excellence for the School of Pharmacy and Pharmaceutical Sciences beginning in the fall of 2009. We hope you enjoyed the 18-month calendar that was included in the last issue of *The Purdue Pharmacist*. You will find a brief listing of upcoming events on page 10 of this issue. We will include more information on our website soon, so please check online at [www.pharmacy.purdue.edu](http://www.pharmacy.purdue.edu) for announcements. We look forward to having you join us on campus as we celebrate our past and build our future.

Hail Purdue!

A handwritten signature in black ink, which appears to read "Craig K. Svensson". The signature is fluid and cursive.

Craig K. Svensson  
Dean

**ON THE COVER:**  
**Dr. Steven Abel introduces PharmD students to the new Virtual Clean Room located on campus. See story on page 6.**

# the PURDUE pharmacist

SPRING 2009 • VOLUME 85 NO. 1



## 2 Pharmacy Awards Day 2008



## 6 A Virtual Clean Room The Answer to Essential Hands-On Training



## 12 Pharmacy Practice Kenya Program Update The Sally Test Pediatric Center

### FEATURES

|  |    |
|--|----|
| ANGELO AND JEANNINE CARNAGHI: SEIZING AN OPPORTUNITY, ENDOWING A LEGACY .....                  | 5  |
| 2009 PHARMACY EVENTS CALENDAR .....  | 10 |
| A LONG TIME COMING - 1948 PHARMACY ALUM RETURNS AFTER 60 YEARS, AWARDS PROGRAM WITH GIFT ..... | 11 |
| JEANANNE (BS 1961) AND JIM CHANEY – CRUT WRITES THE PERFECT PRESCRIPTION .....                 | 14 |
| DEVELOPING A SUSTAINABLE MEDICINE PROGRAM IN TANZANIA .....                                    | 16 |

|  |    |
|--|----|
| GREGORY D. WASSON (BS 1981) NAMED CEO OF WALGREENS ..... | 18 |
| SPOTLIGHT ON STANLEY L. HEM .....                        | 20 |
| FACULTY EMERITUS: STANLEY SHAW .....                     | 22 |
| 7TH ANNUAL GARNET E. PECK SYMPOSIUM .....                | 23 |

### DEPARTMENTS

|  |    |
|--|----|
| FACULTY & STAFF NEWS .....               | 20 |
| ALUMNI, STAFF & STUDENT ACTIVITIES ..... | 24 |
| CLASS NOTES .....                        | 28 |

#### THE PURDUE PHARMACIST

Volume 85, Issue 1 (Spring 2009)

#### ADMINISTRATION

**Craig K. Svensson**  
Dean, College of Pharmacy, Nursing, and Health Sciences

**Steven R. Abel**  
Assistant Dean for Clinical Programs

**Eric L. Barker**  
Assistant Dean for Graduate Programs

**Holly L. Mason**  
Senior Associate Dean

**Steven A. Scott**  
Interim Assistant Dean for Assessment and Accreditation

**Val J. Watts**  
Associate Dean for Research

#### DEPARTMENT HEADS

**Steven R. Abel**  
Pharmacy Practice

**Richard F. Borch**  
Medicinal Chemistry and Molecular Pharmacology

**Stephen R. Byrn**  
Industrial and Physical Pharmacy

#### ADVANCEMENT OFFICE

**Amy K. Chandler**  
Writer/Editor, The Purdue Pharmacist  
chandler@purdue.edu

**Dana Neary**  
Manager of Alumni Relations and Special Events

**Christopher Smith**  
Director of Advancement

**Linda A. Yelton**  
Manager of Stewardship

**The School of Pharmacy and Pharmaceutical Sciences**  
Purdue University  
Heine Pharmacy Building, Room 104  
575 Stadium Mall Drive  
West Lafayette, IN 47907-2091  
(765) 494-1361  
(765) 494-7800 Fax  
www.pharmacy.purdue.edu

The Purdue Pharmacist is published three times per year for alumni and friends of the School of Pharmacy and Pharmaceutical Sciences at Purdue University. We welcome your comments, opinions, and questions.

Publication designed by Dawn Minns, Uppercase Design.

© 2009 by the School of Pharmacy and Pharmaceutical Sciences at Purdue University. All rights reserved. No part of this publication may be reproduced or duplicated without the prior written permission of the publisher. While every effort has been made to ensure the accuracy of the information included in this publication at the time of printing, the publisher shall not be liable for damages arising from errors or omissions. Purdue is an equal access/equal opportunity university.

# PHARMACY AWARDS DAY 2008

Upon the occasion of the School's Centennial in 1984, the Faculty of the School of Pharmacy and (then) Pharmacal Sciences chose to initiate a Distinguished Pharmacy Alumni Program. The title of Distinguished Pharmacy Alumnus is conferred annually upon selected alumni in recognition of their outstanding achievements in professional and scientific endeavors.

The title of Friend of Pharmacy is conferred upon non-alumni friends of the University in recognition of their outstanding achievements in professional and scientific endeavors and service to the School. The faculty of the School of Pharmacy and Pharmaceutical Sciences chooses one or more Friends to receive the annual Friend of Pharmacy Award.

## Distinguished Alumni Awards

The faculty of the School of Pharmacy and Pharmaceutical Sciences selected four alumni to receive the 2008 Distinguished Alumni Awards. The group was honored at an awards event on November 7, 2008, in the Buchanan Suite in Ross-Ade Stadium. The recipients were Hamid Abbaspour (BS 1985), William Randolph (BS 1982, PhD 1988), Marvin Richardson (BS 1980), and Ming-Daw Tsai (PhD 1978). Congratulations to these outstanding individuals.



### HAMID A. ABBASPOUR

BS, Pharmacy, Purdue University, 1985  
MBA, Indiana Wesleyan University, 1999  
Owner, Dr. Aziz Pharmacy  
President, Gateway Institute

Hamid Abbaspour was born in Shiraz, Iran, and at the age of 16 moved to the United States to live with his brother who was a graduate student at Indiana University in Bloomington. Hamid attended Bloomington High School North. He was influenced by his two brothers Aziz and Karim who were PhD chemists, and pursued pharmacy for its direct application of chemical principals on human life. He commenced his professional career in various divisions of the Pharmacy Department at the Indiana University Hospital in Indianapolis and also worked part-time for a home infusion company. In 1988, he established Dr. Aziz Pharmacy, located in Indianapolis, and named in memory of his brother (Aziz Abbaspour) after his sudden death from cancer. Dr. Aziz Pharmacy has been a leader in providing advanced pharmacy services in the community setting. The focus of the pharmacy has been to take care of the terminally and chronically ill patients in the areas of HIV, oncology, fertility, diabetes, and women's health. During the early 1990s, Dr. Aziz Pharmacy expanded into home infusion services as well as home health/nursing services and was accredited by the Joint Commission on the Accreditation of Healthcare Organizations (JCAHO). In October of 1997, Hamid was selected as one of the top 50 pharmacists influencing pharmaceutical care by *American Druggist Journal*.

In 2000, Hamid established Gateway Institute in Dubai, United Arab Emirates. Through collaboration with Purdue University, Gateway Institute offered the first American Council on Pharmaceutical Education (ACPE) accredited PharmD program outside the United States. He is an affiliate assistant professor of Purdue. His pharmacy is a host to over 20 students annually for clinical rotations from both Purdue and Butler University. His dedication to the art of teaching was further exhibited in 2007 when he established the *Dr. Aziz Endowment Fund* to support the annual award known as the "Dr. Aziz Outstanding Teacher of the Year Award." He was invited to speak at the Dean's Executive Forum in 2009. In 1993, when Hamid was visiting his home country for the first time after 16 years, he met Ladan, and after three dates they were engaged and married. They have three children (Sherisa 12, Shaya 9, Shermin 3).



Recipients of the Distinguished Alumni Award and the Friend of Pharmacy Award were honored on November 7, 2008. (L to R) Dean Craig Svensson, William Randolph, Ming-Daw Tsai, Marvin Richardson, Lisa Harris, and Hamid Abbaspour



### **WILLIAM G. RANDOLPH, III**

BS, Pharmacy, Purdue University, 1982  
PhD, Industrial and Physical Pharmacy, Purdue University, 1988  
Vice President, Global Technical Services, Global Pharmaceutical Supply Group, Johnson & Johnson, Inc.

Bill Randolph had an aptitude for science and engineering as a child and became interested in pharmacy through his cousin. During his undergraduate studies at Purdue, Bill became increasingly more interested in manufacturing sciences. The path leading to an industry career became more focused in his aspirations during his undergraduate employment at Eli Lilly's Tippecanoe Laboratories. He went on to earn his doctorate in Industrial and Physical Pharmacy under the direction of Professor Garnet Peck. He began his career in the pharmaceutical industry as a formulation scientist for Marion Laboratories. In 1992, Bill accepted a group leadership position in manufacturing operations for Hoffman-La Roche in Nutley, New Jersey, and in 1995 was promoted to Manager and was requested to form a specific and focused marketed product support group for solids manufacturing. He later developed a similar organization for the sterile products businesses.

In 1999, Bill was offered a position at Ortho-McNeil Pharmaceuticals, a part of the Johnson & Johnson family of companies. His responsibility was to create and staff a technical services organization to support pharmaceutical manufacturing for the rapidly growing pharmaceutical business, and in early 2001, he was promoted to Director and placed in charge of Technical Operations for Janssen Pharmaceutical, the largest single pharmaceutical organization in Johnson & Johnson. In 2003, Johnson & Johnson decided to begin consolidation of all small molecule pharmaceutical manufacturing, and the following year he was appointed Senior Director of Technical Services for the newly formed Pharmaceutical Sourcing Group of the Americas (PSGA). All small molecule pharmaceutical manufacturing was later consolidated on a global basis and he was named Vice President, Pharmaceutical Technical Services. Johnson & Johnson formed a single supply chain for all pharmaceutical manufacturing in 2008, and he was named Vice President of Global Technical Services with organizations based in North and South America, Europe, and Asia Pacific. Bill also serves on the Dean's Industrial Advisory Council. His proudest achievement is his marriage of 28 years to his wife, Diane (BS Pharmacy, 1981) and their six beautiful children: Billy (William IV) 21, Megan 18, Peyton 13, Rachel 12, Nicole 9 and Michelle 7.



### **MARVIN R. RICHARDSON**

BS, Pharmacy, Purdue University, 1980  
President and Chief Executive Officer, Arcadia HealthCare

Marv Richardson started working at age 16 in an independent retail pharmacy in his hometown of Anderson, Indiana. During his high school years working for that pharmacy, he became interested in a pharmacy career and later enrolled at Purdue University. He started his career with the Walgreen Company. Professor Bob Evanson had a strong influence on his interest in pharmacy management, helping him obtain a summer intern position at Walgreens' corporate headquarters in Deerfield, Illinois, in 1979. Marv worked for Walgreens for nine years until leaving to start a new pharmacy business, Low Cost Health Care, with his wife Melanie. The business owned and operated retail pharmacies as well as a long-term care pharmacy operation that serviced several thousand patients in Indiana. In 1995, they sold this multi-store retail chain and he continued working for the business until early 2000. In mid-2000, Marv joined Rite Aid Corporation as Senior Vice-President, Pharmacy Operations, but in 2003, left Rite Aid to follow his dream to improve medication compliance in retail pharmacy and co-founded PrairieStone Pharmacy headquartered in Minneapolis, Minnesota, serving as its President and CEO. PrairieStone focused on the implementation of automation designed to allow the pharmacist more time for patient interaction and the development of "DailyMed", a patent and patent pending medication compliance program for at home retail patients. The company was named "Chain of the Year" by Drug Topics magazine in 2005. In February 2007, PrairieStone Pharmacy was acquired by Arcadia HealthCare and in May of 2007, Marv became President and CEO.

Marv serves on the Purdue University School of Pharmacy and Pharmaceutical Sciences Dean's Advisory Council and is on the Board of Directors for the Mental Health America of Indiana Association. He was invited to speak at the Dean's Executive Forum at Purdue in 2005 and has been invited to speak again this year. Most recently, he was invited to serve as one of 35 members on the newly activated Purdue Foundation Development Council initiated by Purdue President France Córdova.

Marv met Melanie while they both worked for the Walgreen Company in Houston, Texas. They have three children: Ryan (26); Reed (23); and Emily (19), who is currently a second year pre-pharmacy student at Purdue. The family enjoys spending time boating at their cabin in Upstate New York, snow skiing in Colorado, and golfing anytime in Noblesville.



**MING-DAW TSAI**

BS, Chemistry, National Taiwan University, Taipei 1972  
PhD, Medicinal Chemistry and Pharmacognosy, Purdue University, 1978  
Director, Institute of Biological Chemistry, Academia Sinica

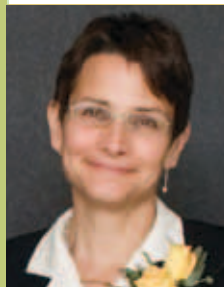
Born in Taiwan, Ming-Daw Tsai received a BS degree in chemistry from National Taiwan University. After two years of military service, he came to Purdue University and received a PhD degree from the Department of Medicinal Chemistry and Pharmacognosy under the supervision of Professor Heinz Floss. In 1981, Ming-Daw joined the faculty of the Department of Chemistry at The Ohio State University, where he was promoted through the ranks and was named Kimberly Professor of Chemistry in 2004. In addition to classroom teaching and running his own research lab, Ming-Daw established the Chemistry-Biology Interface Training Program at OSU in 1995 and served as its director for 8 years. Furthermore, he served as director of a center overseeing NMR and mass spectrometry core facilities of OSU, which later became the central hub facilities of the Ohio NMR Consortium and the Ohio Mass Spectrometry Consortium, respectively. He is a world leader in "structural enzymology," using structural biology methods to study mechanistic enzymology.

In 2007, Ming-Daw was recruited back to Taiwan to serve as Director of the Institute of Biological Chemistry, Academia Sinica. In addition, he oversees the operation of 18 cores in the National Core Facilities Program in Genomic Medicine. He is happy to have a second career in his home country and as before, he runs his research lab and at the same time contributes to enhancing the research infrastructure within and outside of the institution. On the personal side, Ming-Daw is a music lover, and his new love is ballroom dancing. He is married to Mary, and together they have five children: Joyce, Chris, Eric, James, and Arthur. They are all on track to good careers, but no one is following his footsteps in science.

*To read the full biographies for each award recipient, please visit <http://www.pharmacy.purdue.edu/advancement/honors/distinguished/>.*

Friend of Pharmacy Award

*The faculty of the School of Pharmacy and Pharmaceutical Sciences selected one friend to receive the 2008 Friend of Pharmacy Award. Lisa Harris was honored at an awards event on November 7, 2008, in the Buchanan Suite in Ross-Ade Stadium.*



**LISA E. HARRIS**

MD, Indiana University School of Medicine  
CEO and Medical Director, Wishard Health Services

Lisa Harris is a graduate of the Indiana University School of Medicine where she also completed residency training in Internal Medicine, an appointment as Chief Medicine Resident at Wishard Memorial Hospital, and fellowship training in Health Care Research and Nephrology. She joined the faculty in 1991; serving as a clinician, teacher, and investigator in the Regenstrief Institute for Health Care where a Picker/Commonwealth Scholars Award helped her focus her research interests on using patients' reports of care to drive health care quality improvement.

On the local level, Lisa assumed the role of Medical Director for the American Red Cross of Greater Indianapolis. In 2004, she assumed the role of CEO and Medical Director for Wishard Health Services, the public hospital and health system affiliated with the Indiana University School of Medicine, serving the inner-city of Indianapolis, where in addition to her administrative responsibilities, she continues to care for patients both in the inpatient and outpatient settings. When they can get away, Lisa and her husband, Greg Kelleher, enjoy spending time with their four dogs Nickie, Blue, Ziggy, and Zach in their fields and woods in southern Indiana.

*To read her full biography, please visit <http://www.pharmacy.purdue.edu/advancement/honors/friends/>.*



Friend of Pharmacy Award



Growing up in the early 1940s, Angelo Carnaghi created an opportunity for himself through his exploits on the football field...but he was not exactly sure what to make of it.

"I had no idea what a college education could do for you," he recalled. "I was just a kid from Detroit whose parents emigrated from Italy. We didn't have much money. I went to a parochial high school and played football there, and I was fortunate enough to earn a football scholarship to Purdue."

During his time on campus, which was interrupted by World War II service, Carnaghi (BS 1950, HDR 1993) started at center, anchoring the offensive line for the Boilermakers. He also met Jeannine (Lowery) Carnaghi.

"She was a Delta Gamma, and I was a member of Delta Upsilon," Carnaghi explained. "We met at a party and got married right after graduation... I believe I had \$33 in my checking account at the time. Everything worked out really well, though."

After graduating from Purdue's School of Pharmacy and Pharmaceutical Sciences, Carnaghi joined Eli Lilly and Company as a pharmaceutical chemist, beginning what turned out to be a 40-year career with the firm.

Carnaghi noted that his Purdue connections played a key role in his having the opportunity to interview with Eli Lilly in the first place.

"Coming right out of school, I knew absolutely nothing about the pharmaceutical business, but Red Mackey—the athletics director at the time—knew someone

there and pushed for me to be granted an interview," Carnaghi said.

During his career at Eli Lilly, Carnaghi was responsible for the production of most of the company's human-drug products, with sales of approximately \$3 billion, and for the management of more than 3,000 people. In addition to production operations, he had management responsibility for product shipment to Eli Lilly distribution sites throughout the United States. In 1990, he retired as Vice President of the company's Production Operations and Distribution Division.

Now approaching their 60th wedding anniversary, the Carnaghis have four grown children, three of whom followed in their parents' footsteps as Purdue alumni.

In 1992, they established the *Angelo and Jeannine Carnaghi Scholarship* in Industrial Pharmacy, fulfilling their desire to support Purdue students with designs on a career in the pharmaceutical industry.

"My wife and I look at life as having three stages—learning, earning, and returning," said Carnaghi, who was awarded an honorary doctorate from the School of Pharmacy and Pharmaceutical Sciences in 1993.

"We've received so many benefits and blessings through the years from the School of Pharmacy," noted Jeannine Carnaghi. "It's comforting to be able to give something back to students who find themselves in a similar position to what we were in almost 60 years ago.

"The scholarship recipients write us a letter every fall telling us how grateful they are to have received the money," she added. "That really means a lot to us."

Carnaghi is pleased that "the kid from Detroit was able to make a decent living."

"There is a luncheon every fall where we get the opportunity to sit down with the scholarship recipients," he said. "It's always very gratifying, as I always see a little bit of myself in them. They really appreciate the financial assistance, and I certainly remember what it was like to be in their shoes."



*Reprinted with permission from "An Enduring Legacy" Endowment Report For Fiscal Year 2007-2008 by Purdue University.*

## Angelo and Jeannine Carnaghi: *Seizing an Opportunity, Endowing a Legacy*



# A *Virtual* Clean Room

*The Answer to Essential Hands-On Training*

Photography by John Underwood



Clean rooms are sterile environments typically found in hospitals and home health care companies where pharmacists and pharmacy technicians prepare materials that need to be guaranteed free of contamination. Health professionals use these rooms to prepare drugs, especially those administered intravenously, such as chemotherapy treatments. Dr. Steven Abel, Assistant Dean and Head of the Department of Pharmacy Practice, explains, “You’re putting the medication directly into the patient’s blood stream, so the vital organs are immediately perfused, making it imperative that there is no contamination in the preparation of that drug.”

## Experience required


Dr. Abel also comments that the concern over the rise of antibiotic-resistant pathogens has only increased the need for expertise in the preparation of sterile products within clean rooms, and that it is imperative that pharmacists be trained to use them.

Compounding intravenous admixtures is among the most overwhelming practicum for students to learn. The cumbersome protective clothing required in the clean room environment and complex decision-making create a stressful environment for them. The only way to prepare students for the clean room and help them feel more at ease is through

*Dr. Abel helps students navigate through the virtual IV room to locate items that are not compliant with USP 797 requirements, in addition to explaining the fundamental requirements of an IV room*





The image shows three individuals in a virtual simulation environment. They are wearing blue scrubs, white surgical masks, and white 3D glasses. The person in the foreground is holding a black handheld device, possibly a tablet or a specialized controller, and is looking at it. The background is a bright, virtual environment with shelves containing various colored boxes and containers, suggesting a pharmacy or hospital setting. The lighting is bright and even, typical of a virtual reality simulation.

“The students were able to virtually see the important components of an IV room and learn the 797 requirements within a hospital setting. I believe this lab is another step in the advancement of pharmacy student education.”

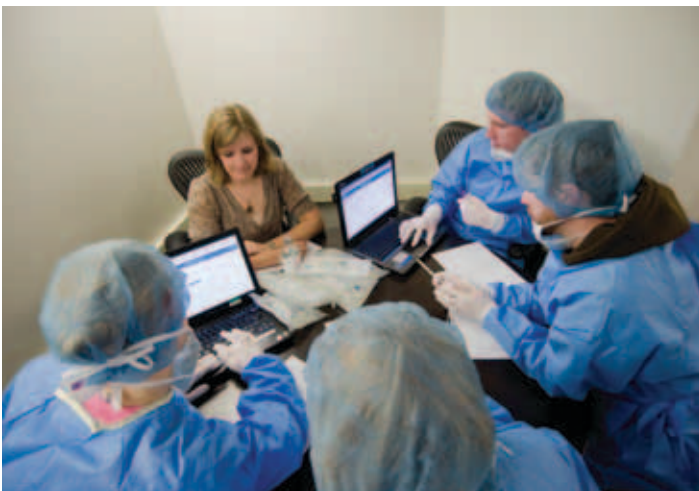
Sheetal Patel, PharmD  
Regulatory Advertising  
and Promotions Fellow  
Purdue University/Food and Drug  
Administration/Johnson & Johnson



*After the students are dressed in appropriate IV room attire, they are educated about the technology behind the virtual IV room*



*One exercise in the lab is to identify the appropriate product once the label is received by the pharmacy. After the students choose the product, they learn about medication error prevention and how this is implemented in hospital pharmacies*



*Carrie Jacobs (PharmD candidate) teaches students about cases seen in hospital settings and shows students how to navigate through online drug information resources*

hands-on training, but getting that hands-on training is the tricky part. Unfortunately, there are few clean rooms available for student training, and the cost of training is extremely high. It is during the second semester of the third professional year when pharmacy students are exposed to the clean room and its procedures. Much of that training happens in the classroom, and the time dedicated to hands-on instruction often isn't long enough for them to fully gain confidence.

Finding another means by which to train students to become more comfortable in this setting became increasingly important to the School, and the world of computer technology began to look like the answer.

## Entering a virtual world

You might be wondering exactly how a virtual clean room works, and what our students will gain from using it. Similar to that of a flight or automobile simulator used by new pilots and drivers, a virtual clean room allows pharmacy students to gain hands-on experience in a controlled environment. Students wear the appropriate attire—gowns, shoe covers, hair caps, and surgical gloves—in order to achieve the full affect of being in an actual clean room. Wearing special 3-D glasses, they stand in the middle of a multiwall immersive environment where the virtual clean room is projected. Through the use of a handheld wireless electronic wand similar to that of a bar code scanner, they can “move” through the room and view it from all perspectives. Think Space Invaders meets pharmacy, so to speak.

## From conception to reality: Phase I

So how did the concept of a virtual environment come about, and how was it actually created? The process began with brainstorming between Dr. Abel and Steve Dunlop, Managing Director of the Envision Center for Data Perceptualization, a part of the Rosen Center for Advanced Computing and Information Technology at Purdue. The Envision Center “uses advanced data visualization and perceptualization tools to process and display scientific information in ways that make complex phenomena easier to comprehend and enable the discovery of new knowledge and the development of innovative products.” The two discussed what the center had to offer and how it could



potentially help train pharmacy students. Dr. Leyla Ozsen, Professor of Industrial Engineering, collaborated on the project, and eventually the idea for a virtual clean room came about after several group discussions. They were able to obtain an instructional grant from the Provost's Office at Purdue, as well as additional funding from the School of Pharmacy and Pharmaceutical Sciences in order to begin work on this project.

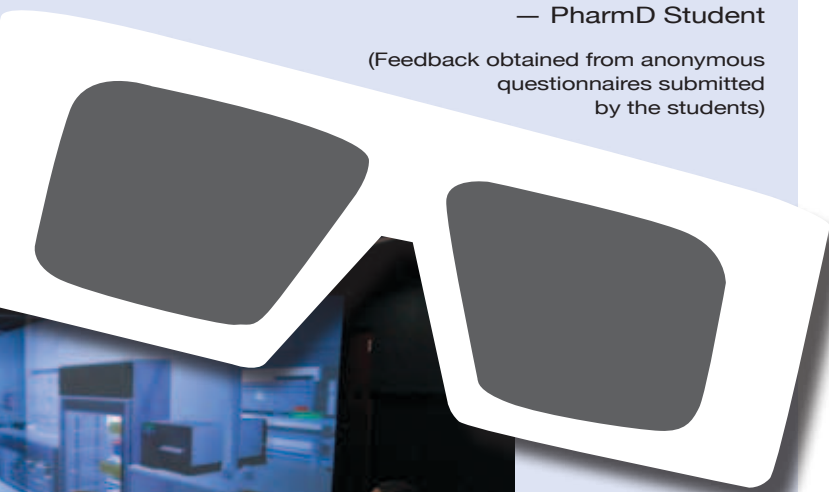
With the concept and funding in place, the next step was to find programmers who could actually create the virtual world for our students. Three undergraduate research assistants from the Computer Graphics Technology Department were chosen to take on the task, thus procuring paychecks and invaluable experience that would be quite impressive in their portfolios. The team began touring clean rooms in Clarian Health Partners and Wishard Health Services in Indianapolis in February of 2008, taking numerous digital photographs from several angles of various aspects of the rooms. These photographs served as models once the programmers returned to their computer lab and began creating the 3-D images.

It took approximately six months to create and refine the virtual clean room, and the programmers and faculty had the chance to go in and out of the room throughout that period.

**"I had never been in an IV room before, nor had I seen anything resembling one. I had no idea of what to expect, and I feel that I am now able to visualize more of the concepts being taught in class."**

— PharmD Student

(Feedback obtained from anonymous questionnaires submitted by the students)



**Once students arrive at the lab session, they are introduced to the facilitators and complete a pre-test to assess their knowledge of the IV room setting, pharmaceutical calculations, and drug information resources. These components will then be taught in the lab**

## Advancing to Phase II

One goal is to eventually have the software for the virtual clean room available for students to load directly onto their PCs. The School also plans to introduce a tracker glove next year that will allow students to "grab" items in the virtual room, thus allowing them to perform step-by-step instructions in drug preparation. The glove will allow for more sophisticated training including product selection and preparation, as well as medication safety. However, the potential for life-threatening mistakes will be eliminated since error messages are immediately sent if students select a wrong item, allowing them to redo a step until it is completed with precision. Dr. Abel says the glove doesn't allow the student to "feel" yet, but future plans will give students the capability of assessing the weight of an object and being able to feel the sensation associated with the product. "Obviously, the greater utility of these processes will result in more efficient and safe practices by our students in clean rooms."

## Students take a "test drive"

When first introduced to the virtual clean room, the students were uniformly overwhelmed and impressed, and most commented it was like walking straight into a video game. One student commented, "Someone can tell you what a clean room looks like or show you a picture, but you can't really get a feel for it until you're in an IV room. This gave me a feel for what it is like to be in an IV room." After testing out the virtual room, another said, "I was expecting something awesome, and that's exactly what this experience was."

Students were put into groups of four and had the opportunity to "walk" around the room with a hand wand for about twenty minutes. The room had been manipulated so that students had to navigate through the rooms and identify several issues that were unsafe and areas of noncompliance. The virtual world consists of a Clean Room, an Ante Room, and a Chemotherapy Room, all based on USP 797 compliance, since there are equipment and processes that are unique to each.

"The students were able to virtually see the important components of an IV room and learn the 797 requirements within a hospital setting," comments Dr. Sheetal Patel, Postdoctoral Fellow, Department of Pharmacy Practice. "I believe this lab is another step in the advancement of pharmacy student education."



You may view a fly-through animation of the clean room from the Rosen Center Website, <http://www.rcac.purdue.edu/news/video/cleanroom.cfm>. To read more about this endeavor, please visit <http://www.rcac.purdue.edu/news/detail.cfm?newsId=333> to view the article "Virtual clean room to enhance training for pharmacy students" written by Greg Kline, Purdue University, on December 2, 2008.

1884 - 2009

*Celebrating*  
**125** Years  
 School of Pharmacy and  
 Pharmaceutical Sciences

## Alumni:

Share YOUR story and photos for possible inclusion in upcoming issues of *The Purdue Pharmacist* to celebrate the 125th Anniversary of the School of Pharmacy & Pharmaceutical Sciences



**What outstanding memories do you have about your days as a student in the School?**

**Who were some of your favorite professors and why?**

**What was your favorite class and why?**

**What made your graduating class so unique?**

**What's the one thing that you found most valuable about your academic career?**

We'd love to hear your stories!  
 Don't want to share a story but have some great photos of years gone by? We'd like to include those as well!

Or perhaps Purdue pharmacists run in your family? We want to hear about your legacies!

Please send or email your stories and photos\* to:

Dana Neary  
 Manager of Alumni Relations and Special Events  
 School of Pharmacy and Pharmaceutical Sciences  
 Purdue University  
 575 Stadium Mall Drive  
 West Lafayette, IN 47907-2091  
 nearyd@purdue.edu

\*Original photos will gladly be returned.  
 If possible, please include captions.



Check out the official  
 School of Pharmacy and  
 Pharmaceutical Sciences'  
 125th Anniversary  
 website at

[www.pharmacy.purdue.edu/125](http://www.pharmacy.purdue.edu/125)

Founded in 1884, the School of Pharmacy and Pharmaceutical Sciences at Purdue University will celebrate 125 years of excellence beginning in the fall of 2009. We hope you'll plan to join us for the many exciting events we have planned throughout the upcoming year. *Together, we can make this an anniversary to remember!*



## 2009 Pharmacy Events Calendar

| Date           | Event  | Place                                |
|----------------|--|--------------------------------------|
| May 1          | Pharmacy Graduation Banquet  | North and South Ballrooms, PMU       |
| May 16         | Pharmacy Commencement<br>Pharmacy Commencement Reception                     | Elliot Hall<br>Tent in front of RHPH |
| June 4         | 13th Annual BoileRx Golf Classic   | Birck Boilermaker Golf Complex       |
| August 14      | Purdue Day at the Indiana State Fair   | State Fairgrounds, Indianapolis      |
| September 9    | Pharmacy First Nighter   | In front of RHPH                     |
| September 13   | 8th Annual White Coat Ceremony   | Loeb Playhouse, Stewart Center       |
| September 25   | Fall Alumni Weekend - Reception<br>(Classes of 1984, 1994, 1999, 2004)       | Dauch Alumni Center                  |
| September 26   | Fall Alumni Weekend - Tailgate<br>(Classes of 1984, 1994, 1999, 2004)        | RHPH lawn                            |
| October 2      | Joint Council Meetings<br>Pharmacy Alumni Chili Super                        | Dauch Alumni Center                  |
| October 3      | Homecoming Tailgate  | Tent by RHPH                         |
| October 17     | Pharmacy Donor Brunch  | University Plaza Hotel               |
| October 30     | Distinguished Alumni Lecture Series<br>Distinguished Pharmacy Alumni Program | Fowler Hall<br>PMU Faculty Lounges   |
| November 3     | AAPS Alumni and Friends Reception  |                                      |
| November 13    | Garnet E. Peck Symposium   | Fowler Hall                          |
| November 13-14 | Distinguished Alumni Reunion Weekend   | University Plaza Hotel               |
| December 3     | Tyler Lecture Series (lecture 1)   | STEW 306                             |
| December 4     | Tyler Lecture Series (lecture 2)   | Fowler Hall                          |
| December 6     | ASHP Alumni and Friends Reception  |                                      |

For more information regarding these events, please contact Dana Neary, Manager of Alumni Relations and Special Events, at [nearyd@purdue.edu](mailto:nearyd@purdue.edu) or (765) 494-2632.

It is only about 552 miles between Bartlesville, Oklahoma, and West Lafayette, Indiana, as the crow flies. But it took Dr. James E. Pritchard (PhD 1948, Pharmaceutical Chemistry) a long time to make the trip from his home back to his alma mater.

His journey took 60 years.

Happily, it was a return well worth the wait.

"It was the experience of a lifetime," he says, a trip he says he is still reliving.

So is the College of Pharmacy, Nursing and Health Sciences, adds Director of Advancement Chris Smith.

"As a result of Dr. Pritchard's delight at the positive changes in pharmacy at Purdue and on the campus, he revised a provision in his estate plans to increase a deferred gift upward to more than \$100,000," reports Smith. "That doesn't happen every day!"

The unrestricted gift will allow Dean Craig Svensson to respond to unanticipated opportunities that arise in the future.

In addition to his deferred gift, Dr. Pritchard gave students an immediate benefit—his example and experience.

Vibrant and engaged at 86, Dr. Pritchard arrived on Purdue's campus in September, where the retired Phillips Petroleum Company executive was invited to deliver a seminar to pharmacy graduate students. Dr. Pritchard, who holds bachelor's and master's degrees from the University of Iowa, extolled Purdue for the doctoral education he received studying the surface lipids of skin.

He went on to a 39-year career at Phillips, serving 25 years as the company's manager of plastics research and 10 years as a member of the company's Corporate Development Committee.

Dr. Pritchard also recounted what may be his most lasting legacy—the successful effort to eliminate trans fatty acids (or trans fats) from the United States food supply, a crusade he initiated in 2003.

Armed with scientific data, personal experience, moral fervor, and the help of his attorney son and the Oklahoma Attorney General, they battled the Food and Drug Administration into enforcing a 1969 law requiring food companies to disclose the content on their product labels. Compliance began in 2006.

As a result of this success, Dr. Pritchard received Rotary International's Lifetime Achievement Award and a citation from the Oklahoma Attorney General for raising awareness to "improve America's health."

Modest to a fault, he summed up his talk to students simply: "When you've got a good story, you want to share it."

While visiting Purdue, Dr. Pritchard also enjoyed a reunion with a former professor, Dr. John Christian, at his Frank Lloyd Wright-designed home, Samara.

"How many graduate students who have been gone 60 years get to meet up with a former major professor?" Chris Smith marveled.

Dr. Pritchard says reconnecting with Purdue reinforces his optimism about the future—and Purdue's role in shaping it. And he adds: "We are so indebted to Purdue for my success and fulfillment in life."

And what a journey it has been.



*Grant A. Flora is a writer/editor for Purdue Marketing and Media. Reprinted with permission.*

# A Long Time Coming

**1948 Pharmacy alum returns after 60 years, awards program with gift**

*Written by Grant A. Flora*



# Pharmacy Practice Kenya Program Update

## The Sally Test Pediatric Center

Written by Serena Harris and Lisa Zagroba, 2009 PharmD Candidates

Purdue clerkship students have been traveling to Kenya for rotations since 2004 to help better serve the underprivileged patient population. Students spend eight weeks working at the Moi Teaching and Referral Hospital in Eldoret, Kenya. The Sally Test Pediatric Center is located within this facility and serves as a place where hospitalized children can escape the tediousness of the pediatric wards. The Department of Pharmacy Practice faculty and staff have donated toys and games for the Center through an annual holiday toy drive.

The program was initiated by Sarah Ellen Mamlin in 2000 and started with staff members bringing books, toys, and crayons to the hospital. It has since grown to a program with its own room, over 25 staff members, and is accessed by nearly 30 children daily. It offers the children educational, recreational, and social activities from 9 a.m. until 4 p.m., seven days a week.

The Center now reaches out to parents through educational sessions and a sewing program. The sewing program was funded through a Purdue University Office of Engagement service learning grant. This program allows mothers to develop a skill which can be used both at home and potentially in the work force. On average, 25 women are educated through this program per week. They learn topics including basics of running the machine, pattern drawing, taking measurements, stitching, and dress making.

Purdue pharmacy student involvement goes beyond this program to include daily interactions with the children. They serve as mentors and can often be found playing games, reading stories, and assisting with a variety of other arts and crafts. Each group of pharmacy students plans one main event for the Center during their eight week rotation. Activities have included tie-dyeing t-shirts, picture frames, hand painting, pizza and holiday parties. Through the program children gain friendship, enhance their communication skills, and improve their social interaction skills. Pharmacy students enjoy spending time here after long and trying days on the wards. There's always a child looking forward to our visit and ready to make a new friend.



Thank you ...



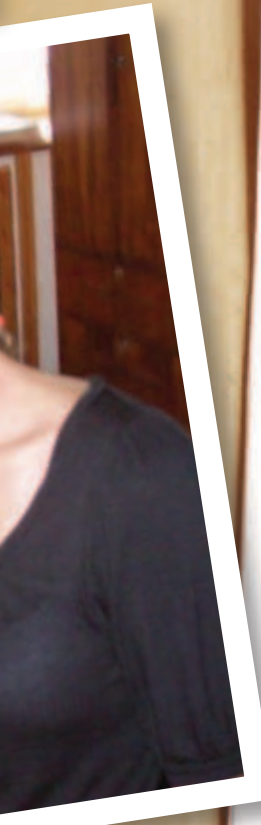
Shauna Santare with a child from the Sally Test Pediatric Center



Parents and children gather around a sewing machine that is used in the sewing program funded by a Purdue service learning grant




The following text was taken from a thank you letter written by a student to her scholarship donor expressing gratitude for the opportunity to participate in the abroad Kenya Program. Her experience is similar to other pharmacy students, and the School is pleased to share her words with you.



*“My rotation at Moi Teaching and Referral Hospital (MTRH) in Eldoret, Kenya, had a major impact on my professionalism and career goals. It was my first opportunity to work that closely with patients in any setting and experience how it feels to greatly affect another person’s life. My preceptor, Dr. Sonak Pastakia, told me something during my end of rotation assessment that means so much more to me now that I am back home. He said that no matter where I chose to practice pharmacy, I can implement what I had learned about patient care. Even though the circumstances are not as dramatic during my U.S. rotations, I have already noticed my attitude changes stimulated at MTRH with my patient care.*

*While in Kenya, I worked at MTRH Monday through Friday, and on the weekends, I was able to go on a few trips, including whitewater rafting on the Nile, hiking in the beautiful rainforest, and going on safari during the wildebeest migration. I made many friends, including IU medical students I have met up with back in the U.S., and Kenyan pharmacy students that I am trying to convince to visit and share with them my own culture after graduation.”*

*– Shauna Santare,  
2009 PharmD Candidate*



*(Left to right) Tobie Rogers, Sarah Fullen, Sarah Lyons, Shauna Santare, (all 2009 PharmD Candidates), and William Vincent, Assist. Prof., Division of Pharmacy Practice, Arnold and Marie Schwartz College of Pharmacy and Health Sciences, Long Island University. During her trip to Kakamega Rainforest, Shauna hiked and saw a lot of plant life, birds, monkeys, and a beautiful sunrise. The group was able to stay in banda huts for a unique cultural experience*

If you wish to make a contribution to the Purdue Kenya Program, please visit <http://ampath.pharmacy.purdue.edu> and follow the “Contribute to the Kenya Program” link on the home page. If you would like more information about this program, please visit <http://www.iukenya.org/> or contact Dr. Ellen Schellhase, Assistant Professor of Pharmacy Practice, at [elschell@iupui.edu](mailto:elschell@iupui.edu).



## *JeanAnne (BS 1961) and Jim Chaney*

# CRUT Writes the *Perfect Prescription*

JeanAnne "Jeannie" (Darr) Chaney always knew she wanted to pursue a career in pharmacy. After all, it is the family business.

"I am the sixth pharmacist in my family," Jeannie noted. "My father, his sister, their father and their father's two brothers were all pharmacists. It just seemed natural to follow that career path."

Purdue University, however, was somewhat of a surprise choice for a girl from northeast Ohio.

"I looked at some schools in Ohio, but none of them seemed like the right fit for me. Thinking Purdue was an Ivy League school, I applied and was accepted before I even knew how to find it on a map!"

"But I loved my four years at Purdue and never once changed my mind about wanting to become a pharmacist," she added.

After graduating from Purdue, Jeannie (BS 1961) returned to Ohio and briefly worked for her father prior to spending eight years as a pharmacist for University Hospitals in Cleveland, where her Purdue education was immediately put to good use.

"I had taken a hospital pharmacy course at Purdue, so when I got to Cleveland, I had no problems making the adjustment," she said. "I'm not sure that everyone has access to that type of classroom experience."

Jeannie married her husband, Jim Chaney, in 1968.

In 2003, the Chaney's established the *JeanAnne D. and James B. Chaney Scholarship in Pharmacy*, an endowment that provides scholarships for Pre-Pharmacy students and professional students in the Doctor of Pharmacy program.\*

Three years later, they set up the *JeanAnne and Jim Chaney Pharmacy Student Support Endowment* to support pharmacy students during their summer research projects.

Most recently, they created the *JeanAnne Darr and James B. Chaney Education and Development Fund* to support faculty development, student scholarships, and fellowships and educational enhancements within the

## THE JEANANNE DARR AND JAMES B. CHANEY EDUCATION AND DEVELOPMENT FUND

The most recent gift made by the Chaney's provided the installation of video-conferencing equipment. One system was installed in the Heine Pharmacy Building just prior to the beginning of the spring semester. A second system was installed at the School's experiential site at Wishard Hospital in Indianapolis. Jeannie, who serves on the Pharmacy Alumni Association Board and the Purdue University President's Council Leadership Board, explains why she and Jim decided to make this gift. "In a conversation with Dean Svensson, the subject of a video teleconferencing system and its need was mentioned," she says. "After an in depth conversation about this system and what it would mean to both the Pharmacy and Nursing Schools, plus some of Purdue's satellite facilities, we knew it was a much needed item, and we were able to fulfill the need."





School of Pharmacy and Pharmaceutical Sciences. That fund will be fortified by a charitable remainder unitrust the Chaney's established in December 2007 after carefully considering their planned giving options.

"At that point, we had already established a pair of endowed scholarships in Pharmacy," Jeannie explained. "The charitable remainder unitrust (CRUT) seemed like an effective way for us to create new and unique opportunities for the School."

With a charitable remainder unitrust, the Chaney's were able to secure a 5.0% annual rate of return on assets that are revalued annually. They also received a charitable deduction on the value of the assets initially transferred into the unitrust.

"At the time, we were seeking some tax relief and also wanted to further our support of Purdue," Jim added. "We met with Gordon Chavers and determined that a charitable remainder unitrust was the most attractive option for us."

Jeannie remains an active pharmacist, and she and Jim have raised two children and are now enjoying their four grandchildren. Over the years,

they have remained connected to Purdue through travel opportunities offered by the Purdue Alumni Association and the President's Council.

Jeannie and Jim figure they have criss-crossed the globe in black-and-gold.

"We like to say we've made it almost all around the world with Purdue—China, New Zealand, Australia, and all over Europe," said Jim, a graduate of Denison University in Granville, Ohio, and President of Cleveland Syrup Corporation. "Our joint support of Purdue is really due to the people we've met and the friendships we've made on those trips."

*\* Since the newsletter went to press, Jeannie and Jim Chaney made another significant contribution to Purdue University. The James Russell Maier Memorial Scholarship in Pharmacy was established in memory of James Russell Maier (BA 1990, CLA), son of their friend, Elizabeth "Bette" Maier (BS 1959, SHE). The scholarship provides merit-based scholarships for pre-pharmacy students and for professional program students in the School. The School expresses its sincere gratitude to the Chaney's for their continued support.*



*This story originally appeared in the R.B. Stewart Society Newsletter 2008 and is reprinted with permission.*

Their gift also enabled the purchase a multipoint-capable unit to upgrade the video classroom in Johnson Hall of Nursing. We can now use that unit to connect West Lafayette, Indianapolis, New Albany, and other sites for classes and meetings. Dean Craig Svensson explains that these new systems feature high definition video and allow us to send two streams of video simultaneously, a function particularly helpful when faculty members are teaching or making a presentation from a remote location. It allows faculty to display their course material on the flat panel monitor, while the document camera or Power Point is displayed on an LCD projector.

"This upgrade to the School's technology will serve our students well for years to come," says Dean Svensson. "The School is incredibly grateful to the ongoing generosity the Chaney's have bestowed upon us."




# SAVE THE DATE!

## 13th Annual BoileRx Golf Classic

### June 4, 2009

## Birck Boilermaker Golf Complex

The 13th annual BoileRx Golf Classic tournament will be held on Thursday, June 4, 2009, at Purdue's Birck Boilermaker Complex. More information can be found online at [www.pharmacy.purdue.edu/advancement/alumni/boilerx/php](http://www.pharmacy.purdue.edu/advancement/alumni/boilerx/php). If you have questions, please contact Linda Yelton, Manager of Stewardship, at (765) 494-1370 or [lyelton@purdue.edu](mailto:lyelton@purdue.edu).



People living in Africa face a heavy and wide ranging burden of disease that takes an incalculable toll on social and economic development, as well as shortening life expectancy. The HIV/AIDS epidemic, as well as the resurgence of tuberculosis and the continued presence of malaria, have negated earlier improvements in life expectancy in Sub-Saharan countries, including Tanzania. The best treatments for these diseases are daily medications. Although a number of programs provide free medicines for Tanzania and other central African countries, these medicines are sometimes of poor quality due to counterfeiting and manufacturing problems of low-cost suppliers. Additionally, the dependence of Tanzania and other central African countries on others for these life-saving medicines creates a feeling of dependence and inadequacy.



## Developing A Sustainable Medicine Program in

# Tanzania

### *Tanzania at a Glance*

- Tanzania is in East Africa on the Indian Ocean. To the north are Uganda and Kenya; to the west, Burundi, Rwanda, and Congo; and to the south, Mozambique, Zambia, and Malawi
- The population is approximately 38 million
- In 1975, the Tanzanian government began to nationalize all hospitals. Medical treatment is free or highly subsidized in company clinics as well as hospitals
- In 1992, there were 3,000 rural health facilities, 17 regional hospitals, and 3 national medical centers; in the same year, the ratio of nurses to doctors was 7:3
- As of 1999, it was estimated that there were fewer than 0.05 physicians per 1,000 people, and 0.9 hospital beds
- Life expectancy was 44 years in 2000
- As of 2000, an estimated 44% of children under five were malnourished
- At the end of 2001, the number of people living with HIV/AIDS was estimated at 2.2 million (including 7.8% of the adult population) and deaths from AIDS that year were estimated at 140,000
- As of 2002, the crude birth rate and overall mortality rate were estimated at, respectively, 39.1 and 13 per 1,000 people
- In 2002, there were 365 registered pharmacists, or one pharmacist per 100,000 inhabitants (in Germany, there are 580 per 100,000 inhabitants). There are eight local manufacturers; however, no local producer complies with international standards

The Purdue University School of Pharmacy and Pharmaceutical Sciences (PSP) and the St. Luke Foundation/Kilimanjaro School of Pharmacy (SLF/KSP) propose to attack this problem by establishing a sustainable medicine program in Africa. This program consists of: (1) educational programs in Pharmaceutical Sciences and Good Manufacturing Practices (GMP); and (2) an actual GMP pharmaceutical manufacturing facility at SLF/KSP.

The educational programs will provide a source of well-trained manufacturing scientists for pharmaceutical industry in Tanzania and Africa. The GMP facility will manufacture needed drugs and will be the first GMP pharmaceutical manufacturing facility in all of Sub-Saharan Africa (except for South Africa). The GMP facility also will serve as a model for other such facilities throughout Sub-Saharan Africa.

The feasibility of establishing a sustainable medicine program in Tanzania is supported by the experience of the former Infusion Units Project in Tanzania, now known as Saint Luke Foundation (SLF), a missionary organization with a regional medical distribution network that supplies IV medicines to hospitals in the surrounding region. This program has manufactured and distributed infusion solutions throughout Tanzania since 1983. Additionally, the availability of trained personnel and a model facility will combat several current problems, especially those related to counterfeited and poor quality medicines.

### Why Choose Tanzania?

Tanzania has a relatively well established political system and medical system. The demand for drugs is high, but the supply from domestic pharmaceutical companies is limited. Moreover, the Department of Industrial and Physical Pharmacy (IPPH) has established relationships with Kilimanjaro School of Pharmacy and with the St. Luke's Foundation. KSP will assist IPPH in developing pediatric formulation drugs and supply trained work force. Dr. Stephen Byrn, IPPH Professor and



*Dr. Byrn leads a regulatory class in Kilimanjaro, Tanzania*

Department Head and Purdue founder of the program, stated, "Anyone living in America where we benefit every day from the American medical system and the medicines we have would jump at the chance to help Africa. When Zita Ekeocha, a member of the Order of Medical Missionaries of Mary, contacted me about working with her to provide training to her and Africans in drug manufacturing and regulatory science, we set up the Sustainable Medicines in Africa program. This program has expanded its scope to include establishing a manufacturing facility in Tanzania and helping companies in East Africa achieve GMP/WHO status for manufacturing."

### Educational Programs

As part of our sustainable medicine program, IPPH and SLF/KSP have designed a four course curriculum in advanced GMP manufacturing. Beginning in July of 2008, this program was taught to scientists with some experience in GMP manufacturing at KSP.

The first course in a four course sequence was taught over a ten day period from July 20 through August 1, 2008, by Dr. Byrn and Sr. Zita Ekeocha from the Industrial Pharmacy Teaching unit at KSP.

Fifteen students participated in the course. The students came from three companies (two in Kenya and one in the Congo) and KSP. The students were very advanced. Three of them were heads of Product Development, and four of them were heads of Quality Assurance. Most of the participants had Master of Science degrees. The students

were enthusiastic about every facet of the course and the course was extremely well received.

Dr. Byrn says, "The courses have been recognized by the United Nations (United Nations Industrial Development Organization, UNIDO). We are now in negotiations with UNIDO about a scholarship program to fund students from both the African pharmaceutical industry and pharmacy schools in Africa."

### GMP Facility

A key decision point in the future will be the selection of the first medicines to manufacture in the GMP facility. The program's current strategy is to focus on pediatric medicines for HIV, malaria, and parasitic diseases. The death rate for the children living in Africa is much higher than that in developed countries. Pediatric formulations of these medicines have not been developed because there is no incentive for such products in the developing world. Special attention will be paid to difficult to manufacture drugs, drugs that need taste masking, and drugs that have short shelf lives due to stability problems. The Purdue University IPPH department has world-class expertise in these areas. It is expected that with pediatric formulations of existing medicines, the infections and deaths of many children might easily be avoided. Dr. Byrn comments, "The IPPH faculty and students have probably the top program in the areas of stability and drug manufacturing in the world. Our main goal now is to obtain support to use the skills in Africa."

When asked about the future, Dr. Byrn stated, "Imagine a Tanzanian and African pharmaceutical industry that could supply the needs of Africans for lifesaving medicines and not be dependent on 'give-away' programs of sometimes second-rate drugs from other nations. Being able to have this goal and to work there is the most rewarding thing I have done outside of my family, and I am thankful and blessed to have the opportunity to work in this program."



## Gregory D. Wasson (BS 1981) Named CEO of Walgreens

"For the past 29 years, I have been fortunate to work for a company dedicated to helping people," says Greg. "However, none of this would have been possible without the education I received as a student at Purdue, and I am grateful to the School of Pharmacy for providing the strong foundation on which I've built my successful career at Walgreens."

Greg managed several Houston drugstores before being promoted to a district manager in 1986. He was promoted to a regional vice president of Walgreens store operations in 1999. In 2001, he was named a Walgreens vice president and executive vice president of Walgreens Health Initiatives, the company's pharmacy benefit manager. He was then promoted to President of Walgreens Health Initiatives in 2002, to a Walgreens senior vice president in 2004, and to a Walgreens executive vice president in 2005. It was in 2007 when Greg was named President and Chief Operating Officer of Walgreens.

Special board committee chairman William Foote commented that this was the first time the company conducted an external search for the CEO position, and the board unanimously concluded that Greg was the best person to lead Walgreens.

"Greg is a strong, natural leader and strategist with a clear view of where he wants to take this company to deliver improved shareholder returns," said Alan McNally, chairman of Walgreens' board. "Since he became President nearly two years ago, his personal leadership has been instrumental in assembling a wonderfully talented leadership team."

James Skinner, chair of the compensation committee, commented, "Greg brings an unmatched combination of proven leadership skills and a breadth and depth of industry experience in retail operations, consumer marketing, health care delivery, and business-to-business client relationships to his new role as CEO. He is ideally suited to lead Walgreens in its mission to be America's most convenient provider of consumer goods and services, and pharmacy, health and wellness services."

Greg says that it is a very exciting time for Walgreens, and that he plans to move forward aggressively in his new appointment. "Despite the challenges we face from a difficult retail environment," he says, "we believe our fundamental strengths as a company—the best, most convenient, community-based store network in America; our iconic brand; and strong balance sheet—are tremendous competitive advantages that will accelerate the strategic transformation and success of our company. I look forward to working with our 237,000 dedicated employees in building the future of Walgreens."



Walgreen Company named **Gregory D. Wasson** as its new Chief Executive Officer after a nationwide search, putting into the top job a Purdue pharmacist who has spent his career at the Deerfield-based drug store chain. Greg began his new position on February 1, 2009. He joined Walgreens as a pharmacy intern in 1980 when he was still a pharmacy student, graduating with his BS in 1981.

### *Bleeding Black and Gold*

An Indiana native, having been born in Lafayette and grown up in Monticello, Greg is an active member in the Purdue community. He was an invited speaker at the 2001 Dean's Executive Forum for the Krannert School of Management and the 2004 Dean's Executive Forum for the School of Pharmacy and Pharmaceutical Sciences at Purdue. In November of 2009, he will speak at the 7th Annual Garnet Peck Symposium.

Greg is not the only member of his family to bleed black and gold. His younger brother, Brad Wasson, received his BS in Pharmacy from Purdue in 1985. Brad also has enjoyed a long and successful career at Walgreens and currently serves as Vice President of Operations. Brad married Lisa (Morgan) Wasson (BS 1985), yet another Pharmacy alumna.

But the Purdue family ties don't stop there. Greg attributes much of his success to the support of his loving wife, Kimberly (Munt) Wasson, who also received her BS in Pharmacy in 1981. Greg was a member of Kappa Psi and Kim was a member of Delta Gamma. The couple met during the third year of Pharmacy School when they were seated "out of alphabetical order" in PHAD class. Both were able to successfully complete the class despite the lack of attention given to the lectures. The couple married on May 16, 1981, instead of attending the graduation ceremony. Once married, they loaded a U-haul truck and headed to Houston where they both started their pharmacy careers with Walgreens.

Kim, originally from Columbus, Indiana, currently serves on the Pharmacy Women for Purdue Steering Committee which was formed this past fall. The goals of this group are to provide an opportunity for Pharmacy alumnae to support programs that advance women in pharmacy careers and to celebrate the contributions that alumnae of the School have made, inside and outside of Purdue. The committee functions as an extension of the Women for Purdue program initiated by the University in 2003. "I am always proud to say that I am a graduate of Purdue, not only because of Purdue's excellent reputation but also because of the many great memories I have from pharmacy school," says Kim. "Over the years, pharmacists have consistently been named one of the most trusted healthcare professionals and thanks to the education I received as a student at Purdue, I have been able to fill these large shoes."

The couple has two daughters, both of whom are enrolled at Purdue. "We are so proud that our children have chosen to follow in our Boilermaker footsteps," comment Greg and Kim. "We have no doubt that rewarding futures lie ahead for them because of the wonderful education they are receiving now." When breaking away from work and school, the Wassons enjoy water skiing, snow skiing, watching Purdue football/basketball games, and spending time together.





## SIXTY SECONDS

*With a Graduate Student*

### Aleda M. Hess

PharmD, 2006, Ohio Northern University

Dual title MS/PhD Student, Department of Pharmacy Practice, Purdue University

**Anticipated Graduation Date:** May 2011

**Hometown:** Toledo, Ohio

**Major Professor:** Dr. Kimberly S. Plake

**Thesis Title:** *Health Literacy, Self-Care Ability, and Medication Hassles of Patients with Heart Failure and their Caregivers*

**Research Interests:** Family caregiving, patient education, and health literacy

**Awards and Honors:** Nellie-Wakeman Kappa Epsilon-AFPE-Pfizer First Year Pharmacy Graduate School Fellowship (2006-2007); Kienly Award for Outstanding Graduate Student Teaching (2007)

**Post-graduation plans:** Academia

**“Graduate school has been a very rewarding experience for me. Through the gerontology program at Purdue and the efforts of my department, I have been able to learn from and collaborate with outstanding professors across disciplines in the classroom, colloquiums, and through research. In addition, my interdisciplinary research with Drs. Kimberly Plake (PHPR) and Karen Yehle (Nursing) has provided opportunities for me to see patient-related issues from a broader perspective.”**

### A Video Tribute to Gloria Francke

The ASHP Foundation has posted a video collection on their website which features oral histories by five of the profession’s best-known pioneers.

“Conversations with Health-System Pharmacy’s Most Influential Leaders” includes a 34-minute video paying tribute to **Gloria Niemeyer-Francke (BS 1942, HDR 1988)**. If you would like to view this video, please visit <http://www.pharmacy.purdue.edu/advancement/alumni/>



## Leave Your Legacy!

*Impact future generations with a planned gift ...*

- **Bequest/Will Provision**  
Gifts made in your will are deductible as a charitable contribution for federal estate tax purposes. Bequests can be designated as unrestricted or for a specific purpose.
- **Charitable Gift Annuity**
- **Revocable Living Trust**
- **Charitable Remainder Annuity Trust**
- **Charitable Remainder Unitrust**
- **Life Insurance**
- **Retirement Plan Assets**

### *How can you make a difference?*

For information on specific planned giving options, contact the Planned Giving Office at [plangift@purdue.edu](mailto:plangift@purdue.edu) or (800) 677-8780.

**PURDUE**  
UNIVERSITY

## FACULTY & STAFF NEWS



**Bruce Carlstedt**, Professor of Pharmacy and Director of the Nontraditional Doctor of Pharmacy Program, was inducted into the

Indiana Soccer Hall of Fame. The Hall of Fame, started in 1992, honors the outstanding achievements and contributions of individuals whose significant accomplishments and effect upon the sport in Indiana merit the highest recognition.



**Tiffany Mousel**, Pharmacy Academic Advisor, is the recipient of the *2009 Purdue Academic Advising Outstanding New Professional Award*.



**Jean-Christophe Rochet**, Associate Professor of Medicinal Chemistry and Molecular Pharmacology, is part of a Howard

Hughes Medical Institute research team that is discovering new strategies to treat neurodegenerative diseases. To read more, visit [http://www.hhmi.org/news/lindquist\\_20081120.html](http://www.hhmi.org/news/lindquist_20081120.html).

*Photo courtesy A. J. Mast/AP. © HHMI*

In January, **Craig Svensson**, Dean of the College of Pharmacy, Nursing, and



Health Sciences, was an invited speaker at the Purdue Women in Health Leadership Event held in New Jersey. He spoke

about his background, career, and gave an update on the School of Pharmacy and Pharmaceutical Sciences. Also speaking at the event were pharmacy alumni Jennifer Asay (BS 1994) and Doreen Struble (BS 1985).

## Spotlight on **STANLEY L. HEM**

Professor of Physical Pharmacy,  
Department of Industrial and Physical Pharmacy

Dr. Stan Hem received his BS in Pharmacy degree from Rutgers University in 1961 and his PhD in pharmaceuticals from the University of Connecticut in 1965. He was a Senior Research Scientist at Wyeth Laboratories before joining the Purdue faculty in 1969. He is active in teaching and has received the Professor Henry Heine Outstanding Teacher Award in 1972, 1987, 1995, 2002, and 2006. He received Purdue University's Charles B. Murphy Award for outstanding undergraduate teaching in 2005. He is a member of the Teaching Academy and his name was added to Purdue University's Book of Great Teachers in 2008.

Dr. Hem's current research interest is in the formulation of vaccines using aluminum-containing adjuvants. Many believe that vaccines have made the greatest contribution to public health of any medical discovery. The two components that make a vaccine effective are an antigen and an agent to potentiate the immune response that is known as an adjuvant. His research on aluminum-containing adjuvants, the only class of adjuvant approved by the FDA, has had a significant impact on human health by providing the insights necessary to increase the efficacy of vaccines. His research has contributed directly to the following vaccines: avian flu (H5N1), Clostridium difficile disease, hepatitis B, HIV/AIDS, hookworm, human papilloma virus, malaria, recombinant anthrax, and West Nile virus.

Because vaccines can change the health and economic vitality of people in underdeveloped countries, the opportunity to contribute to the development of vaccines for malaria and hookworm has been especially satisfying. Dr. Hem is looking forward to additional opportunities to apply his research to vaccines for diseases endemic in underdeveloped parts of the world.

His research consists of a series of important discoveries that created the knowledge base needed to change the formulation of vaccines from an empirical approach to a rational approach. The new ideas that he developed resulted from the innovative combination of physical chemistry and immunology, and his most recent discovery may be the most significant. Two parameters are important in adsorption: the extent of adsorption and the strength of the adsorption force. Vaccine formulation has focused exclusively on the extent of adsorption. He showed that antibody production as well as T cell activation is inversely related to the strength of adsorption. This research was the first to demonstrate that antigen processing and presentation to T-cells is impaired when the antigen is adsorbed too strongly. Dr. Hem, in collaboration with Merck and Novartis, has just confirmed this conclusion in studies with the hepatitis B antigen and the HIV/AIDS antigen. This innovative research has already led to improved vaccines. The impact of this research will grow as the ideas continue to be incorporated into the formulation of vaccines. He has successfully combined physical chemistry and immunology to change the way vaccines are formulated.

### **What first drew you to your research field?**

GlaxoSmithKline asked me to help formulate an experimental malaria vaccine. In working with them, I realized the great potential that vaccines have to improve health and that there were many scientific questions that needed to be studied. I began to direct my graduate students to research projects related to vaccines.

### **What is it that interests you most about your research?**

I've been fortunate that vaccine companies have been able to apply



## *The Stanley L. Hem Pharmacy Scholarship*

Dr. Hem's dedication to his students and the profession of pharmacy has positively influenced a generation of research scientists as well as thousands of pharmacists in the State of Indiana and the world, which in turn have influenced the care of hundreds of thousands of patients. Through donations given by a former graduate student to the School of Pharmacy and Pharmaceutical Sciences, an endowment fund has been provided in Dr. Hem's honor for the establishment, support, and maintenance of one or more academic merit-based annual scholarships for students in the professional program in the School.

Upon learning about the scholarship, Dr. Hem comments that he's had many wonderful experiences at Purdue, and he is pleased that this scholarship will allow him to leave his footprints on the history of the School of Pharmacy.

our research to their projects. It is very satisfying to know that our papers are being read and used to benefit health.

### **What do you hope to discover?**

We want to change the formulation of vaccines from a trial and error approach to a scientific approach. This will ensure that each vaccine is the most effective that it can be.

### **What are you currently working on?**

We are focusing on the processes that occur at the injection site. This is where antibody production begins and surprisingly, no one has taken this approach. We're collaborating with Dr. Mark Green, a nuclear pharmacist, and Dr. Harm HogenEsch, an immunologist.

### **What do you enjoy most about working with students?**

Discovering the unexpected. We always begin a research project with a hypothesis that we use to design the experiment. Frequently, the student's results contradict our hypothesis and we must rethink the problem based on the new results. This is both challenging and exhilarating.

**"I am very aware of how a good education can change a person's life," he says. "I hope that this scholarship will enable students to gain a Purdue degree and be equipped to help others."**

To contribute to *The Stanley L. Hem Pharmacy Scholarship*, please make checks payable to "Purdue Foundation" with Hem Fund written in the memo section and mail to the School of Pharmacy and Pharmaceutical Sciences, Purdue University, Heine Pharmacy Building, Room 104, 575 Stadium Mall Drive, West Lafayette, IN 47907-2091. Please contact Linda Yelton, Manager of Stewardship, if you have further questions at (765) 494-1370 or [lyelton@purdue.edu](mailto:lyelton@purdue.edu).



# FACULTY EMERITUS

## Catching up with **Stanley Shaw** Professor Emeritus, Nuclear Pharmacy

### So, what have you been up to since donning the title Professor Emeritus?

I have been able to return to reading for pleasure and increase the level of my war on weeds that insist on growing in the lawn, shrubs and flowers. At times, I attack the large number of boxes containing materials that have accumulated over the 40 plus years at Purdue. Learning to relax has been a work in progress, as well as returning to travel for pleasure. Time for sharing with our children and grandchildren has been a welcomed benefit of retirement.

### What first drew you to your interest in pharmacy? Why did you choose this career?

My road to pharmacy and academia started with the encouragement of my high school chemistry teacher. He suggested that pharmacy would be a good career for me as I enjoyed the sciences. Also, he told me that I could enter pharmacy by attending a land grant school in South Dakota. This was enticing as a good friend from my high school was there already. Interestingly, the science teacher also encouraged me to consider a career in teaching, a role that I so enjoyed at Purdue.

During my last year of my four year program in pharmacy, I was encouraged by a couple of professors to go on for a MS in Pharmaceutical Sciences. I did so and was introduced to the wonders of using radioactivity in research. Following the MS, the professors encouraged me to attend Purdue and continue on to receive a PhD. My major professor



Dr. Stanley Shaw retired as Head of the Division of Nuclear Pharmacy at Purdue University in 1995. He began his career at Purdue in 1962 when he accepted an offer to join the newly formed Department of Bionucleonics (now the School of Health Sciences) after completing his PhD from Purdue that same year. Now, five years post-retirement, we thought we should catch up with Dr. Shaw and see how the golden years are treating him, and get his perspective on the field of pharmacy today.

at S.D. State U. received his doctorate under the direction of Dr. John Christian, so it was a given that I would continue on under his direction, as well. I received my doctorate from Purdue while continuing the research component back at S.D. State. Within a year or so, I was back at Purdue as a young professor, and the rest is history.

### What are some of the biggest changes you've seen in the profession through the years?

As undergraduate students in the College of Pharmacy at S.D. State, we spent considerable time and effort learning to compound products, and actually used the skills in the practice of pharmacy at that time. Little to no knowledge

was provided in regard to disease states and patient care. Today, compounding is almost a specialty practice and pharmacy students spend considerable time learning about disease states, drug therapy, and counseling as well as becoming a member of the team that manages patient care. As students, we were instructed never to share information about medication with the "customer," but instead to inform them that they should contact their doctor for answers to their questions. Also, six years of education, residencies, and fellowships have replaced the four year degree available to us as students in pharmacy.

### What have been your greatest joys (and challenges) in working with the students?

In my role as an educator, my greatest joy was aiding a student to prepare for and then enter into a career that was fulfilling and beneficial to the student. This was true for both graduate and undergraduate students. It was so satisfying to see a student become excited and enthused about the challenges and opportunities available in a specialty such as nuclear pharmacy or research utilizing radioactivity as an analytical tool.

The challenge for me was to remain current in my field, to keep in touch with the real world of nuclear pharmacy practice and then to impart this knowledge to students in a manner that was exciting and informative. Working with the students was truly a joy.

### Any interesting experiences you'd like to share with our audience?

While many interesting experiences took place with my family and through work at Purdue, I believe that those most enriching took place through professional activities at the national and international level. Sharing with educators and practitioners having the same common interest was most enriching and useful for my endeavors at Purdue. Experiencing the culture in other countries expanded my appreciation of

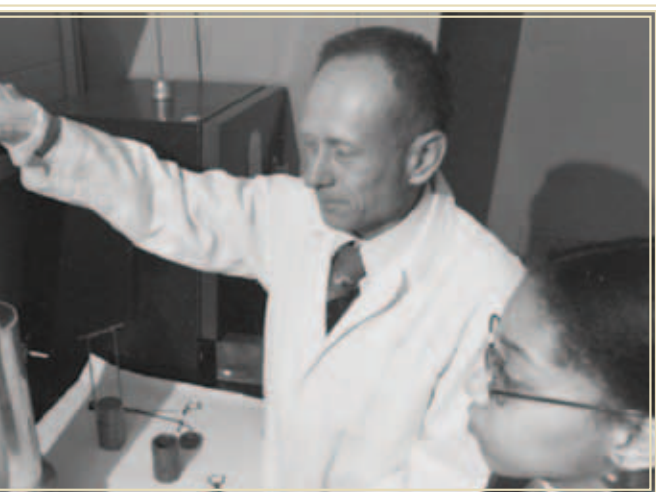




the commonality of the dreams and desires of people across our world. For example, touring temples in Japan with my former graduate student from Japan was a spiritual experience for him and an enlightening one for my wife and me. Having a dinner prepared in the home of a professor in Saudi Arabia introduced me to a culture quite different from mine. The meal was prepared, placed in a room, and then only the male guests were present as his wife was not to be seen by a stranger. Indeed, networking with educators and practitioners across America and many other countries provided experiences that were far beyond the wildest dreams of a boy growing up in a rural small town in South Dakota.

**And finally, we all want to know... what ever happened to the "Orange Plate?"**

The original orange plate (really a bowl) now resides at home with me. Its successor was presented to Dr. Kara Weatherman at my retirement dinner with an appropriate flare provided by a Scottish bag piper followed by my grandson carrying the plate on a fine pillow. I am confident that the new plate will continue on the tradition of enticing and encouraging undergraduate pharmacy students to consider the merits and wonders of the world of nuclear pharmacy. I have been blessed in this endeavor and am so thankful for the wonderful career provided through the encouragement and help of many individuals along the way, and especially the untiring support of my wife and family.



**November 13, 2009**

*7th Annual Garnet Peck Symposium*

# Emerging Trends in Health Care

*The School of Pharmacy and Pharmaceutical Sciences will present the 7th Annual Garnet Peck Symposium on November 13, 2009. The symposium will focus on Emerging Trends in Health Care and is part of the School's 125th Anniversary Celebration.*

**MODERATOR:**  
**Ronald Dollens (BS 1970, HDR 2001)**  
Former President and CEO of Guidant Corporation

**SPEAKERS:**  
**Timothy Dickman (BS 1979)**  
President and CEO, Prime Therapeutics, Inc.  
*The Impact of Pharmacy Benefit Managers in the Development and Use of Pharmaceutical Products in the 21st Century*

**Habil Khorakiwala (BS 1966)**  
Chairman, Wockhardt, Ltd  
*Globalization of Health Care Services*

**John Lechleiter**  
President and CEO, Eli Lilly and Company  
*Strategies for Discovering and Developing New Medicines in the 21st Century*

**Richard Markham (BS 1973, HDR 1998)**  
Partner, Care Capital  
*Financing Innovation in the Life Sciences for the 21st Century*

**Gregory Wasson (BS 1981)**  
President and CEO, Walgreens  
*Transforming Community Pharmacy for the 21st Century*

*Additional information will be available online at <http://www.ipph.purdue.edu/peck/>.*

## Fall Reunion Weekend

On November 21-22, 2008, the School of Pharmacy and Pharmaceutical Sciences celebrated its Fall Reunion Weekend for the Classes of 1983, 1993, 1998 and 2003. The weekend kicked off on Friday with a tour of the pharmacy building and campus, with highlights along the way including Mackey Arena, Ross-Ade Stadium, and Mollenkopf, and ending on a sweet note at Pappy's Sweet Shop. Everyone had a chance to catch up with their classmates and former faculty members later that evening at a reception in the Purdue Memorial Union. Dean Craig Svensson and his wife, Sue, welcomed alumni to the Reunion Tailgate on Saturday morning. Alumni, faculty, and staff enjoyed chili, hamburgers, and all the fixings in the warmth of the Pharmacy building foyer. From there, everyone headed to the victorious Purdue vs. IU football game. What a great way to end the weekend, as well as the Tiller era!



*Marcel Sassola's son, Anthony, got the chance to meet Purdue football great Leroy Keyes*



*Class of 1983 alumni David Domouchel and Marcel Sassola enjoyed being back in Weatherill 200*



*Professor Emeritus Nick Popovich came back for the weekend and enjoyed seeing Pharmacy alumni such as Winnie Landis (BS 1981)*

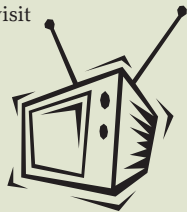


*Pharmacy Class of 1993 alumni*

1983  
1993  
1998  
2003

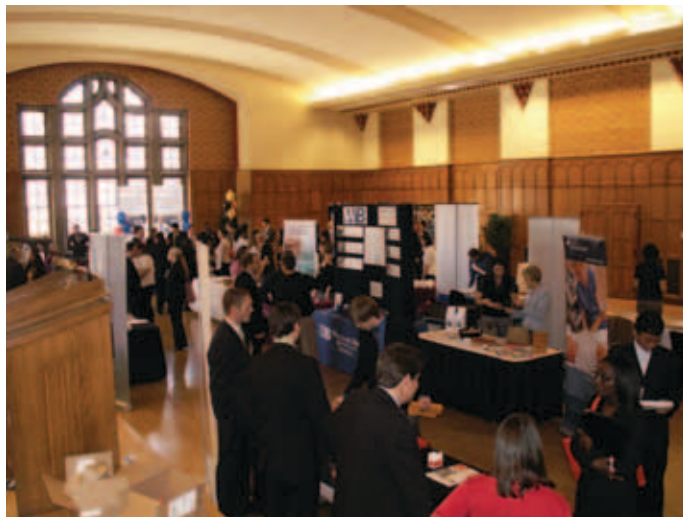
## Medicare Part D Help

Purdue Pharmacy students received some press time this past December. WLFI Channel 18 in Lafayette featured a news segment on Medicare Part D assistance. Senior citizens attended the Tippecanoe Community Health Clinic where our students were on hand to counsel them about the insurance plan. This is the third time that the School of Pharmacy and Pharmaceutical Sciences has offered Medicare Part D counseling to the community. To view the online news coverage video, please visit [http://www.wlfi.com/dpp/news/News\\_WLFI\\_Lafayette\\_MedicarePartD\\_2008126](http://www.wlfi.com/dpp/news/News_WLFI_Lafayette_MedicarePartD_2008126)



## Pharmacy Days Career Fair

Pharmacy Days is a highly focused series of events for Pharmacy and Pharmaceutical Sciences students and employers. The Career Fair is open to Pre-Pharmacy, pre-BSPS, BSPS, and Pharmacy students, allowing them to access employment information for internships, residencies, full-time positions, and career exploration. The Career Fair is followed by two days of interviewing for summer and full-time opportunities.



*Both the North (shown) and South Ballrooms were filled with employers and students*

## Supervalu's Corporate Partner Reception

The Corporate Partners Program was established in the Spring of 2001 to give corporate friends the opportunity to allocate funds to several areas within the School of Pharmacy and Pharmaceutical Sciences throughout the year. On November 4, 2008, partner Supervalu held a reception with pharmacy students at Maize Restaurant in downtown Lafayette. The School is proud to partner with Supervalu and truly appreciates their generous support.



*Supervalu representative Steve Keen (BS 1981) with pharmacy students*



*Walgreens representative Cathy Simmons (BS 1998) presents Dean Craig Svensson with a check for the support of programs that positively impact and inspire diversity within the School*



*Indiana Pharmacist Alliance*



*Community Health Network, Indianapolis*



*CVS/Pharmacy*



Assistant Dean Eric Barker poses with each of the Kienly award recipients (L to R) Ryan McCann, Lori Ward, and Kristy Wilson

## The Jenkins-Knevel and Kienly Awards Symposium

The Jenkins-Knevel and Kienly Awards Symposium was held on November 6, 2008. The Kienly Awards have been endowed since 1976 by gifts from Dr. Albert V. Kienly, Jr., as well as by an anonymous faculty gift in memory of Dr. Kienly's father and mother. Dr. Kienly, Jr., who passed away in November of 2002, graduated from the Purdue University School of Pharmacy in 1940, and his father graduated from the School in 1901.

The 2008 recipients of the Kienly Awards are: **Ryan J. McCann**, Industrial and Physical Pharmacy; **Lori M. Ward**, Pharmacy Practice; and **Kristy J. Wilson**, Medicinal Chemistry and Molecular Pharmacology.

The Jenkins-Knevel Awards are supported by Dr. Serena Ford, daughter of Dr. Glenn L. Jenkins, Dean of the School of Pharmacy from 1941 to 1966, and other donors. They are given in honor of Dr. Jenkins and Dr. Adelbert M. Knevel (PhD 1957), professor emeritus and former Associate Dean for Graduate Studies and Research from 1969-1987. Dr. Knevel passed away in December of 2006.

The 2008 recipients of the Jenkins-Knevel Awards are: **Lisa Bonner**, Medicinal Chemistry and Molecular Pharmacology (*Exploration of the Complex Hydrogen-Bonding Network in the D1-like Dopamine Receptors: Synthesis and Evaluation of Bicyclic Catechol-containing Dopamine Analogues*); **Fang Liu**, also from Medicinal Chemistry and Molecular Pharmacology (*The Neuroprotective Function of DJ-1 in a Cellular Model of Parkinson's Disease*); and **Michelle K. Papp**, Industrial and Physical Pharmacy (*The Application of Acoustic Emission to the Manufacture of Pharmaceutical Products*).



(L to R) Michelle Papp, Assistant Dean Eric Barker, Lisa Bonner, Fang Liu, Associate Dean Val Watts

## AAPS Alumni Reception

The School of Pharmacy and Pharmaceutical Sciences visited Atlanta, Georgia, on November 16, 2008. The School held its annual Alumni and Friends Reception at the American Association of Pharmaceutical Scientists meeting. Alumni and friends of the School visited with faculty and graduate students, and Dean Craig Svensson gave a brief update on the School and recognized Dr. Stephen Bryn, Professor of Industrial and Physical Pharmacy, for being named the 2008 recipient of the University's Outstanding Commercialization Award. Appreciation was given to Abbott Laboratories and the Pharmacy Alumni Association for sponsoring the event.



Dr. Stephen Bryn with some of his current and former IPPH graduate students

## Donor Recognition Brunch

The School of Pharmacy and Pharmaceutical Sciences held its annual Donor Recognition Brunch on November 1, 2008. This event recognizes individual and corporate donors whose generosity makes scholarships and fellowships possible for our deserving students. Approximately 170 donors, scholarship recipients, faculty and staff enjoyed a pre-game brunch and speeches by Robert A. Brown (BS 1951) and third professional year student Clare Rupprecht at University Plaza Hotel. Following the festivities, most participants traveled to Ross Ade Stadium to see the Boilers triumph over Michigan.



*Donors (L to R): Carol and Ross (BS 1955) Deardorff; Rosemary and Richard (BS 1942) Deardorff; and Beverly and Frank (BS 1957) Deardorff*



*Professor Emeritus Stan Shaw visits with Rebecca Marshall (BS 1974) and scholarship recipient Nicholas Sciacca*



*Robert A. Brown (BS 1951)*



*Morgan (BS 1967, MS 1968, PhD 1972) and Winnie Beaty*



*Guests enjoy visiting with one another before brunch is served*



*Al Fites (BS 1964, MS 1968, PhD 1970) and Ashok Gore (MS 1966, PhD 1968)*



*Chetan Pujara (PhD 1997), Saly Romero (former IPPH post-doc), and Rosalind Jackson (PhD 1997)*



*Dave Matting (BS 1962) and Fred Edwards (BS 1961)*

## 1940-1949

**Donald Shaevel** (BS 1948), Palm Springs, CA, is retired but still works part time, is in good health, and has been married for 55 years. Donald came back to Purdue with his family for Homecoming in 2007 and performed in the 100th anniversary of the Block P formation.

## 1950-1959



Sandy and **Robert L. "Bob" Anderson, Sr.** (BS 1957) have been traveling the world—including Peru, Machu Picchu, Argentina, Brazil, and most recently South America (see photo) wearing Purdue colors. "I travel a lot, and my wardrobe always contains many Purdue items, including a hat, sweater, sweat-shirt, golf shirts, and even a camera strap around my neck," comments Bob. He says he receives many favorable comments from others on tours, often from people on the street.

## 1980-1989

**Jeffrey Buck** (BS 1982) was recruited and selected as Director of Pharmacy for St. Joseph Medical Center, a 400 bed hospital in downtown Houston, TX.

**Amy Mihelich** (BS 1989) and her husband Anthony have two daughters in college and triplet boys that are in the third grade.

David Ogden (BS 1985, Education) and **Karen Balukiewicz Ogden** (BS 1984), of Granger, IN, continue to meet up with friends prior to Boilermaker football games. They also have a son, Michael, who participates in Purdue GERI summer residential program.

**Roberta (Hunter) Zicarelli** (BS 1983) (rhz860@comcast.net) enrolled in the Masters program at Northwestern University for Medical Informatics. She plans to complete the degree in about 2 1/2 years, and hopes by then a PhD program will be in place.

## 1990-1999

**Tracy (May) Fischer** (BS 1997) and her husband, Andy, welcomed daughter Katelyn May into the world on August 22, 2008. She weighed 8 lbs 5 oz and was 21 1/2 inches long. Katelyn joins big brothers Sam (8) and Caleb (5).



Kara Paige was born on October 13, 2008, to the proud parents of **Wendy (Dorfman)** (BS 1999) and Randy Kerth, Jr. She weighed 8 lbs 5 oz and was 20" long. Her big sister, Jordana, is very proud.



Jason (BS 2000, Aviation) and **Justine (Schuller) Gortney** (PharmD 1999) welcomed the birth of their son, Graham Martin, on July 9, 2008.

**Kenneth McCamish** (BS 1993) (kenetha65@yahoo.com), a pharmacist at Clark Memorial Hospital, is the recipient of the WoW Award for his assistance with Spanish-speaking patients.

**Jennifer (Ksiazek) Mizanin** (BS 1998) currently works for Cardinal Health as a nuclear pharmacist. Her husband, Michael, is a wonderful stay-at-home Daddy to four children under the age of 4! Jenna Theresa was born on November 2, 2008, weighing 7 lbs 15 oz and measuring 19 1/2" long.



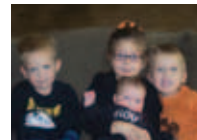
Jenna was greeted by big sister Alyson (3 1/2) and big brothers Michael III (2 1/2) and Dylan (1), as well as a yorkie-poo dog named Peanut.

**Tara and John Voliva** (both BS 1999) welcomed their second daughter on November 6, 2008. Reese Helen weighed 7 lbs 3 oz and was 21" long. Dad, Mom, and big sister Reagan are all doing well. The Volivas wish everyone on campus well and hope all of their classmates scattered across the country are happy, healthy, and enjoying their profession.

Craig and **Lori (Arvin) Weyer** (BS 1997) (loriweyer@verizon.net) welcomed their fourth daughter, Kira Isabella, into the family on December 17, 2008. She joins sisters Layla Grace (5), Mia Noelle (3), and Hallie Sophia (1).

## 2000-Present

**Brian and Tina Billingsly** (both PharmD 2002) welcomed their fourth child, Brooke Addison, on August 16, 2008. She was greeted at home by her sister Rachel (5), and brothers Samuel (4) and Mark (2).



**Margaret (Gerharz) Heger** (PharmD 2001) (pharmd125@yahoo.com) and her husband, Michael (BS 1999, ME) celebrated the birth of their second child on September 4, 2008. Katherine Rose was born weighing 9 lb 4 oz and was 20 1/2 inches long. She joins her older brother, Michael David, who turned 3 on December 22, 2008.

Aaron (ME 1999) and **Michelle (Merten) Miller** (PharmD 2001) were blessed with their third child, Elizabeth Ashley, on November 28, 2008. She weighed 8 lbs 15 oz and was 21 1/4" long. She was welcomed home by her proud big sister Katie (4) and big brother Matthew (2).



## In Memoriam

**Donald J. Carter** (BS 1957)  
**William F. Duesterberg** (BS 1948)  
**Eugene L. Levinson** (1939)  
**Mary Ellen Peck**, wife of Professor  
Emeritus Garnet Peck  
**Victor J. Schneider** (BS 1950)  
**Robert L. Starkey** (BS 1980)  
**Thomas R. Turner** (BS 1959)

**Joyce K. Findley**, daughter of  
*Dean H. Findley (PhD 1932)*

Dean Findley funded the *Dean and Mildred Findley International Endowment Fund* in the School of Pharmacy and Pharmaceutical Sciences in 1995. He passed away in 2006, and his daughter, Joyce, continued to support the School and endowment fund on his behalf.

Dean was passionate about seeing that students had the same opportunity to complete their studies despite economic hardships, and Joyce also shared in the determination and joy of helping others succeed. The School extends its sincere sympathy to the Findley family and expresses gratitude for Dean and Joyce's support through the years.

### CORRECTIONS *Fall/Winter (Vol. 84, No. 3)*



The photographs of Jennifer Campbell (PharmD 2006) that appeared on the cover and page 24 were taken by Julie Hendon, JHendon Photography.

On page 12, Charles and Sarah Sanders were inadvertently omitted from the Donor Honor Roll and should have appeared under the "Dean's Club Executive Level."

On page 25 in the 2008 Homecoming Weekend section, the photograph identified as "Cliff Barrett is a happy door prize winner" should have read "Brett Motter, husband of Krista Kammeyer (BS 1995), displays a wind breaker won as a door prize."



UPDATE  
YOUR INFO:

Moved?  
Started a new job?  
Retired?  
Just Married?  
Had a baby?

Share your news with us by completing the online form at [http://alumni.pharmacy.purdue.edu/index\\_form.shtml](http://alumni.pharmacy.purdue.edu/index_form.shtml).

OR

**MAIL TO:** School of Pharmacy and Pharmaceutical Sciences  
Purdue University  
Heine Pharmacy Building, Room 104  
575 Stadium Mall Drive  
West Lafayette, IN 47907-2091

**FAX:** (765) 494-9587

We encourage you to update your contact information so we can continue to keep you informed about the School of Pharmacy and Pharmaceutical Sciences. You will be given the opportunity to advise us whether or not to share your news in *The Purdue Pharmacist*. Class Notes only reports those events that have actually occurred; this precludes engagements and pregnancies. We also do not report divorces, and we reserve the editorial



discretionary veto. If you would like to submit a photograph (i.e., wedding and baby portraits), please mail them to the above address or email them to the Editor; they will be used based on appropriateness and space availability and will not be returned. Please direct Class Notes inquiries to **Amy Chandler, Editor**, at [chandler@purdue.edu](mailto:chandler@purdue.edu).



## In need of Purdue Pharmacy Gear?

You can now purchase School of Pharmacy and Pharmaceutical Sciences merchandise online at [www.frecklesgraphics.com/purdue\\_pharmacy/pharmacy.html](http://www.frecklesgraphics.com/purdue_pharmacy/pharmacy.html)

You'll find t-shirts, outer wear, head wear, accessories, and more! Visa and MasterCard are accepted, and items can be shipped directly to you. Visit the site and show your support by sporting the latest Purdue Pharmacy gear.



*We have the answer!*

[www.frecklesgraphics.com/purdue\\_pharmacy/pharmacy.html](http://www.frecklesgraphics.com/purdue_pharmacy/pharmacy.html)