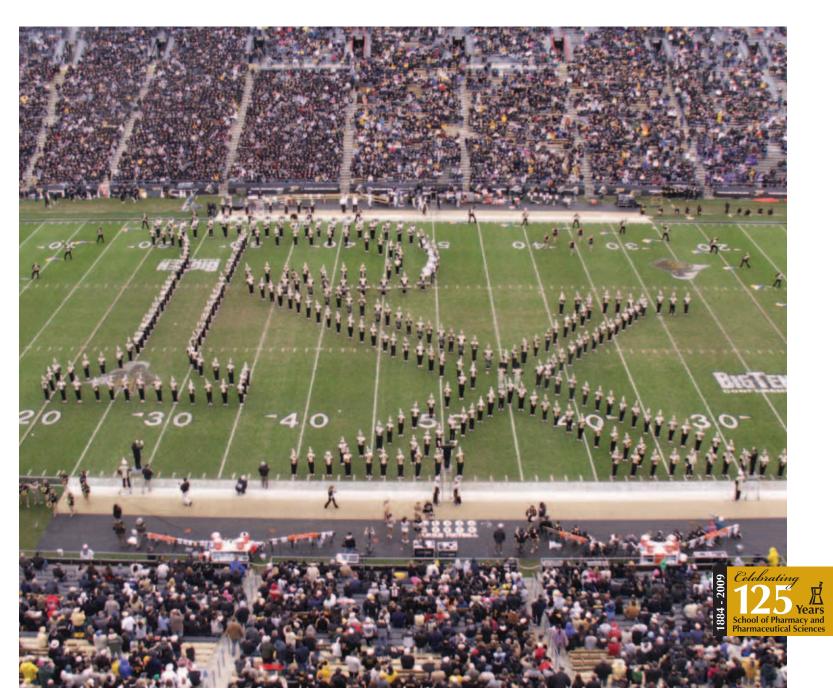
## THE PURDUE PHARMACIST

Fall & Winter 2009 | Volume 85, Issue 3





#### LETTERS TO THE EDITOR

Hello Amy,

It seems as if a picture from the 1960s has resurfaced for a second time this year (re: the picture on page 3 of the Summer 2009 issue and part of the picture page for March 2009 on the calendar). I am the student in that picture!

I loved my time at Purdue (September 1960 to January 1966), and I have loved my profession of being a pharmacist. The education and self-discipline I learned at Purdue have been a blessing throughout my life. There are many fond memories of "Patty-Bell" (Dr. Belcastro), Dr. DeKay, Dean Jenkins and others. I believe when our pre-Pharmacy class began in 1960 there were 125 students; out of that number there were 8 females and I was fortunate to be one of the students that made it through the curriculum and received my degree in "Pharmacy and Pharmacal Sciences." Took me a little longer than the usual five years as marriage and our first child were part of my Purdue experience.

After 18 plus years of working and owning a retail store, I transitioned to hospital pharmacy and retired in 2004, returning sporadically due to labor shortages. My hospital time overlapped with the end of my retail career, but after over 20 years as director of pharmacy at our hospital, I was ready to retire!

I came to Purdue on the train from my home outside of Syracuse, New York. I had everything I needed in a LARGE trunk, and no taxi could get it into its trunk! I'll never forget the craziness at the train station in Lafayette and finally arriving at my dorm—Warren Hall—for my freshman year. The next couple years I lived in Ann Tweedale until my marriage in 1963. From then on it was married student housing. I remember there was a little shopping strip out there that sold Spudnuts (donuts made with mashed potatoes—yummy). Lots of WONDERFUL memories.

Thank you Purdue!

Nancyjean (Pratt) Fey (BS 1966)



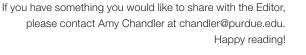
Nancyjean (Pratt) Fey poses in front of her display of pharmaceutical items in her home and jokes that most are even older than she. Her display always spurs interesting comments as guests arrive.



Fey as a pharmacy student during the 1960s

"I wish to commend you and your contributors on the excellence of The Purdue Pharmacist." I especially enjoyed the 125th Anniversary Edition with the reflections on past and present. Many thanks, and keep up the good work!"

G. Victor Rossi (BS 1954)







#### FROM THE DEAN



Welcoming a new group of students into the Purdue Pharmacy Family is always a special time for our faculty and staff. But welcoming the 125th class of Purdue Pharmacy students was a particularly memorable occasion! It began with an expanded orientation program that you'll find highlighted on pp. 34-35. Many thanks to Dr. Steve Scott and our student leaders for designing two and a half days of programming that provided a great transition to our professional program. Almost 1,000 family and friends joined us for our traditional White Coat Ceremony on September 13 (p. 41) which included a special proclamation from Governor Mitch Daniels recognizing the contribution of Purdue Pharmacy to the State of Indiana and congratulating us on our 125th anniversary. We were delighted to have Dr. Lucinda Maine, Executive Vice President and CEO of the American Association of Colleges of Pharmacy, serve as the keynote speaker for this event.

The front cover of this issue of The Purdue Pharmacist captures the special recognition accorded our School during Purdue's Homecoming celebration. The Purdue All-American Marching Band created an Rx formation while the stadium announcer marked the 125th anniversary of our program (pp. 4-5). The second ever Distinguished Alumni Weekend was held in November and thirty-seven recipients participated (p. 15). In addition to renewing old acquaintances, these alumni joined us for the 8th Annual Garnet E. Peck Symposium which brought a group of remarkable leaders (all but one of whom are Boilermakers!) to campus for a discussion of Emerging Trends in Health Care (p. 28).

In addition to celebrating the past, several articles in this issue demonstrate the foundation that is being built for the future by our current faculty, students and staff. Our goal is to assure that our next 125 years make an even greater impact than the first 125 years. None of this would be possible without the generous support of our loyal alumni and friends. We are pleased to recognize those who have supported the School in the 2008-09 fiscal year with our annual Donor Honor Roll that is included in the this issue. Thank you for your generous support!

Hail Purdue!

CRAIG K. SVENSSON

THE PURDUE PHARMACIST

Volume 85, Issue 3 (FALL & WINTER 2009)

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

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Fall & Winter 2009







#### Student Engagement ...

Teaching By Doing

2009 Distinguished Pharmacy **Alumnus Awards & Friend** of Pharmacy Award to McCann

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#### ON THE COVER: -

#### **2009 Homecoming Weekend**

The School of Pharmacy and Pharmaceutical Sciences celebrates its 125th Anniversary

Photo by Ryan Kough



# EECOTO-SIGNAL STATES OF THE PROPERTY OF THE PR



Dean Emeritus Chip Rutledge with Multicultural Program Students Joseph "Taylor" Tijerina, Betty-Jean Antwi, Kyung-Min Lee, Nicole Rios, Mikayla Garner, Jane Muriuki, Eric Johns, Osamudiamen Evbuomwan-Owa, and Martrell Golston **The School of Pharmacy** and Pharmaceutical Sciences had much to celebrate this year at Homecoming as it marked our 125th Anniversary. Hundreds of alumni, students, faculty, and staff gathered throughout the weekend at the many special events held in honor of the occasion, and we thank everyone for returning to campus to help us celebrate. Homecoming is a great time to reflect on our remarkable past and embark together on a new journey of outstanding moments in our School's history!



The Purdue All-American Marching Band forms the Rx



#### **PU vs. Northwestern Football Game**

Everyone was excited as they departed the Pharmacy Tailgate for Ross-Ade Stadium and the Homecoming game versus Northwestern University. While the outcome of the game was not what we would have liked, Pharmacy alumni and students received a special treat during halftime. The Purdue All-American Marching Band performed "I Want a New Drug" by Huey Lewis and The News as they formed the Rx symbol in celebration

SEND 200 FALL & W



Multicultural program students Kevin Rivera, Jasmine Jones, Zhuanqing "Sunshine" Gong, Eric Johns, Lexus Jackson, and Anisha Doshi



The chili was a crowd pleaser



#### **3rd Annual Pharmacy Student and Alumni Chili Supper**

The 3rd Annual Pharmacy Student and Alumni Chili Supper was a huge success! Students and alumni savored great chili and soup as they visited with each other on Friday, October 2, 2009. Student Organizations were on hand to sell glasses, t-shirts and scarves, and the alumni enjoyed meeting the students and making those purchases.

Thanks to the Multicultural Program students for helping set up and host the event. The rain stayed away until everyone had gone home. The chili ran out, but no one left hungry!

PSSHP students sell some great t-shirts and scarves







APhA-ASP distribute the "Vials of Life"

#### **Pharmacy Tailgate**

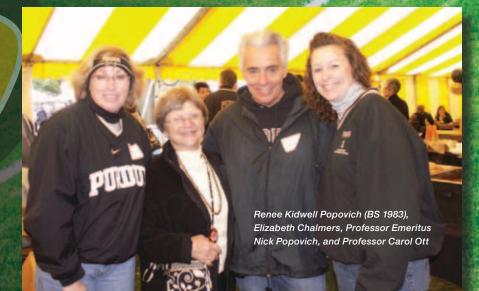
The Pharmacy Homecoming Tailgate attracted hundreds of alumni and friends of the School back to campus on Saturday, October 3, 2009. The event offered alumni and students the opportunity to interact. Alumni also were able to reconnect with classmates and former faculty including Patrick Belcastro and Nick Popovich. Alumni came from Indiana, Florida, Michigan, Illinois, Ohio and many more places!

The menu included grilled chicken, barbeque, sausage gravy and biscuits. The weather did not dampen the spirits of these loyal Boilermakers, and the coffee was great to knock off the chill.

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Alumni and friends make their way through





Pam Ringor's (MBA 1994, BS 1997) future Purdue Pharmacists Amelia and Ambrose

Craig and Sue Svensson greet alumni

### Student Engagement ...



A different approach yields a different outcome, and the School of Pharmacy and Pharmaceutical Sciences wants our students to make a difference in the lives of their patients. We believe in "teaching by doing," and what better way to do that than through student engagement opportunities. The following information is just a sampling of the many ways we instill the importance of making a difference in our PharmD students as they embark on the profession of pharmacy.

# Teaching By Doing

#### The Introductory Pharmacy Practice Experience (IPPE) Program

During your coursework, you will learn how to treat an ear infection. From your service experience you will learn that it may be impossible to treat an ear infection if the family doesn't understand your language, if they can't afford the medication, if they don't have transportation, if they don't understand the importance of the medication, or they don't trust their doctor. As pharmacists, we must call upon multifaceted experiences to find solutions to basic problems.

The text you just read is the introductory paragraph to the handbook for the IPPE program, a required component of the professional pharmacy program. Experiential learning—a teaching methodology based on the premise that people learn most effectively by "doing themselves" rather than only hearing someone talk about it—is by far one of the most important aspects the School incorporates into its curriculum. Research demonstrates that students who combine classroom learning with real experiences perform better than those taught by passive learning techniques alone. Experiential learning improves depth of understanding, advances problem solving, enhances retention of information, and makes coursework more personally mean-

ingful. The final year of our program is entirely experiential learning consisting of ten 4-week rotations.

First year professional students complete the Professional Service Experience, the first of three IPPE courses in the curriculum. During this year, students complete 30 hours of patient service and a group service project to engage in a site's mission,



demonstrate citizenship, and develop leadership skills. Implementation of a service project adds value to the site and demonstrates a contribution from our profession. This also presents the opportunity for students to showcase individual talents and demonstrate leadership abilities.

"We have first year students in 11 different community healthcare organizations this year," says Patti Darbishire, Clinical Assistant Professor of Pharmacy Practice and Director of IPPE. Dr. Darbishire has been involved as a member of the University Service Engagement Advisory Board for several years and this year was selected to the 2009 Community of Service Learning Faculty Fellows. "Working within this [advisory] group has been instrumental in providing me with the tools to better the first year pharmacy program experiences," she comments.



"I have been a volunteer at the **Indiana Veterans' Home since** December 2007. I initially volunteered in order to complete my IPPE hours, but have continued to go every Friday evening to spend time with the [Alzheimer] residents. I was fortunate enough to secure a grant from Purdue University in order to purchase the IVH a Nintendo Wii and have been conducting weekly Wii Bowling sessions. I play an important role in assisting the residents with their technique, and most have improved to the point where they no longer require my help. My time at the IVH has been and continues to be an important part of my life."

EMMANUEL EVANGELISTA EMBUSCADO, PharmD Student



Pharmacy student Rika Danielson retrieves medications at the Riggs Community Health Center pharmacy for their Medication Assistance Program patients

"Students work with our pharmacotherapy and medication assistance programs where they assist uninsured and underinsured patients in receiving the medications they need, and answer questions they may have. Under the [IPPE director] supervision, these students are well prepared and a vital component of our mission to improve access to high-quality, cost-effective, comprehensive health care, with respect and compassion to underserved community members."

VERONIQUE LEBLANC President and CEO Riggs Community Health Center

"The Doctor of Pharmacy students develop and implement a drug abuse prevention health fair each spring semester. I am proud to say that the 2009 fair received 'The Best Professional Project Award' which is a Pharmacy School student organization award presented at the School's Spring Fling in April."

JANE KRAUSE Clinical Associate Professor of Pharmacy Practice

> **Drug Abuse Prevention** and Awareness Health Fair held at Payless/ Kroger Pharmacy in West Lafayette (Spring 2008 & 2009)

#### **Professional Service Experience Organization Fair**

As part of the IPPE Program, the Professional Service Experience Organization Fair was held on September 1, 2009, to bring together first professional year pharmacy students and leaders in local healthcare community services. After meeting with the organization's leaders, students select a healthcare provider to work with throughout the year to provide direct client services. Students also work in small groups with the organization's leader to develop and implement a service project that directly benefits their clients or the organization's ability to provide care. Student groups write for grants to support project implementation. Through this course, students have developed and implemented over 100 community healthcare projects.

#### **Tobacco and Drug Abuse Prevention and Awareness Health Fair**

The Tobacco and Drug Abuse Prevention and Awareness Health Fair was held on March 28, 2009, at the Payless/Kroger on Sagamore Parkway in West Lafayette and at the Payless/Kroger on Greenbush Street in Lafayette. Goals for the project were to: raise awareness in the community about tobacco and drug abuse to help reduce youth initiation; answer questions and provide education to the general public; give Doctor of Pharmacy students the opportunity to interact with the community and show they are available to help with any health concerns; and develop a stronger relationship between Purdue University School of Pharmacy and the Lafayette and West Lafayette communities.

Thirteen of our pharmacy students spoke with a total of 242 individuals targeting children, youth, and parents or guardians. Display tables covered all drugs of abuse and also had a special section dedicated to tobacco awareness and prevention. There were two interactive games created by the pharmacy students. The spin-thewheel game consisted of only tobacco questions while the pick-a-card out of a fishbowl game had questions from multiple commonly abused drugs, both developed using the Centers for Disease Control and Prevention and the National Institute on Drug Abuse websites. Prizes for these games included Frisbees, airplane gliders, candy, bracelets, and stickers. There were also activity books, coloring books, bookmarks, posters, and pamphlets covering the different type of abused drugs, all of which were graciously provided through funds from the Tobacco Free Partnership of Tippecanoe County and the Purdue University Student Grant Program.

To determine the success of the health fair, adults were asked to complete a brief five question survey which covered the quality of information provided, communication and approachability, interactive games, and ability to answer questions. The rankings went from strongly agree (5 points) to strongly disagree (1 point), and the students averaged 4.77 to 4.93 out of 5 for the first four questions. The fifth question was whether or not the health fair was useful to the community, which 100% responded that it was useful.

The health fair was originally developed and implemented by Jill McQuern and Janice Hallenbeck (both PharmD, 2008) as their PharmD project while on clerkship rotations. The project now continues as a combined effort from pharmacy students enrolled in Drug Abuse/Addiction Education (PHPR/MCMP 316) and members of the Purdue Student Society of Health-System Pharmacists (PSSHP) student organization.









A drawing of "SpongeBob No Drugs" by one of the participants of Camp Building Character (June 2009)



PharmD students Amanda Alejandria and Andrea Murray with the Camp **Building Character** Director (June 2009)



Purdue students leading class at Camp Building Character (June 2009)

#### **Camp Building Character**

Drug Abuse Prevention Educational Program for Children and Youth

Camp Building Character is four week day-camp during June for children and youth in Benton County who are patients of Wabash Valley Hospital Outpatient Services. As part of a four-week advanced experiential rotation, Doctor of Pharmacy candidates participate in the camp as instructors with the goal to educate the campers about the safety of prescription medications and raise awareness regarding the abuse potential and adverse effects of addictive substances. Two Doctor of Pharmacy candidates (Andrea Murray and Amanda Alejandria) developed and presented drug abuse prevention educational sessions and activities for the camp participants this past June.

The 29 campers were divided into two classrooms (grades K-3 and 4-7) with information targeted at the particular age groups. The information presented to the younger group was split into background information about pharmacy and pharmacist responsibilities as well as drug safety, followed by information about addiction, alcohol, and tobacco. Information presented to the older group included background information on drugs and addiction, followed by specific information on depressants, stimulants, and mind altering drugs. Time was allotted each day for review and a question and answer session for both groups.

Activities were included each day which reinforced the information presented. Educational materials and prizes also were given daily to each camper. Funds from the Purdue University Student Grant Program allowed for the purchase of these prizes and educational materials which included bracelets, bookmarks, stickers, coloring and activity books, Frisbees, water bottles, and mini balls all adorned with drug-free messages.

Because of this program, campers learned valuable information about drug abuse and the disease of addiction. It is hoped that this intervention will impact the children and youth in terms of drug and alcohol abuse/addiction. This project allowed pharmacy students to serve Benton County as ambassadors of Purdue University and the School of Pharmacy, as well as the profession of pharmacy. Overall, the feedback was positive and camp administrators believed the participants benefited from the presentations and would like to see these series of educational presentations and activities become an annual part of the camp.

"I loved the level of content and depth [of the program]. The kids this age really enjoyed material that was deeper than their average health 'Don't do drugs' class."

CAMP COUNSELOR Wabash Valley Staff

pon the occasion of the School's Centennial in 1984, the and (then) Pharmacal Sciences chose to initiate a Distinguished title of Distinguished Pharmacy Alumnus is conferred annually upon selected alumni in recognition of their outstanding achievement in professional and of the School of Pharmacy and Pharmaceutical Sciences selected four alumni to receive the 2009 Distinguished Alumni Awards.

Holly Bonsignore, Satish Reddy and Dolores Shockley were honored at an awards event on October 30, 2009, in the Faculty Lounges of the Purdue Memorial Union. Unable to attend the event, Gregory Wasson was presented his award at the Distinguished Alumni Reunion Dinner on November 13, 2009. 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 in the field of pharmacy and/or 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. The faculty of the School of Pharmacy and Pharmaceutical Sciences selected one friend— William Sonner—to receive the 2009 Friend of Pharmacy Award. He was honored at the awards



(L to R) Friend of Pharmacy recipient William Sonner and Distinguished Alumni recipients Dolores Shockley, Satish Reddy and Holly Bonsignore [not pictured Gregory Wasson]

event on October 30, 2009.





Satish Reddy (right) enjoys visiting with fellow guests at the Distinguished Pharmacy Alumni Awards Luncheon

#### Holly M. Bonsignore

BS, Pharmacy, Albany College of Pharmacy, 1982 PhD, Industrial and Physical Pharmacy, Purdue University, 1987 Director, New Products Group, Pfizer Global Manufacturing, Pfizer Inc.



Holly joined the Merrell Dow Pharmaceutical Development department as a Senior Research Pharmacist after graduating from Purdue. While there, she led a small group that performed preformulation studies and devel-

oped oral liquid and solid dosage forms. In 1992, she joined Glaxo's Process Science and Technology group, initially conducting the scale-up and transfer of oral solid dosage forms to production, earning her a CEO award with a cross-functional team for acceleration of the Zantac OTC project. After several years, she moved to leadership of a group focused on manufacturing process optimization and industrialization of new inhalation products. In 2002, she joined Pfizer, Inc. as Director of the Product and Process Development group in its Brooklyn, New York, manufacturing facility. She served on the site leadership team and led a group that consisted of approximately 45 process development scientists, laboratory analysts and pilot plant operators. In 2005, she moved to her current position in the Pfizer Global Manufacturing New Products Group where she is responsible for managing the commercialization of all Pfizer small molecule human health products.

Professionally active, she has organized several scientific programs for American Association of Pharmaceutical Scientists (AAPS) meetings, has participated on a FDA PQRI working group on specification setting and on the PhRMA Drug Product Technical Group, and serves on the Dean's Industrial Advisory Council for the Purdue School of Pharmacy and Pharmaceutical Sciences.

#### **Satish Reddy**

BS, Chemical Engineering, Osmania University, India, 1988 MS, Medicinal Chemistry, Purdue University, 1991 Managing Director and Chief Operating Officer, Dr. Reddy's Laboratories



Satish joined Dr. Reddy's Laboratories, a fully integrated global pharmaceutical company headquartered in India, in 1993 as Executive Director responsible for manufacturing and new product development and in 1997 was

appointed Managing Director. In the mid-90s, as Dr. Reddy's prepared for its global foray, he anchored the establishment of key systems and initiatives that positioned the company for rapid expansion and helped to build its brand and corporate identity. Today, serving as Managing Director and Chief Operating Officer, he steers the Pharmaceutical Services and Active Ingredients (PSAI) and Global Generics businesses.

Satish is the company's representative to the Indian Pharmaceutical Association, the country's premier professional body of pharmacists, and has served on the Drugs Technical Association Board, the highest policy making body under the Drugs and Cosmetics Act in India. He has been a long-time member of the National Council of the Confederation of Indian Industry (CII), a consortium of 20 leaders of India's top corporate houses. After serving as Chairman of the Andhra Pradesh Chapter of CII in 2003-2004, he has been continuously elected to the exclusive National Council. He was named Young Global Leader 2007 by the World Economic Forum. He is a firm advocate of responsible corporate citizenship and his efforts in the area of Corporate Social Responsibility earned him the "IBLA - India Corporate Citizen of the Year" award for 2005 from CNBC.

#### **Dolores C. Shockley**

BS, Pharmacy, Xavier University MS, Pharmacology, Purdue University, 1953 PhD, Pharmacology, Purdue University, 1955 **Professor Emerita, Meharry Medical** College



Upon graduating from Purdue as the first African American woman to receive a PhD in Pharmacology in the

United States, Dolores decided to pursue postdoctoral study in Europe. She applied for a Fulbright fellowship to study with Professor Knud Moller at the Pharmacology Institute in Copenhagen, Denmark. During her tenure, the Danish Fulbright office arranged for her to visit pharmacology departments in Sweden, Norway, and Finland, Dolores later joined the faculty at Meharry Medical College in Nashville, Tennessee. Most of her professional career has been at Meharry where she advanced through the ranks to Professor and Chairperson of the Department of Pharmacology, thus becoming the first and only African American woman to chair a pharmacology department at an accredited medical school in the United States.

Dolores has served on numerous national committees including the NIH, NSF, NRC, and FDA. She has held offices in the American Society of Pharmacology and Experimental Therapeutics (ASPET). The Society established a travel award in her honor for student(s) to attend the national meeting—Experimental Biology. The Dolores C. Shockley Lectureship and Mentoring Award was inaugurated at the School of Medicine at Vanderbilt University in 2009. She has mentored and served as preceptor for doctoral students, undergraduate college students and high school students. She enjoys teaching and has received numerous teaching awards.

#### William L. Sonner

BS, College of Pharmacy, **Butler University, 1982** Market Pharmacy Director, Indianapolis and St. Louis Markets, Walgreen Company



An alumnus of Butler University, Bill began working as a relief pharmacist for the Ribordy Drug chain after gradu-

ation, later becoming an Assistant Store Manager and Pharmacy Manager. In 1985, the Walgreen Company acquired the Ribordy Chain and he worked in various locations for 16 years as a Pharmacy Manager. In 2001 he was promoted to District Pharmacy Supervisor in the Indiana District. In 2006 he became a Divisional Director of Pharmacy Operations in the Southern Division. Walgreens underwent corporate restructuring and decentralization initiatives in 2009 when Bill assumed his current role of Market Pharmacy Director for the Indianapolis and St. Louis Markets.

Bill's relationship with Purdue began in 2001 when he was appointed Walgreen's key recruiting contact in West Lafayette as part of his Pharmacy Supervisor responsibilities. His early on-campus connections with the faculty and staff led to the identification of specific needs for both Purdue and Walgreens, and, in turn, led to productive opportunities and action including: exclusive corporate sponsorship of the Pharmacy First Nighter, annual participation and support of Pharmacy Spring Fling, capital donation to the Pharmacy Practice Lab renovation, a mentoring and early employment program for first year pre-pharmacy student members of the Multicultural Program, numerous retail administrative rotations in multiple markets, local and national employment and intern placements, participation in the Deans Executive Forum, and membership on the Dean's Professional Advisory Council.

#### **Gregory D. Wasson**

BS, Pharmacy, Purdue University, 1981 President and Chief Executive Officer, **Walgreen Company** 



Greg joined Walgreens as a pharmacy intern in 1980 while still a student at Purdue. After graduation, he

managed several Houston drugstores before being promoted to 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 (PBM). Greg was promoted to President of Walgreens Health Initiatives in 2002, and was named a Walgreens senior vice president in 2004 and an executive vice president in 2005. He was named President and Chief Operating Officer of Walgreens in 2007 and became CEO in February 2009. Walgreens is the nation's largest drugstore chain with fiscal 2008 sales of \$59 billion and operates 6,857 drugstores in 50 states, the District of Columbia and Puerto Rico.

Greg serves on the board of directors for the National Association of Chain Drug Stores and the Retail Industry Leaders Association. He is a member of The Economic Club of Chicago, The Business Council, the civic committee of the Commercial Club of Chicago, CEOs Against Cancer, and board member of Midtown Educational Foundation. He also co-chairs 2009 Chicago fundraisers for the American Heart Association, the American Cancer Society, and Junior Achievement.

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To read the complete biographies of these award recipients, please visit www.pharmacy. purdue.edu/advancement/honors/.



#### Distinguished Alumni Lecture

In conjunction with the Distinguished Pharmacy Alumni Awards Program, the School of Pharmacy and Pharmaceutical Sciences presented its first Distinguished Alumni Lecture held in Fowler Hall of Stewart Center on October 30, 2009. Ronald Dollens (BS 1970, HDR 2001) gave a lecture entitled "Health Policy's Impact on Innovation: Why a Pharmacy Education is Relevant." Dr. Dollens is the retired President and CEO of Guidant Corporation. He received the Distinguished Pharmacy Alumnus Award in 1993.

#### Distinguished Alumni Reunion Weekend

To celebrate 25 years of the Distinguished Pharmacy Alumnus Program, the School of Pharmacy and Pharmaceutical Sciences held a Distinguished Alumni Reunion during November 12-14, 2009. Thirty-seven recipients returned to campus for this special event.

Guests arriving for the reunion weekend on Thursday were greeting with a reception at the Buchanan Suite in Ross-Ade Stadium. The following morning, they had the opportunity to tour the campus and enjoy lunch at the Ford Dining Court. The Garnet E. Peck Symposium was held in conjunction with the reunion festivities, and alumni had the opportunity to attend following lunch. Later that evening, a special reception and dinner was held at the University Plaza Hotel. Katie MacFarlane Phillips (BS 1988, PharmD 1989) served as the emcee for the evening and the Purduettes musical group provided the entertainment. Dean Craig Svensson presented Gregory Wasson (BS 1981) with the Distinguished Pharmacy Alumnus Award following dinner. On Saturday morning, guests enjoyed a tailgate brunch at the University Plaza Hotel prior to attending the Purdue vs. Michigan State football game.



Inaugural award recipient James Doluisio (PhD 1962, HDR 1995) and most recent recipient Gregory Wasson (BS 1981) represent the 25 year span of the Distinguished Pharmacy Alumni Awards Program

Dinner guests enjoyed being serenaded by the Purdue Musical Organizations Group, the Purduettes



#### Distinguished Pharmacy Alumnus Award Recipients

#### 1984

Stig Agurell William Bousquet Joseph Buckley James Doluisio Thomas Gerding John Griffin Kenneth Heimlich Herbert Lieberman Warren McConnell Lloyd Parks Paul Sinotte Merritt Skinner

#### 1985

James Boylan Einar Brochmann-Hanssen Charles Flemming Gloria Francke Bruce Hufford William Kinnard, Jr. Alfred Martin

#### 1986

John Emmerson Frank Goodhart David Knapp Dennis McCallian Jack Orr Roger Smith

#### 1987

William Campbell John Colaizzi Marvin Davis Richard Faust Barbara Nelson Richard Vetter

#### 1988

Steven Abel James Appino Angelo Carnaghi James Cloyd Laurence Hurley

#### 1989

Gilbert Banker Jane Boggs Richard Charles Antoine Noujaim Frederick Radzialowski Timothy Vanderveen Charles Walton

#### 1990

Carman Bliss Richard Brychell Thomas Cunningham George Fuller Rae Willis, Jr.

#### 1991

Esam Dajani William Hatfield Claudia McNulty Charles Paget, Jr. Jeffrey Rudolph Karen Shields Bernard Williams

1992 Herbert Halley Robert Holden Richard Markham William Merino Ronald Nedich Robin Taylor

#### 1993

Frank Deardorff Ronald Dollens Johnnie Early II Donald Moore Ronald Schoenwald Bruce Siecker Marilyn Speedie

#### 1994

Percent

Kenneth Johnson Winifred Landis Steven Leslie Aracelis Ortega Grey Warner

#### 1995

Carol Birk Allen Chao William Hadley Charles Sanders, Jr. Victor Yanchick

#### 1996

Kyle Allen Mark Fitch Albert Peyton Charles Pippenger

#### 1997

Robert Brown Judith Christensen Karin Chen Lui Robert Taylor

#### 1998

David Hsia Jack Klee Rachel Mata Craig Schnell Arthur Solomon

#### 1999

Bruce Canaday Albert Jarvis Glenn Knotts Robert Lipper Kathryn MacFarlane Ceferino Sanchez Robert Wolfangel

#### 2000

Joe Haberle Dianne Kennedy Lamar Kerley Albert Wertheimer

#### 2001

Robert Franz Susan Meyer Joseph Mo John Nine Gerald Wannarka Roger Williams Jeffrey Winn

#### 2002

Max Adams Jean Battaglia Curtis Black James Mannion Wayne McKeehan Randall Vanderveen

#### 2003

Roger Gordon Robert Sauté Arda (Darnell) Sauté Robert Sikora James White

#### 2004

Mary Baker Gary Dolch James Kehrer Terry Schwinghammer

#### 2005

Maria Bowman-Horner James Eskew Sumon Sakolchai Donna Wall

#### 2006

Stanley Beck John Derr Gerald Migliaccio Thomas Zioncheck

#### 2007

Henry Bryant Chris Dimos Alton Johnson Habil Khorakiwala Michael McMains

#### 2008

Hamid Abbaspour William Randolph III Marvin Richardson Ming-Daw Tsai

#### 2009

Holly Bonsignore Satish Reddy **Dolores Shockley** Gregory Wasson

#### Pharm.D. Graduates

Students Surveyed	147	100.00%
Responses	147	100.00%
Committed Response	146	99.32%
Employed	103	70.34%
Continuing Education**	43	29.66%
Undecided	1	0.68%
PharmD	Average	Range
Employment Offers	2.52	1 - 12
Commitment	Indiana	Other
Location	80	66

#### **BSPS Graduates**

	rvarrioc	1 Crocin
Students Surveyed	10	100.00%
Responses	10	100.00%
Committed Responses	8	80.00%
Employed (Other)	1	12.50%
Continuing Education	7	87.50%
Undecided (1) / Seeking (1)	2	20.00%
BSPS A Employment Offers	Average 1.5	Range 1 - 2
Commitment Location	Indiana 4	Other 4

### **Employment Surveys**

Commitment Type				
	Number	Percent	Avg. Salary	Salary Range
Residency**	39	26.90%	\$39,077	\$32,000 - \$52,000
Fellowship**	2	1.38%	\$40,500	\$40,000 - \$41,000
Chain Community	84	57.53%	\$113,363	\$100,000 - \$135,000
Independent Community	2	1.37%	\$108,080	\$108,000 - \$108,160
Hospital	13	8.90%	\$99,325	\$89,000 - \$106,000
Long Term Care	1	0.68%		*
Nuclear	1	0.68%		*
Pharmacy Specialty	2	1.37%	\$102,500	\$95,000 - \$110,000

#### Employment Salary Average \$111,296

\*only one salary reported

#### **Commitment Type**

	Number	Percent	Avg. Salary	Salary Range
Industry	0			
Other	1	12.50%	no salarie	s reported

<sup>\*\*</sup> graduate or professional school/fellowship/residency

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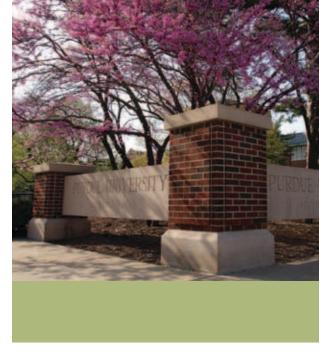
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#### R. B. Stewart Society

The R. B. Stewart Society recognizes benefactors who make commitments to the future of Purdue University by way of deferred giving. The following are Pharmacy alumni and friends who have remembered the School of Pharmacy and Pharmaceutical Sciences in their estate plans.



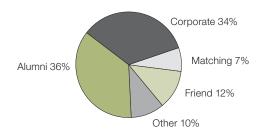
Max David Adams Mergie Adams Ann Angle Dorothy Jane Arnett\* Samuel Wilson Arnett William Edward Bindlev Charles Edward Boonstra Edith B. Brayer\*

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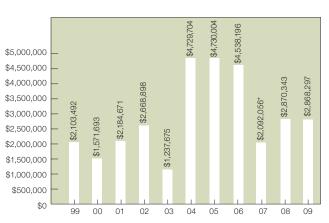
\* Deceased

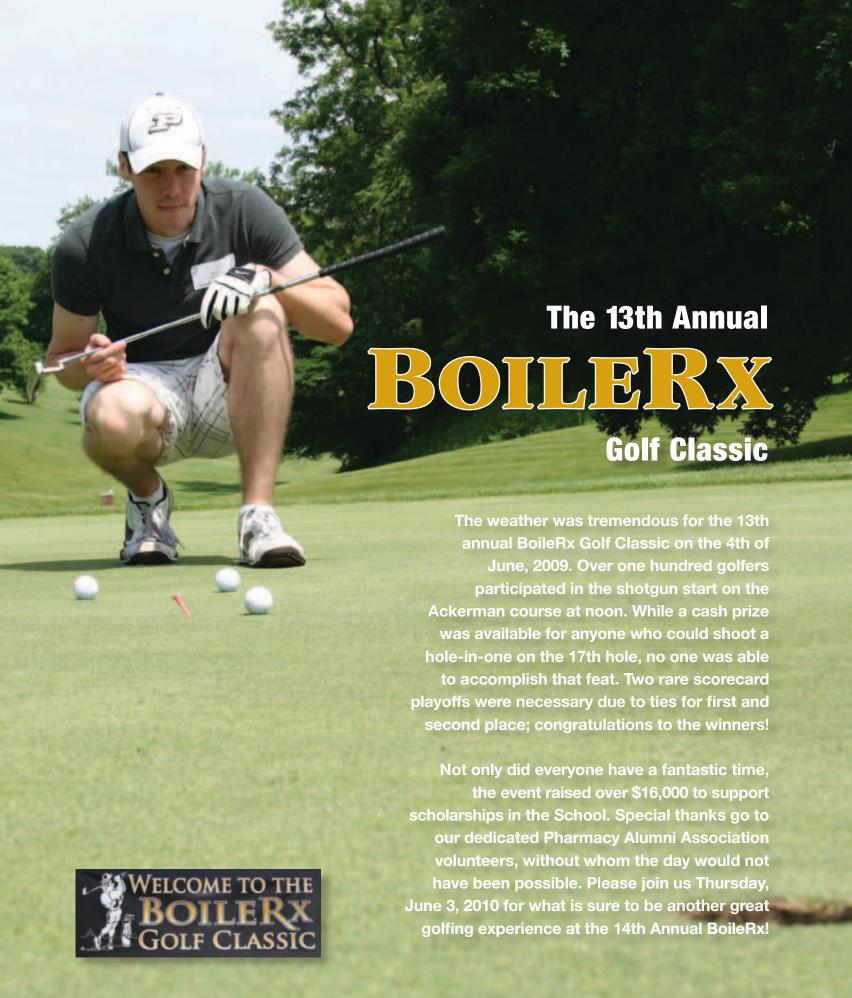
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#### Gifts to the School of Pharmacy During the Last Decade

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First place winners: (L to R) John Shupe, Todd Smith, Matt Till and Andy Smith



And the winners are...

#### First Place Team:

John Shupe Andy Smith (MS 1980) Todd Smith Matt Till (BS 1981)

#### **Second Place Team:**

Scott Hufford (PharmD 2002) Steve Hultgren Bill Malloy (BS 1976) Bob Tiernan (BS 1980)

#### **Third Place Team:**

Mike Ankenbruck (BS 1984) Andy Ault Herb Halley (BS 1974, PharmD 1984) Mike Sievers (BS 1979)

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#### Closest to the Pin: Matt Till (BS 1981)

Longest Putt Men: Travis Stoutenborough

Longest Putt Women: Maureen Cormier

#### **MARK YOUR** CALENDAR!

14th Annual BoileRx Golf Classic Thursday, June 3, 2010



(L to R) Valerie Beyrouty, Susan Woodson, Peggy Benton and Kate Burke (BS 1974)

#### 7TH ANNUAL GARNET E. PECK

# Symposium





As part of its 125th Anniversary Celebration, the Purdue School of Pharmacy and Pharmaceutical Sciences was proud to sponsor a special symposium in the area of health care. The 7th Annual Garnet E. Peck Symposium entitled "Emerging Trends in Health Care" brought together important health care leaders to discuss future trends in health care as they relate to pharmacy and the pharmaceutical sciences. On November 13, 2009, in the Fowler Auditorium in Stewart Center on the Purdue University campus, a panel of experts covered a variety of topics that highlighted emerging trends in healthcare in the 21st century. The symposium was supported by a contribution from Lilly USA, LLC.

Guests were welcomed by Dean Craig Svensson and Purdue University Provost Randy Woodson. The moderator of the event was Ronald Dollens (BS 1970, HDR 2001), former President and CEO of Guidant Corporation. Speakers included Timothy Dickman (BS 1979), former President and CEO, Prime Therapeutics, Inc.; Habil Khorakiwala (MS 1966), Chairman, Wockhardt, Ltd.; John Lechleiter, Chairman, President and CEO, Eli Lilly and Company; Richard Markham (BS 1973, HDR 1998), Partner, Care Capital; and Gregory Wasson (BS 1981), President and CEO, Walgreens.





#### **Rudolph Honors Peck**

In the Summer 2009 issue of The Purdue Pharmacist, we shared the story of Jeffrey S. Rudolph (MS 1969, PhD 1971). Jeff returned to campus this past May to be hooded by his graduate advisor, Professor Emeritus Garnet Peck, since he was unable to attend his own graduation ceremony years ago. In May, he



Jeff Rudolph and Garnet Peck, May 2009 Commencement

commented, "[Dr. Peck] played such an important role in the education of many industrial pharmacy students, and having him participate in the ceremony was a small recognition for the tremendous contribution he has made over many decades." Moved by his return to campus, Jeff, along with his wife Gail, decided to honor Dr. Peck for his significant contributions to the field of industrial pharmacy by making an annual gift commitment to the School of Pharmacy and Pharmaceutical Sciences.

The Garnet Peck Scholarship will be awarded to an IPPH graduate student enrolled in the PharmD/PhD program. If there is no student who meets this criterion, the gift will be used to fund a partial Summer Research Scholarship. The Garnet Peck Summer Research **Scholarship** will fund a summer research experience for an undergraduate or PharmD student under the guidance of an IPPH faculty member. This experience is intended to expose the student to the types of research conducted in industry. As such, it will be an important tool in possibly recruiting qualified students to the IPPH graduate program. Students from other universities and other schools/colleges within Purdue (e.g. Chemical Engineering, etc.), as well as Pharmacy students, will be considered for the award.

"Gail and I are pleased to represent all Purdue pharmaceutical scientists who have been educated by Dr. Peck and whose education has helped to provide a sound foundation for their industrial career," says Jeff. The School extends its appreciation to the Rudolphs for their generous gesture. Their gifts will honor the career and achievements of Dr. Peck as well as assist in the career development of future pharmaceutical scientists.

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Award recipient Ryan McCann (left) and Dr. Rodolfo Pinal, Associate Professor of IPPH and Director of the Dane O. Kildsig Center for Pharmaceutical Processing

#### **Lieberman Award Presented to** McCann

The Lieberman Award was established in August 2009 by Mr. Bruce A. Lieberman in honor of the life and work of his father. Dr. Herbert A. Lieberman, who received his PhD from the School of Pharmacy and Pharmaceutical Sciences in 1955. The purpose of the fund will be to honor Dr. Lieberman and to assist in the support of a graduate student in the Department of Industrial and Physical Pharmacy (IPPH) by providing an annual award to one of that department's top graduate students. The funds are intended to be used to support the Lieberman Award winner in his/her educational endeavors.

The IPPH faculty agreed unanimously that the first Lieberman Award should go to Ryan J. McCann, an outstanding PhD student in IPPH. Ryan has used The Theory and Practice of Industrial Pharmacy by Lachman, Lieberman and Kanig many times while serving as a TA in IPPH 562 Introduction to Pharmaceutical Manufacturing.



# Meet the President

#### **Pamela Ringor**

BS 1992, Molecular Genetics, The Ohio State University MBA 1994, Purdue University BS 1997, Pharmacy, Purdue University

Pam Ringor currently serves as President of the Purdue Pharmacy Alumni Association (PhAA). She has been a member of the PhAA for 13 years, having held positions as past president, vice president, and committee chairperson. Pam is the Pharmacy Manager at Payless (Kroger) Pharmacy in Lafayette, Indiana. She and her husband, Mike, have two children, Ambrose (second grade) and Amelia (kindergarten), who are the joy in their lives.

#### Why do you serve on PhAA?

I love giving back to Purdue and working with pharmacists from around the state. There are so many amazing pharmacists on the Board. They all make it so much fun to participate. Plus, Dana Neary [Manager of Alumni Relations and Special Events] does an outstanding job coordinating us! Her enthusiasm and hard work inspire all of us.

#### Why do you think it's important to become involved in volunteering for the School?

Both my husband and I feel very fortunate to have been able to receive our degrees from Purdue. With those degrees and Purdue's strong reputation, we have been able to obtain jobs that we absolutely love! We are both very thankful for that.

#### What does PhAA plan to accomplish during the next year?

We would like to continue our traditions such as the golf outing for scholarships, homecoming, student/alumni chili supper, "Conversations with Alumni" series, Pharmacy First Nighter booth, and congratulation letters for the new graduates, as well as create a few new traditions. We would like for more people to get involved and benefit from PhAA. We have just started using Facebook and we hope that it will be a great resource for us to communicate with alumni.

#### PhAA 2009-2010 Members

Pam Ringor (BS 1997), President Tricia Lohr (PharmD 2005), Vice President Brad Given (PharmD 2007), Secretary Mark Bunton (BS 1995) Kimberli Burgner (BS 1979, MS 1981,

PharmD 2003)

Kate Burke (BS 1974)

JeanAnne Chaney (BS 1961)

Vyto Damasius (BS 1969)

Randall Gerhart (BS 1980)

Robert Gibson (BS 1969)

Brian Holstine (BS 1987)

Rola Kaakeh (PharmD 2007)

Jason Lambert (PharmD 2007)

Bill Malloy (BS 1976)

Janet Redmond (BS 1994)

Gene Rhea (PharmD 2006)

Ron Rosich (BS 1981)

Patrick Schleck (PharmD 2009)

Wenda Sharp Zick (BS 1995)

#### STUDENT REPRESENTATIVES:

Kimbery Beckman

Farrah Mathas

Jennifer Maguire

Rachel Snodgrass

Jonathan Weir

#### **2010 Pharmacy Events Calendar**









Founded in 1884, the School of Pharmacy and Pharmaceutical Sciences at Purdue University celebrates 125 years of excellence this year. We hope you'll plan to join us for these many exciting events. Together, we can make this an anniversary to remember!

DATE	EVENT
March 29	Alumni Reception in Indianapolis, IN
April 17	Pharmacy Spring Fling
April 26	Alumni Reception in Fort Wayne, IN
April 30	Pharmacy Graduation Banquet
April 30	Class Gift Luncheon
May 14	Commencement Reception
June 3	14th Annual BoileRx Golf Classic

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

Check out the official School of Pharmacy & Pharmaceutical Sciences' 125th Anniversary website at WWW.pharmacy.purdue.edu/125

### We're On **Facebook**

The School of Pharmacy and Pharmaceutical Sciences is now on Facebook.® Join the Purdue

**Pharmacy Alumni Group by** 

logging onto www.facebook.com (membership is free). Keep up to date on Pharmacy Alumni Events, view photos, and reconnect with friends. Hail Purdue!





Drs. Imran Manji (left) and Sonak Pastakia (middle) discuss anticoagulation care with one of the many patients receiving anticoagulation care in Eldoret, Kenya

Since August 2008, the Purdue Pharmacy Kenya Program has been providing anticoagulation monitoring services. The need for this service was demonstrated by a survey carried out from January to April 2008 which established that 43% of outpatient cardiology clinic patients and 4% of inpatients at Moi Teaching and Referral Hospital in Eldoret, Kenya, were candidates for oral anticoagulation therapy. This large proportion of patients requiring anticoagulation has been attributed to the high incidence of rheumatic heart disease and its complications.

Previously in this resource-constrained setting, anticoagulation monitoring was inadequate for the proper determination of therapeutic efficacy and/or to evaluate patient risks of bleeding. Many patients were started on empiric warfarin doses, or were treated with suboptimal agents, such as aspirin. The establishment of clinical anticoagulation services has provided significant infrastructure to antithrombotic therapy in western Kenya, preventing suboptimal therapy and reducing the likeliness of untoward bleeding events.

The clinic is staffed by Purdue faculty, two clinical pharmacists, a physician, a pharmacy technologist, and community volunteers. Patients are referred to the clinic from the outpatient cardiology clinic and from the adult medical and obstetrics/gynaecology wards by physicians and gynaecologists.

Because the Kenyan diet generally has a high content of vitamin K, an arbitrary vitamin K score assessment tool has been developed that is able to trend the vitamin K intake for patients at each clinic visit. The trend of vitamin K intake also assists in adjusting the doses of warfarin while patients are counselled on the need for a consistent intake of vitamin K.

Patients are provided with ready filled pillboxes containing warfarin at the appropriate dose, thereby simplifying the dosing as well as promoting adherence.

The anticoagulation clinic is following 54 patients and is enrolling patients on a daily basis. Of these, 18 patients have rheumatic heart disease complications, 9 have prosthetic heart valves and 27 have deep venous thrombosis.

The staff intends to expand this clinic to enroll as many patients as possible within the hospital catchment area of western Kenya as it is the only clinic of this kind in the region. However, the high cost of point-of-care INR testing and access to anticoagulant medications are limiting factors in this endeavour. One of the potential solutions for making this clinic financially sustainable as well as attempting to expand the clinic's services is to get patients to pay for services. Although this is not simple in a resource-poor setting, this avenue is being investigated. In addition, we continue to seek support from private donors and donor agencies. If you are interested in finding out more about the Purdue Pharmacy Kenya Program and the anticoagulation services, please contact Drs. Sonak Pastakia (spastaki@purdue.edu) or Ellen Schellhase (elschell@iupui.edu). If you would like to contribute to the program, please visit http://ampath.pharmacy.purdue. edu and click on "Contribute to the Purdue Kenya Program" link in the left hand column.

#### **Thanks to Our Supporters**

The School of Pharmacy and Pharmaceutical Sciences extends its sincere gratitude to the following companies and the individuals responsible for securing the donations of much needed supplies for our ongoing efforts in Eldoret, Kenya. Bristol Myers Squibb, through the direction of Roger Williams (BS 1979), provided the CoumadinR product. Ron Snow with CVS Caremark and Cathy Simmons (BS 1998) with Walgreens provided a total of 2,000 pillboxes to be used for the orphans and vulnerable children program and the anticoagulation clinic. The Saint Joseph Family Medicine Center (South Bend, IN) provided Coaguchek XS point of care INR testing devices to initiate this potentially lifesaving service for our many patients in Kenya; special thanks goes to Ed Sheridan for his efforts in assisting this program.

#### A Student's Kenyan Experience

For Ashley Moss Thais (PharmD 2009), her final year as a PharmD candidate at Purdue was an experience she'll never forget. After spending two months at the AMPATH HIV/AIDS Hospital in Eldoret, Kenya, she comments,

Witnessing firsthand the differences between Kenyan and American healthcare, Ashley realized that her focus as a pharmacist would be on patient care. "In the U.S., the red tape prevents us from helping patients sometimes, especially just as a pharmacy student. In Kenya, though, the No. 1 goal was patient care and anyone who could help in anyway was appreciated," she says.

Ashley was not only able to expand her horizons and delve deeper into her chosen profession, she had the opportunity to explore her newfound surroundings during her free time. Going on a safari and rafting down the Nile River allowed her to fully experience the Kenyan culture.

Although she is back in the states and graduated this past May, Ashley hopes one day to return to Kenya and continue to use her talents. "I will do whatever I can to help more Kenyans because I learned more from them than I gave. I never realized how much it would impact me."

Upon graduation, Ashley accepted the position as a post-graduate Year 1 Pharmacy Resident at Roudebush VA Medical Center in Indianapolis and is preparing herself for a career in the ambulatory clinical setting.



Ashley Moss Thais (second from left) poses with fellow pharmacy student and Kenyan friends in front of the Nile River in Jinja, Uganda

Ashley Moss Thais was also featured in an article written by Michelle Hansen at The News-Gazette.com entitled Monticello Native Helps HIV/AIDS Patients in Kenya on July 17, 2009.





For several years, there has been discussion regarding expanding the Orientation Program for students entering their first professional year (P-1) in the Doctor of Pharmacy Program. When an expanded orientation was strongly endorsed by the Curriculum Task Force during its deliberations in 2008, Dean Craig Svensson and the pharmacy faculty approved the implementation of the program for the fall

Fortunately, a group of student leaders from the Class of 2007 had formulated such a program which served as a template for the expanded program. Dr. Steven Scott recruited a trio of P-4 students (Neena Phadke, Ryan Teagno, Ed Battjes) who, along with the assistance of Dana Neary, Manager of Alumni Relations and Special Events, worked diligently to design 2.5 days of programming which addressed the four key goals of the program: 1) orient students not familiar with the West Lafayette campus to Purdue University, 2) enable students to get to know their fellow classmates on a more personal level, 3) to encourage students to get out of their comfort zone, and 4) to infuse students with a dose of professionalism and the responsibilities associated with being a part of the Purdue Pharmacy Family.



Students new to the campus reported on August 21, 2009, and were introduced to the campus, student services, and the greater community by campus/school staff along with the assistance of an enthusiastic group of upperclassmen. In place of regular classes on August 24-25, all new P-1 students participated in two full days of orientation. The focus on Day One was getting to know classmates and breaking out of one's comfort zone. Highlights of the day included a professionalism fashion show, team building activities on the University's low-ropes course, an introduction to cultural competency, decision making exercises involving ethical and professional issues, and a keynote address by

alumna and former APhA President Winnie Landis (BS 1989), who spoke on "Getting Out of Your Comfort Zone." The day concluded with a cookout on the Memorial Mall with faculty and staff. The focus on Day Two was professional development. The day's activities included an overview of experiential learning, a professional dinner etiquette seminar, a networking luncheon with alumni, a curriculum overview, a presentation by Dr. Tom Wilson on expectations for professional behavior, a faculty slide show, and roundtable discussions with faculty and upperclassmen. The program concluded with a discussion about professionalism by Dr. Steven Abel, Assistant Dean. The luncheon was sponsored

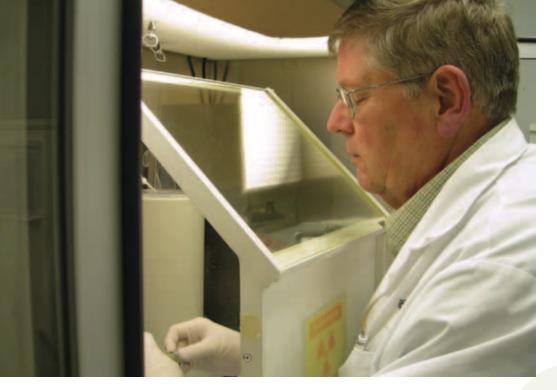
by a cadre of young alumni, many from the Class of 2007 who initially drafted the plan for the orientation. During the luncheon, Sue Bousquet (BS 1958), Bill Malloy (BS 1976), Dan Degnan (BS 1991, PharmD 1992), and Nicole Pitello (PharmD 2007) shared their memories of Purdue and pride as a School of Pharmacy graduate.

The expanded program was well received by the Class of 2013 and plans are underway to fine tune the program for future classes. The orientation planning committee envisions future programs involving alumni to a greater extent, both as participants and as sponsors for the various activities.

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(L to R): Pat George, Director for Professional Program Admissions and Recruitment; Nicole Pitello (PharmD 2007); Jane Krause, Clinical Associate Professor; Patti Darbishire, Clinical Assistant Professor; Steve Scott, Associate Head; Dept of Pharmacy Practice; Mark Triboletti (PharmD 2008); Cindi Koh-Knox, Clinical Associate Professor; Patti Elsner (PharmD 2001); Bill Malloy (BS 1976); Mark Bunton (BS 1995); Sarah Sanders (BS 1978, PharmD 1980); Susan White, Director, Purdue University Pharmacy; Sue Bousquet (BS 1958); Joe Dubes, Senior Director for Student Services; Steve Abel, Assistant Dean for Clinical Programs; Dan Degnan (BS 1991, PharmD 1992)



Rick working in his nuclear pharmacy, Shertech Pharmacies

# Nuclear Pharmacy Alum Richard Sheriff: The Road to Success Started Here



Rick Sheriff (BS 1974) and his wife Karen are the proud owners of five commercial centralized nuclear pharmacies

and a facility with a PET cyclotron. Their Shertech pharmacies are located in both North and South Carolina and employ over 60 employees, distributing radiopharmaceutical doses to over 30 counties in the western Carolinas and eastern Georgia. Their business continues to expand, and they are in the process of opening a brand new commercial centralized nuclear pharmacy in 2010 which will not only compound traditional radiopharmaceuticals, but also will be a distributor of their PET products. They look forward to hiring more Purdue nuclear pharmacists.

Rick's road to success started here at Purdue—in 1971 when he entered the School of Pharmacy and enrolled in a new elective class in nuclear pharmacy. Dr. Stanley Shaw and other faculty in the Department of Bionucleonics (now School of Health Sciences) were initiating a series of courses for undergraduate pharmacy students. Rick took courses available in nuclear pharmacy and other courses already existing in the Department of Bionucleonics. When he graduated in 1974, he had gained considerable knowledge in nuclear pharmacy and a strong interest in entering the new pharmacy field.

His first position was at The Ohio State University Hospitals. Rick says it was the perfect place to learn and grow as a nuclear pharmacist. He was teaching, compounding products, and even participating in clinical animal studies with a new—at that time—radiopharmaceutical for imaging the heart (TI-201 Thallous Chloride).

Despite the interesting practice setting. Rick was attracted to the commercial side of nuclear pharmacy and started his career as a staff pharmacist for Nuclear Pharmacy, Inc., (a nuclear pharmacy chain) in 1977 in Houston, Texas. Soon Rick was promoted to manager in Birmingham. However, in 1980 he changed directions and started an independent nuclear pharmacy in Columbus, Georgia. Three years later Mallinckrodt, Inc. lured him away to open their very first commercial centralized nuclear pharmacy in Houston, Texas. Within a year, Mallinckrodt, Inc. requested Rick to open and manage their first regional distribution center in conjunction with nuclear pharmacy. In 1987. Syncor International asked him to manage their Fort Worth nuclear pharmacy that included a parenteral pharmacv. At Fort Worth. Rick was honored as one of the top managers for Syncor and soon after was recognized as the Syncor Manager of the Year when he was in Dallas, Texas.

Finally, in December, 1991, Rick and Karen opened their own nuclear pharmacy in Greenville, South Carolina, that has now expanded to four Shertech Pharmacies. As an owner of an independent nuclear pharmacy, Rick is a member of an independent pharmacy network known as United Pharmacy Partners, Inc. He is an original member currently serving on the board of directors and as treasurer of the organization.

In addition to being the first Purdue undergraduate pharmacy student to enter nuclear pharmacy practice through the nuclear pharmacy program, Rick is the Purdue graduate with the longest continual involvement as a practitioner in nuclear pharmacy. He is the first of several B.S. in pharmacy students from Purdue that have enjoyed long successful careers in nuclear pharmacy. Congratulations to all that have taken advantage of nuclear pharmacy opportunities provided by the Purdue School of Pharmacy and Pharmaceutical Sciences.

# SIXTY SECONDS

With a Graduate Student

#### **Marcy Lynn Guerra**

BA, Biochemistry, 2005, Washington and Jefferson College

Doctoral Student, Department of Medicinal Chemistry and Molecular Pharmacology

**Anticipated Graduation Date:** 

December 2010

Hometown: Pittsburgh, PA

Major Professor: Dr. Gregory Hockerman

**Thesis Title:** Studying the cross-talk between GLP-1R activation and L-type calcium channel-mediated insulin secretion and ERK1/2 activation

**Research Interests:** To contribute to the development of drugs that can modulate voltage-gated calcium channels in order to treat Type II Diabetes

**Awards and Honors:** Purdue Research Foundation Grant Recipient, 2009

**Post-graduation plans:** To pursue a career as a research scientist in the pharmaceutical industry



"Being a graduate student in MCMP is definitely challenging. Every hurdle you overcome transforms you into a more independent thinker, a better scientist, and a stronger person."

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For information on how a planned gift can support Purdue's School of Pharmacy & Pharmaceutical Sciences, contact Chris Smith at jcsmith@purdue.edu or (765) 494-0501.

# **Faculty & Staff News**



Joseph Borowitz, Professor of Pharmacology, was recognized for forty years of service to the School. He received a gift from Dean Craig Svensson and applause from colleagues during the September 2009 faculty meeting.



Tiffany Mousel, an academic adviser in the School of Pharmacy, has been selected as an Outstanding New Adviser by the National Academic Advising Association. The award is given to individuals who have demonstrated qualities associated with outstanding academic advising of students and who have served as an adviser for a period of three or fewer years.



Byrn

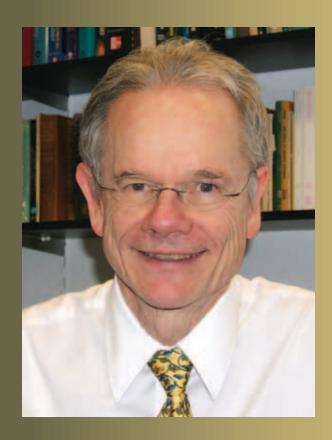


The American Association of Pharmaceutical Scientists' (AAPS) held its Annual Meeting and Exposition in Los Angeles, California. The School of Pharmacy and Pharmaceutical Sciences is pleased to announce that two of our own were presented with awards on November 8, 2009.

**Stephen Byrn**, Charles B. Jordan Professor of Medicinal Chemistry in the Department of Industrial and Physical Pharmacy, was presented the David J. W. Grant Research Award in Physical Pharmacy. This award is intended to recognize outstanding scientists who have conducted fundamental or practical research that has had significant impact in the fields of Physical Pharmacy.

Yoon Yeo, Assistant Professor of Industrial and Physical Pharmacy, was presented the New Investigator Grant Award in Pharmaceutics and Pharmaceutical Technologies for her research on the development of novel dosage forms and biocompatible materials for delivery of macromolecular therapeutics.

## FACULTY SPOTLIGHT



# **Mark S. Cushman**

PROFESSOR OF MEDICINAL CHEMISTRY Department of Medicinal Chemistry and Molecular Pharmacology

As an undergraduate student, Mark Cushman was a University of California Regents Scholar in the School of Pharmacy at the University of California, San Francisco Medical Center. "I lived in the Haight-Ashbury district in the 60s when I was at UCSF," he recalls. "We learned pharmacology by taking drugs in the lab and observing their effect on ourselves and each other," although he reassures us that this teaching method will likely never be repeated. After graduating with a Doctor of Pharmacy (1969)—yes, he did graduate—he attended graduate school at the University of California where he received a Ph.D. (1973) in medicinal chemistry. He then served as a National Institutes of Health Postdoctoral Fellow in the Chemistry Department of the Massachusetts Institute of Technology. He was appointed as Assistant Professor of Medicinal Chemistry at Purdue in 1975. His research on the design and synthesis of potential therapeutic agents has been generously funded by numerous research awards from the National Institutes of Health.

On July 10, 2009, Chairman of the Purdue Board of Trustees Timothy McGinley was honored at his retirement with the dedication of the McGinley Plaza located at Discovery Park. McGinley has been a member of the Board since 1989, serving as Chairman since 1993. Presidents Emeriti Steven Beering and Martin Jischke, along with President France Córdova, gave remarks during this special occasion. Another speaker included our own Stanley Hem, Professor of Physical Pharmacy, who was very proud to have been chosen to represent the entire University's faculty at the dedication. Dr. Hem was chairman of the University Senate when President Beering retired and worked very closely with Tim McGinley and the Trustees to select Martin Jischke to be Purdue's next president. "I felt very honored to be able to participate," says Hem. "Tim McGinley and President Jischke played a special part in my career at Purdue."

In collaboration with Harm HogenEsch in the School of Veterinary Medicine, Dr. Hem has been approached by PATH, a nonprofit foundation that is dedicated to bringing vaccines to underdeveloped countries, to formulate the vaccines that they are developing. The PATH agreement was finalized in early fall.

In September, Dr. Hem was presented with the Research and Scholarship and Achievement Award by Associate Dean Val Watts during the faculty meeting.



(L to R) President Emeritus Martin Jischke, Tim McGinley, Stan Hem

Outside the lab, Dr. Cushman believes it's important to remain physically active, especially as we grow older. "I swim 45 minutes a day and ride my bicycle to work." He enjoys vacationtype activities like scuba diving and marine photography. He also spends time nightly playing his trombone, often accompanied by his wife Kathy on the piano.

#### What first drew you to this field?

While in high school, I saw the very funny 1963 Jerry Lewis movie "The Nutty Professor," in which he played the role of a nerdy chemist who discovers a 'magic elixir,' and that first stimulated my imagination about the possible transformative effects of medicinal chemistry. Although the 'magic elixir' in that movie was more for treatment of the 'human condition' than for treatment of disease, I was working then as an orderly in a hospital, and that started me thinking about creating 'magic bullets' for the treatment of disease.

#### What are you currently working on in your lab?

Our overall interest is in the design and synthesis of potential therapeutic agents. Current projects are mainly on the design and synthesis of: 1) topoisomerase I inhibitors as anticancer agents; 2) inhibitors of riboflavin biosynthesis as antibiotics; 3) cancer chemopreventive agents, and 4) antiviral agents.

The first project involving topoisomerase I inhibitors has led to an IND filing on two promising anticancer drugs, and clinical trials are slated to begin at the National Cancer Institute.

#### What is it that interests you most about this research?

The opportunity to create molecules that do not exist in the known universe until we put them there. The design of synthetic pathways to construct these substances in the most economical

fashion is also intellectually challenging. In addition, the prospect of making something new that affects a biological system in a predictable way and with therapeutic usefulness is stimulating and sometimes actually very fulfilling.

#### What do you hope to discover through your research?

Our research has three main goals: 1) to create small molecule mechanism probes that can be used collaboratively to unravel enzyme mechanisms through crystallography and biochemical techniques; 2) to discover new chemical reactions through serendipitous, unexpected observations that occur during the synthetic organic chemistry research that we conduct in the laboratory; 3) we hope to discover new drugs that can be used to treat human disease.

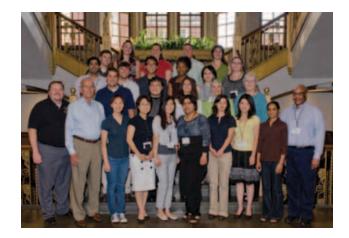
#### 41st Annual PGSRM

"It was an honor for the Department of Industrial and Physical Pharmacy at Purdue University to host the 41st Annual Pharmaceutics Graduate Student Research Meeting (PGSRM) on June 25-27, 2009," comments Li Pan, IPPH graduate student and member of the organizing committee. "PGSRM 2009 brought together over 230 graduate students, postdoctoral fellows and faculty members from 17 universities in addition to numerous industrial representatives to share their research interests and discuss numerous and diverse scientific topics related to the pharmaceutical sciences."

PGSRM is a scientific program intended to foster education in the diverse areas of the pharmaceutical sciences including drug design and discovery, formulation development, drug delivery, biotechnology, biopharmaceutics, pharmacokinetics, pharmacodynamics, and pharmaceutical materials science and analytical methods.

An excellent professional development opportunity for participants, the event featured an interactive career development session, student poster presentations, and several guest speakers from academia and industry. The keynote address was delivered by Alton Johnson (PhD 1987), Vice President of the Marketed Product Support Group in Global Manufacturing Services at Pfizer, Inc., with a special focus on "Opportunities and Challenges of Globalization of the Pharmaceutical Industry."

"We deeply thank all of the sponsors, presenters and attendees for helping to make this conference a source of knowledge and ideas for the present and future generations of pharmaceutical scientists," says Pan.



PGSRM 2009 Organizing Committee



Li Pan presents the Keynote Appreciation Award to Alton Johnson

#### 2009 Grads Win Philanthropy Award

Recent PharmD graduates Valerie Ng and Chelsea Roth, and BSPS graduate Matthew Stier are the 2009 recipients of the Association of Fundraising Professionals (AFP) "Outstanding Young Adult Award." The AFP represents more than 30,000 members in 206 chapters throughout the world, working to advance philanthropy through advocacy, research, education and certification programs. The three served as the 2009 Class Gift Co-chairs for the School.





Stier



Roth

#### **White Coat Ceremony**

The School of Pharmacy and Pharmaceutical Sciences celebrated its annual White Coat Ceremony on September 13, 2009. The ceremony took on special meaning this year with the celebration of the 125th Anniversary of the School. The Class of 2013 was recognized in front of faculty as well as family and friends as the 125th Class to enter the School of Pharmacy and Pharmaceutical Sciences.

The School was pleased to have Kroger Pharmacy sponsor this year's event. Greg Fox on behalf of Kroger Pharmacy offered congratulations and best wishes to the Class of 2013 as did Lary Sage of the Indiana Pharmacist Alliance. Dean Craig Svensson read the proclamation sent to the School from Governor Mitch Daniels naming September 13, 2009, as the 125th Anniversary of the School of Pharmacy and Pharmaceutical Sciences, Lucinda Maine, Executive Vice President and CEO of the American Association of Colleges of Pharmacy, served as keynote speaker. Dr. Maine's remarks challenged the students to understand the significance of their choice to become a pharmacist.

Senior Associate Dean Holly Mason introduced each Class of 2013 member on stage. Faculty assisted students as they donned their white coats for the first time. Dean Svensson congratulated each student as they exited the stage and received their own personalized version of the Oath of the Pharmacist.





Over 970 people filled Loeb Theatre for the ceremony

#### **Pharmacy Women for Purdue**

A reception for the Pharmacy Women for Purdue was held on October 8, 2009, at the home of Valerie Gaylor (BS 1979, PharmD 1985) in Carmel, Indiana. Fourth year professional pharmacy students on rotations met with pharmacy alumnae for a networking opportunity prior to the Career Fair held on campus in November, and alumnae enjoyed the opportunity to mentor these female students. Alumnae attendees included Judy Cvetinovich (BS 1981), Yaman Kaakeh, (PharmD 2005), Jane Krause, (BS 1981, MS 1994), Cathy Simmons (BS 1998), and Karin Beymer (BS 1988).

"The reception was well attended by alumni and students. I found, as a student (way back when), the interaction between the alumni and students was a very useful tool in my career. There were friendships that were made that are still viable today," comments Dr. Gaylor. "I would also like to thank Linda Yelton and Dean Svensson for coordinating the event and allowing me to be a part of it."

The students were very appreciative and wanted to continue the session long past the ending time. The School of Pharmacy and Pharmaceutical Sciences is grateful for the generosity of Dr. Gaylor for hosting this beneficial gathering.



Host Valerie Gaylor (far right) with attendees and Steering Committee members of Pharmacy Women for Purdue

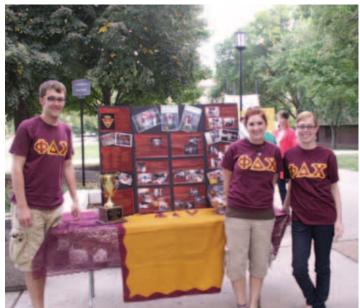


Rho Chi held another outstanding Silent Auction, raising \$2,300. An anonymous donor also made a contribution, bringing the total to \$3,000 for three scholarships of \$1,000 each

#### **Pharmacy First Nighter**

The 2009 Pharmacy First Nighter was a huge success! The students and faculty of the School extend their sincere thanks to CVS Caremark for sponsoring the evening. Over 500 students and faculty met in front of the Pharmacy building for this annual event. Pharmacy student organizations used the evening as an opportunity to showcase their clubs to fellow pharmacy students. The students also celebrated the 125th Anniversary of the School.





Phi Delta Chi is ready to greet students

Attendees at the Pharmacy First Nighter celebrated the School's 125th Anniversary with a tasty cake

#### **Fall Reunion Weekend**

The School of Pharmacy and Pharmaceutical Sciences held its annual Fall Reunion Weekend September 25-26, 2009. This year's reunion celebrated the Classes of 1984, 1994, 1999 and 2004.

The weekend was kicked off with an afternoon of continuing education. Fifteen alumni returned to campus to hear a law update from Dr. Tom Wilson as well as a presentation on drug interactions with dietary supplements and treating addiction "in front of the counter" with Dr. Cindi Koh-Knox.

Alumni had the chance to reconnect with classmates and faculty at a reception on Friday evening at the Dauch Alumni Center and a tailgate on Saturday at the Pharmacy Building. The weekend ended as alumni cheered on the Boilermakers at Ross-Ade Stadium.



Class of 1984 alumni Kathleen Feener Pollitzer. Dorine Sackerson Selle, Diane Buchanan Forler, and Linda McElhiney



Alumni attending the continuing education class

#### **Graduate Student Awards Symposium**

The annual School of Pharmacy Graduate Student Awards Symposium took place on October 29, 2009, at the Purdue Memorial Union. 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. This year's recipients are Mary Kiersma (Pharmacy Practice), Andrew Otte (Industrial and Physical Pharmacy), and Angela Wolf (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 recipients were: Animesh Aditya (Medicinal Chemistry and Molecular Pharmacology), Structure-based Design of Bisubstrate Inhibitors of Protein Geranylgeranyltransferase-I; David Alonzo (Industrial and Physical Pharmacy), Behavior of Amorphous Pharmaceuticals during Dissolution; Jose Juncosa, Jr. (Medicinal Chemistry and Molecular Pharmacology), Molecular modeling of monoamine neurotransmitter receptor agonists by in silicio activation of the  $\beta_2$ -adrenergic receptor; and Ankita Modi (Pharmacy Practice), Relationship between Concomitant use of Anticholinerigic Antihistamines with Cholinesterase Inhibitors and Physical Functioning.



Kienly award winners with Assistant Dean for Graduate Programs Eric Barker, (L to R) Kiersma, Barker, Wolf and Otte



Jenkins-Knevel award winners with Assistant Dean for Graduate Programs Eric Barker, (L to R) Juncosa, Barker, Alonzo, Modi and Adity

#### CLASS NOTES



In late July of 2009, four pharmacy classmates celebrated their 50th birthdays at a Bed and Breakfast in South Haven, MI, along with their husbands. The birthday girls included (L to R): Nancy (Gephart) Chapman (BS 1983), Kathy (Schierholz) Marcotte (BS 1982), Renee Kidwell Popovich (BS 1983), Lisa (Woenker) Wood (BS 1982), and Jane (Leathers) McCurdy (BS 1982)

#### 1970-1979

After working for CVS/pharmacy the past 10 years in the northwest Indiana district, Ann Angle (BS 1974, MS 1989) has accepted a transfer to the Evansville district. She believes she will be resident #841 once she moves to New Harmony, IN, but is looking forward to learning the history of the quaint town. Her daughter is currently a sophomore at Purdue and involved in a sorority, activities, and attending football games.

#### 1980-1989

Henry Bryant (BS 1981, MS 1984, PhD 1986) was recently named a Lilly Distinguished Fellow.

The National Association of Chain Drug Stores (NACDS) Executive Committee recently elected three new directors to fill vacancies on the NACDS Foundation Board of Directors. Our own Chris Dimos (BS 1988) was one of them and will serve the remaining 2009-2010 term until the Foundation Board of Directors elections are held in April 2010 at the NACDS Annual Meeting. Chris is currently President of Pharmacy Operations for SUPERVALU.

Linda (Walters) McElhiney (PharmD 1984) was inducted as a full Fellow in both the International Academy of Compounding Pharmacists (IACP) and the American Society of Health-System Pharmacists (ASHP). She is currently serving a second term on the IACP Board of Directors and is on several committees. She is serving on the committee to revise the sterile compounding guidelines for ASHP and is a reviewer for the AJHP. Linda is a feature writer for the International Journal of Pharmaceutical Compounding and is the compounding pharmacist for Clarian Health Partners in Indianapolis. She is married to David (BSE 1982, IE) and has two sons. Daniel and Steven.

Ashleigh (Anderson) Jonas (PharmD 2004) is a recipient of the President's Paragon Award, the highest award one can attain at CVS/Caremark Corporation. She is a pharmacist with CVS in Columbus, IN.

#### 1990-1999

Jerry and Wendy (Goeckel) Hege (BS 1997) (wehege@comcast.net) are pleased to announce that Cooper Grant was born on July 14, 2009. Big brother Hayden is very proud.

Brooke Patterson (PharmD 2004) was bestowed the Missouri Pharmacy Association "Pharmacist Making a Difference" Award. She is a clinical assistant professor at the University of Missouri-Kansas City School of Pharmacy.



Brooke (center) surrounded by students after being presented her award

John and Sarah (DeBoy) Powell (BS 1994) (sarahjane2562@yahoo.com) are thrilled to announce the arrival of Kenton William on August 11, 2009. He was welcomed home by big sisters Madeline (3 yrs old) and Lindsey (2 yrs old).

Rob (BS 1999) and Heather (Brockmiller) Sell (BS 1997, PharmD 1998) celebrated the birth of their son. Declan Michael was born on July 14,



2009, weighing 7 lbs 11 oz and measuring 19 1/2" long with a full head of hair. Heather works as

a Medical Outcomes Specialist for Pfizer and Rob is a Special Agent for the Federal Bureau of Investigation.

#### 2000-Present

Joe and Lindsey (Agnew) Baugh (PharmD 2005) (labaugh@gmail.com) moved to Brownsburg in July of 2008. Their daughter, Lillian Grace, was born on January 18, 2009, weighing 7 lbs 7 oz.

Amanda (BS 2003, Education) and Michael Hudson II (PharmD 2005) (mbhudson99@yahoo.com) welcomed their second child, Carter Ryan, into the world



on February 24, 2009. He weighed 9 lbs 4 oz and measured 22" long. He was welcomed home

by big brother Brayden (3 yrs. old).

Matthew (PharmD 2000) and Valerie (Morris) (PharmD 2001) Lesniak welcomed their second child, Lucas Graham, on August 20, 2009. He weighed 6 lbs 5 oz and was 20 1/2" long. Big sister Olivia is very excited about her new baby brother.

Warren Moore (PharmD 2002) has



been promoted to the position of Regional Director of Health and Wellness for Region 14, which

includes Illinois and Northern Indiana, with Walmart. He began his career with Walmart as a staff/floater pharmacist in the Indianapolis market, moving through the ranks as pharmacy manager, district manager, and most recently as Market Health and Wellness Manager for Market 455 in West Indiana. He and his wife, Aneasha (Lee) (PharmD 2005), along with their two daughters, will be relocating to the Chicago area.

On October 17, 2009, Ashley Moss (PharmD 2009) wed Aaron Thais



(University of Illinois graduate). The couple married at St. Joseph Catholic Church

in Ivesdale, IL, followed by a reception on the University of Illinois campus. They reside in Brownsburg, IN. (see page 33 for more information about Ashley)

Marintha Meckley-Short (PharmD 2005) was awarded the "New Practitioner of the Year" from the Kentucky Society of Health System Pharmacy. The award recognizes an innovative new practitioner who has made significant contributions to pharmacy practice in their first 1-5 years as a practitioner. She attended the American College of Chest Physicians annual meeting in San Diego, CA, where she presented research with a physician. She also precepts pharmacy students during their 4th year advance practice experiences, and in her free time, she helps 2nd-4th grade students with their



reading skills in the "Read to Succeed Program" in her community.

Marshall (BS 2003, Electrical Engineering) and Cathy (McLaren) VanNahmen (PharmD 2006) are thrilled to announce the birth of their son.



Grant Patrick, on August 29, 2009. He weighed 7 lbs 3 oz and was 20 1/4" long.

Sum "Alison" Wong (PharmD 2000) (fosphenytoin@hotmail.com) writes that she received her Master of Public Health (MPH) from Johns Hopkins University School of Public Health in May 2009. She will make a minor career change to work for a Non-Government Organization—Management Sciences for Health (MSH)—on projects in developing countries, mainly Africa, to improve the health system.

#### IN MEMORIAM

Norbert J. Arth (BS 1937) Catherine Hurley Clark (MS 1947) **John J. Knox** (BS 1950) Lloyd S. Mishlove (BS 1951) Jack P. Money (BS 1941)

#### **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.

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