THE PURDUE PHARMACIST

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FROM THE DEAN



Dear Alumni,

If we disappeared, would anyone miss us? That is a challenging and somewhat haunting question to ask. Yet, it provides a useful reality check to determine whether we are focused on the right priorities and truly making an impact. As I think you will see throughout this issue of *The Purdue Pharmacist*, for members of the Purdue Pharmacy family the answer to this leading question would be a resounding YES!

It would certainly be true of the programs of the College of Pharmacy. Part of our mission is to "maximize global health outcomes through patient care and service." In this issue, you'll read about two ways in which we are impacting the delivery of health care in Indiana and beyond. Supported by our grant from the Lilly Endowment, our Center for Medication Safety Advancement is improving the safe use of medications in a variety of settings. Our newest initiative, Rx-SafeNet, promises to advance the optimal use of medications through our engagement with community pharmacies. Our outstanding faculty and staff are committed to impacting the world around them, and these are just two examples of how that is accomplished.

Our generous donors are a group that would most certainly be missed. As you read the Donor Honor Roll in this issue, I hope you recognize that we would not be a program of excellence without the support of these donors. Each gift plays an important role in our ability to impact the lives of students and patients. Thank you for making a difference!

The other group that would be sorely missed is our pacesetting alumni. You can read about some of the leading alumni who were recognized recently with our Distinguished Alumni Award. Each year as we recognize a distinguished group of alumni, we are reminded that the men and women who graduate from our programs are making this world a better place...and making us proud to be part of the Purdue Pharmacy Family.

Our staff has an important role in accomplishing our mission. Their investment in our students plays a special part in student success. As you read about the Multicultural Program Celebration, you will be reminded of the void that would be left by the absence of our dedicated staff members.

These are just some examples of the impact of individuals that are a part of the Purdue Pharmacy Family. Yes, they would be missed. That is why we're so thankful they are part of the family!

All Hail Purdue!

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CRAIG K. SVENSSON, Dean

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PHARMACIST

ANCP

Update on the Lilly Endowment, Inc. Grant "A Plan for Preeminence for Purdue Pharmacy"

medication safety

The Lilly Endowment grant to the College of Pharmacy, which was first announced in the Spring 2007 issue of *The Purdue Pharmacist*, has impacted the learning, discovery, and engagement activities of the College. The grant supports a series of initiatives focusing on cancer therapeutics, medication safety, and pharmaceutical manufacturing. Our last publication focused on cancer research being conducted by our faculty. In this issue we are pleased to highlight our role in medication safety.

Center for Medication Safety Advancement (CMSA)

An estimated 1.5 million preventable medication errors occur every year in the U.S., and 7,000 people die because of such mistakes, the Institute of Medicine reports. To address this challenge, the Purdue College of Pharmacy launched the Center for Medication Safety Advancement (CMSA) in March 2010 with funds from The Lilly Endowment. The Center's mandate: to discover, develop, deliver, and promote safe medication use practices and systems and to become the leading national academic center for medication safety by developing and advancing best practices. Simply put, the Center's mission is to make safe medication use common practice.

CMSA is committed to serving the citizens of Indiana, the nation, and the world through enhancing the discovery of safe medication use practices and delivering this knowledge to all who may benefit. Innovation and collaboration at CMSA between faculty, staff, and students links actionable discovery to entrepreneurship activities and moves us toward our mission. Most recently, CMSA was invited to attend and present both an original research poster and two lectures at the 8th Annual Clinical Microsystems Festival in Jonkoping, Sweden. This has been a very exciting continuation of a partnership with the Dartmouth Institute and their Clinical Microsystems program. CMSA remains actively engaged in this community and since this meeting has continued to provide simulation tools to representatives from several countries looking to replicate the success of CMSA using simulation methodologies to teach medication safety.

CMSA also has partnered with several providers and pharmacies in cities across Indiana and was invited to help identify and develop best practices in the community-wide adoption of electronic prescribing. Federal officials have created financial incentives aimed at encouraging greater implementation of e-prescriptions. In fact, Indiana now ranks number 9 out of the top 10 states with the highest rates of e-prescribing. Experts say e-prescribing will make the system more efficient, streamline the prescription process, and help reduce medication errors.

"As a community pharmacist, it was extremely helpful to communicate issues that we have had since the birth of e-prescribing and collaborate with others to optimize the benefits of e-prescribing," says Patty Elsner (PharmD 2001), University Advocate for Professional Development, Walgreens, Lafayette, IN.

Medication Management Technology

"While the tried and true method of applying a bandage to a cut to help it heal has served us all well for much of our lives, the same cannot be said about our medication management systems in healthcare. In healthcare, our wounds are often identified for us through grievous mistakes, medication errors, and adverse events that occur to our patients. These wounds then cause us to reach out for a bandage, a fix, or anything that we can use to immediately try and put an end to the pain. However, similar to the temporary nature of a bandage, our quick fixes often struggle to become a part of our permanent solution and do no better to prevent us from getting hurt elsewhere.

Fortunately, over the past several years, new technology has led us to some pretty amazing solutions for safe medication use practices. We can use prescriber order entry to help decrease prescribing errors, smart infusion pumps for administration errors, and a host of other solutions as well. However, when we attempt to implement these solutions, often times as the research suggests, we place them over top of our current broken systems and hope they organically heal our underlying processes. The truth is even though these new technological solutions have been proven beneficial, they can sometimes lead to new unforeseen errors as a result of integrating them into faulty underling processes.

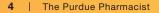
At the Center for Medication Safety Advancement (CMSA), an opportunity for collaboration between the faculty and staff of CMSA presented itself by studying the implementation of just such a system as described above. We partnered with a hospital that was implementing a bar-code medication administration (BCMA) system in order to reduce medication administration errors. In order to attempt to prevent such an overlaying of good technology on old processes, a new survey and implementation tool were developed to understand the expectations of the hospital staff during the transition period. Using this information and a new communication plan, not only was the new technology deployed safety and successfully, but the underlying process for administering medications was also redesigned.

This tool has since been adapted for use in the implementation of any medication management technology. It is the aim of CMSA to continue to partner with faculty and find new and innovative methods to create actionable outcomes to cutting edge research. From discoveries such as these, CMSA is equipped to move forward and engage with healthcare professionals to strive for the safest known systems possible."

> **Dr. Kyle Hultgren** Managing Director, Center for Medication Safety Advancement







The Medication Safety Research Network of Indiana (Rx-SafeNet)



The Medication Safety Research Network of Indiana (Rx-SafeNet) is a practice-based research network (PBRN) of community pharmacies located throughout the state of Indiana. The mission of Rx-SafeNet is to "improve medication safety and advance community pharmacy practice in Indiana through the conduct and dissemination of collaborative, patient-centered, practice-based research."

Rx-SafeNet was established in 2010 after discussions with Purdue leadership and community pharmacy stakeholders in the state. Rx-SafeNet is one initiative focused on enhancing medication safety among ambulatory patients that is supported by the Lilly Endowment, Inc, grant that the College received in 2006.

Rx-SafeNet is administered by CMSA within the Purdue University College of Pharmacy and has been registered as an affiliate PBRN with the Agency for Healthcare Research and Quality (AHRQ) of the U.S. Department of Health and Human Services. *"Currently, 22 pharmacies have joined Rx-SafeNet which is wonderful, and we continue to invite and encourage all Indiana community pharmacies to join.*

We are currently preparing to initiate the first project in the network. This project, led by students and faculty in Industrial Engineering, is focused on understanding medication and educational needs of patients with heart failure. By collaborating on this project, we hope that participating pharmacies will better understand the educational needs of their heart failure patients and be able to enhance care provided to best address these needs."

Dr. Margie Snyder

ssistant Professor of Pharmacy Practice Co-Director, Center for Medication Safety Advancement Network Director, Rx-SafeNet



Medication Safety Elective

CMSA, in partnership with College of Pharmacy faculty, has taken the lead in developing a new Medication Safety Elective course for Doctor of Pharmacy students. We have all dreaded any number of full day educational experiences, regardless of how exciting the topic is, due in part to a significant lack of variety in teaching methodologies. Nearly all of us are familiar with slide presentations and verbal lectures, but how many people have had the unique opportunity to put their hands on the topic and see what they can learn from interacting with their peers to better understand what is being taught? This has been a primary motivation for CMSA to develop a series of simulations—or games—that can be used in a variety of settings for audiences as small as a few people to engaging crowds of over 500, thus this elective course was born.

The course was first offered in Spring 2011 and will begin its second run in the Spring 2012 semester. The first class was surveyed on their knowledge and perceptions of safety at baseline and as an endpoint and the impact on their awareness of safe medication use as a system was dramatically improved. The course was a tremendous success and will be continuously evaluated for improvement and integration into curriculum.



To view the CMSA blog, please visit http:// www.pharmacy.purdue.edu/cmsa/news/blog.php. Rx-SafeNet invites community pharmacies to become

involved. To learn more about how to join, please visit www.pharmacy.purdue.edu/rx-safenet/membership/joining.php. You may also read more about Rx-SafeNet at http://www. purdue.edu/newsroom/outreach/2011/110210SnyderMedne twork.html; "Purdue develops statewide network to enhance medication safety", Purdue University News Service (February 10, 2011).



The College of Pharmacy Donor Honor Roll Fiscal Year 2011

The generosity of our donors enhances the overall success of our programs and future alumni at the College of Pharmacy, and we thank you for your continued support. The following gifts were received during July 1, 2010 through June 30, 2011. The College of Pharmacy strives to accurately recognize our donors. If for any reason you feel that your name has been omitted or listed incorrectly, please contact Angela Davis, Manager of Stewardship and Donor Relations, at (765) 494-1370 or davis174@purdue.edu. We invite all of you to participate at the appropriate giving club level. Every gift counts, and we thank each and every one of you for your support. .

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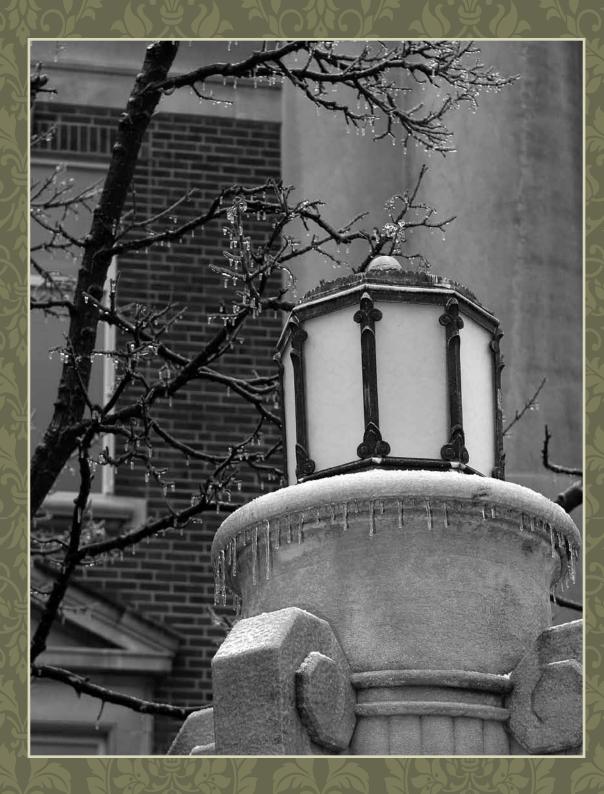
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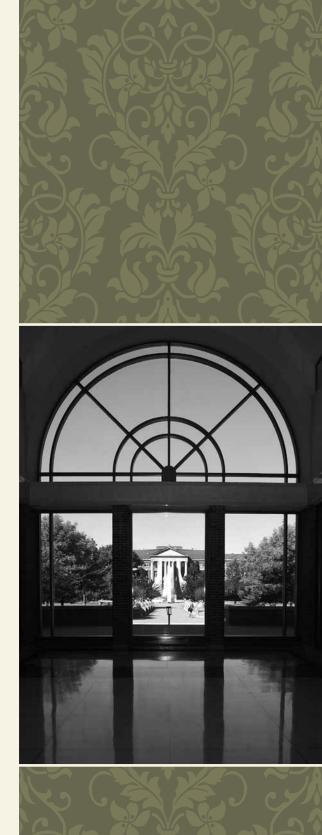
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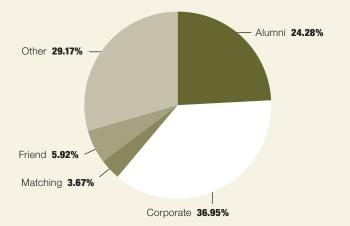
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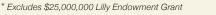
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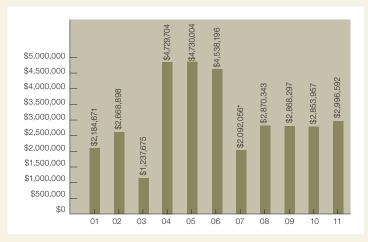
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Fiscal 2011 Giving to the College of Pharmacy



College of Pharmacy Cash Gifts During the Last Decade







(L to R) Edward Sheridan, Judith Jacobi, Robert Sepelyak, Said Sebti, and Jeffrey Hatfield

2011 College of Pharmacy Awards

Pharmacy Distinguished Alumni Awards

Upon the occasion of the College's Centennial in 1984, the Pharmacy faculty 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 achievement in professional and scientific endeavors.

The faculty of the College of Pharmacy selected four alumni to receive the 2011 Distinguished Alumni Awards. The Distinguished Alumni were honored at an awards event on November 4, 2011 during a luncheon ceremony in the Buchanan Suites at Ross Ade Stadium. Complete biographies of each recipient and additional photos of the event are available at www.pharmacy.purdue.edu/ advancement/honors/distinguished.

Friend of Pharmacy

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 pharmaceutical sciences. The faculty of the College of Pharmacy chooses one or more Friends to receive the annual Friend of Pharmacy Award.

The faculty of the College of Pharmacy selected one friend to receive the 2011 Friend of Pharmacy Award. Ed Sheridan also was honored at the awards luncheon ceremony on November 4, 2011. His complete biography is available at www.pharmacy. purdue.edu/advancement/honors/friends.

Distinguished Alumni



Jeffrey S. Hatfield (BS 1981) *Chief Executive Officer* Vitae Pharmaceuticals



Judith Jacobi (BS 1979) Critical Care Pharmacy Specialist Adult Critical Care Units, IU Health, Methodist Hospital



Said M. Sebti (PhD 1984) Manuel and Adeline Garcia Endowed Chair Department of Drug Discovery, Moffitt Cancer Center



Robert J. Sepelyak (PhD 1982) Project Director Pharmaceutical Development, AstraZeneca Pharmaceuticals LP

Friend of Pharmacy



Edward P. Sheridan Residency Program Director, Ambulatory Pharmacy Services Director, Family Medicine Residency Program Faculty Saint Joseph Regional Medical Center Ŕ

PRECEPTOR PERCEPTIONS

Edward Battjes (PharmD 2010)

Ed Battjes has been a preceptor for nearly two years and has been appointed Regional Faculty Coordinator for the North Central Indiana region for Purdue, a position that has not existed for many years. In this capacity, he acts as a liaison between the College of Pharmacy and experiential practice sites in the greater South Bend/North Central Indiana region. He develops new rotation sites for the area and conducts student roundtables for PharmD candidates taking part in their IPPE/APPE rotations.

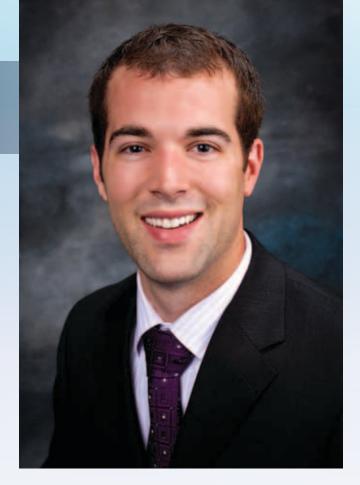
His current practice site is St. Joseph Regional Medical Center in South Bend where he is an ambulatory care pharmacist and the Associate Director of the Pharmacy Residency Program. In this position, he has developed and initiated a pharmacist-run education clinic for patients with diabetes under a collaborative practice agreement with medical directors and medical residents. He also jointly visits patients with physicians in family medicine clinics. All of these experiences are to allow further education of both pharmacy and medical residents.

What do you enjoy about being the new Regional Faculty Coordinator in the South Bend area?

I enjoy meeting and working for the many great pharmacists in my area. It's always nice to hear the wonderful things they are doing at their practice sites, and the suggestions they have for making the experiential program more rewarding for the students.

What is most rewarding about serving as a preceptor?

It is not uncommon for students to be nervous or unconfident about their abilities as pharmacists, even though they have all the education and knowledge to perform well. Growing students into confident and safe-practicing pharmacists is such an awesome experience, and is something often very noticeable across the course of the rotation.



How do you involve students in your rotation to advance patient care services?

Students are often involved with everything the pharmacists are involved with at our site. They help educate patients in lecture-like settings for the diabetes education clinics; they see patients in general physician-led family medicine clinics working along side our faculty and medical residents; they also are part of our pharmacist-managed outpatient clinics for diabetes education, anti-coagulation, and chronic disease state management. Students are so extensively utilized that their presence has become expected and the services they render are demanded.

What's the most important advice you give students entering practice?

While drug knowledge is important, if not known, it can be learned. For the best success, always bring a positive attitude, and always follow up.



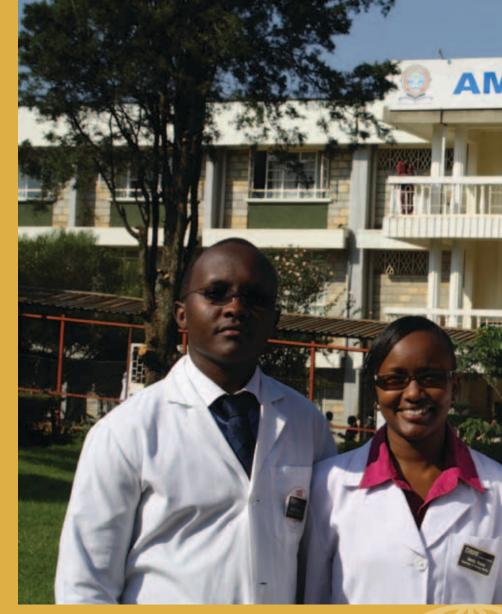
Global Health Pharmacy Residency

Since 2004, the College of Pharmacy has offered the Purdue Pharmacy Kenya Program, an international advanced pharmacy practice experience and clinical practice site in western Kenya. In conjunction with the United States Agency for International Development-Academic Model Providing Access to Healthcare (USAID-AMPATH), Moi University School of Medicine (MUSM), and Moi Teaching and Referral Hospital (MTRH), the program focuses on addressing healthcare system barriers which prevent the dissemination of high quality care and developing future leaders of pharmacy from both resourcepoor settings and resource-rich settings. This collaboration has helped build infrastructure needed to address the healthcare needs of Kenvans.

To capitalize on the positive gains in patient care and to continue developing pharmacy leaders from both Kenya and the United States, Purdue has established a Global Health Pharmacy Residency. With the support of Abbott, this PGY-2 residency program started in July 2011. There are three Kenyans and one American in the first residency class, allowing for a bilateral exchange of experiences and ideas.

The focus of this program is to provide patient care in a variety of pharmacist run programs in the resource-constrained setting of Kenya while training clinical pharmacists who can develop and deliver sustainable health care worldwide. Residents will exit the program as global health care practitioners who are able to provide leadership in resourceconstrained settings.

To learn more about the PGY-2 residency program, please contact Dr. Monica Miller at mille355@purdue.edu.



(L to R) 2011 Resident Class: Simon Manyara, Mercy Maina, Isabel Hagedorn, and William Ogall



Pharmacy Team during a July retreat which kicked off the Global Health Residency Program

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IPATH CENTRI

"When I participated in the Purdue Kenya Program as a student in 2009, I never imagined I would be back as a resident. Currently, I am working with a group to begin a drug information center for our hospital to serve as a resource to our healthcare providers, patients, and family members. Also, I am working on a gestational diabetes clinic to assist in diagnosing and treating diabetes that presents for the first time in pregnancy. With GDM, there is a high rate of the mother going on to developing DM2 and a risk of the baby also developing diabetes later in life. By managing this condition, we are hoping to decrease the diabetes burden in our area."

Isabel Hagedorn

"I grasped the chance to participate in this residency program wholeheartedly. The global nature of the program has made me a caregiver who can ensure better patient outcomes in both resource-rich and resource-constrained settings.

My research project involves clinical informatics, largely stemming from my passion in information technology. I am working with a team of computer programmers and pharmacists to develop the new AMPATH pharmacy database system that differs from conventional dispensing databases, by incorporating tools that are intended to achieve better tracking and enhancement of patient adherence to medications, in addition to managing customary pharmacy transactions."

William Ogallo

"My experience as a Global PREP resident has been incredible. At such an early stage in my career, it has offered me the opportunity to precept and mentor students, write research papers for publication, and it has given me a chance to get involved in the establishment of new programs like chronic disease management and revolving fund pharmacies at AMPATH sites.

I am working on a project that involves the screening of counterfeit and substandard drugs using a paper analytical device (PAD). The PAD is a new, inexpensive and portable device with a series of chemicals which can be used as a screening tool to validate the quality of drugs."

Mercy Maina

"I have always had a passion for patient care and improving healthcare delivery in Kenya. *The residency program offers* the perfect platform for me to gain the clinical skills and *experience required to achieve* this goal. My areas of interest are mostly in chronic disease management and I spend a lot of my time participating in research in diabetes and mental health. I am also involved in research on the quality of antibacterials that are currently available in Eldoret."

Simon Manyara



Minority/Multicultural Program

Multicultural Programs alumni, faculty, staff, students and corporate supporters

On October 7 and 8, 2011, the College of Pharmacy held a Minority/Multicultural Programs Celebration. Over one hundred alumni of Multicultural Programs (MCP) attended

the weekend intended for rejoicing in our efforts to enhance diversity and strengthen our community.

The event was kicked off with a warm welcome by Dean Craig Svensson, who then gave an update on the College's academic programs. A report from the Minority Advocacy Council on the state of MCP preceded a brainstorming session on how alumni can assist the program. Current MCP students then participated in a networking session with the alumni.

On Friday evening, guests were treated to a wonderful dinner and program celebrating MCP at the University Plaza Hotel. The gathering announced the upcoming 20th anniversary of MCP in 2012 by highlighting the many accomplishments of the program, as well as the outstanding leadership and direction of Jackie Jimerson, Director of Multicultural Programs. "It was great to see so many former MCP participants return for this event, and they were very enthusiastic and eager to return," comments Ms. Jimerson. "It is wonderful to see so many who have benefitted from the program. We were also pleased to welcome back our corporate supporters who have been so encouraging." The program concluded on Saturday with a continuing education class for alumni. Participants also had the opportunity to volunteer for many different roles that will aid in the advancement of MCP.



Jackie Jimerson and Dean Craig Svensson with our corporate sponsors from Supervalu; (L to R) Bobbie Riley, Chris Dimos (BS 1988), Jackie Jimerson, Nikki Price (BS 1993), Steve Keen (BS 1981) and Craig Svensson



Current and former Minority Advocacy Council members

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Students analyzing tablets under the expert tutelage of Waytt Roth, 4th year graduate student at Purdue

Tanzanian Manufacturing Laboratory Ceremony

In August 2011, Purdue University's College of Pharmacy, along with collaborators at Howard University, taught a manufacturing laboratory (IPPH 562) at the Kilimanjaro School of Pharmacy in Moshi, Tanzania. This course is part of the four course curriculum aimed at developing a Sustainable System for Manufacturing Medicines in Africa. At the end of the laboratory session, participants held a ceremony where each of the six lab groups presented a show and tell describing what they had done. "The ceremony touched Bernd Koehler [the director] and Wilson Mlaki [the principal of the school] and it nearly brought Zita Ekeocha [visiting scholar of Dr. Byrn], Joe Fortunak [Associate Professor of Chemistry, Howard University] and me to tears," comments Dr. Stephen Byrn, Charles B. Jordan Professor of Medicinal Chemistry. "Bernd said he didn't need to read the evaluations—he could see the positive evaluation in the students' eyes."

Working under GMP-like conditions, all groups made large quantities of Tylenol tablets. Two groups made Efavirenz anti-AIDS tablets. "To our knowledge, this was the third and fourth time Efavirenz had been manufactured in Africa. Two groups also synthesized piperaquine and DHA and made piperaquine-DHA tablets (anti-malarials)," says Byrn. "We believe the synthesis of piperaquine and DHA and the manufacture of the tablets was the first time that had ever been done in Africa. It is clearly possible to manufacture drugs in Africa. Tremendously rewarding. We are all thankful for the opportunity to do this."



Students presenting tablets they have made to the principal of the Kilimanjaro School of Pharmacy, Wilson Mlaki

With your support, our mission is in the bag.

> 16th Annual BoileRx Golf Classic

Thursday, May 31, 2012

Lunch will be served at 11:30 Shotgun start at 1:00

16th Annual BoileRx Golf Classic

Thursday, May 31, 2012

Early Bird Registration!

Be an Early Bird – Not a Late Bloomer! Submit your paid registration on or before May 1, 2012 and pay only \$120 per golfer.

Late Bloomer Registration Fee: (Registrations received after May 1) \$130 per golfer

Registration includes:

- Practice Range Balls
- Golf Cart
- Green Fees
- Soft Drinks & Beer
- Lunch
- Prize Holes
- Door Prize

Send Registration Form by May 1 to:

BoileRx Golf Classic Purdue University Heine Pharmacy Building, Rm. 104 575 Stadium Mall Drive West Lafayette, IN 47907-2091

Or by FAX to (765) 494-9587

Have Questions? Want to Help? Want to Sponsor a Hole?

Contact: Dana Neary (765) 494-2632 neary@purdue.edu

Forms can also be found at www.pharmacy.purdue.edu/boilerx. Feel free to make copies of this form as needed.

Name
Address
City State Zip
Phone
E-mail Address
Purdue Alumni? 🗖 Yes 🗖 No
□ Sign me up for a four-person scramble
Other golfers on my team are:
Place me on a team
Twenty-five dollars of each golfer's registration fee will support both annual and endowed scholarships and qualifies as a charitable deduction.
Number of Early Bird registrations (prior to May 1) x \$120 = \$
Number of Late Bloomer registrations (after May 1) x \$130 = \$
Sponsor a Pharmacy Student to join your foursome x \$105 = \$
Additional gift to the College of Pharmacy Scholarship Fund \$
TOTAL REGISTRATION AMOUNT \$
Mulligans and Beat the Faculty chances will be available at the event.
D My check made payable to <i>Purdue Foundation</i> is enclosed.
Charge my credit card: C MasterCard Visa D Discover
Charge will appear as Purdue UDO Dept. Events on your credit card statement.
Card number
Expiration date: /
Signature

Pharmacy Kiosk Dedication

The College of Pharmacy dedicated its recently renovated display cases in the lobby of the Heine Pharmacy Building during Homecoming on October 22, 2011. It was the wish of the Class of 2011 to use the funds raised through the Senior Class Gift Challenge to provide an interactive kiosk that would be housed in the lobby for all to use. The challenge funds, along with a generous matching gift by Dr. (BS 1957) and Mrs. Robert L. Anderson, made the class's wish a reality.

The Class of 2011 requested to dedicate the kiosk in memory of their beloved professor, Dr. Stanley Hem. Dr. Hem passed away unexpectedly in January 2011, but he will forever be in the hearts of each student who was touched by his kindness and love of teaching. This electronic display will hopefully show everyone just how special Dr. Hem was to our College, faculty, alumni, and especially our students.

Members of the Hem family and Class of 2011 were present for the unveiling of the kiosk which showcases a history of the College, a faculty and staff directory, pharmacy class photos, the Donor Honor Roll, and much more. During the ceremony, Dean Craig Svensson thanked Dr. and Mrs. Anderson and the Class of 2011 for their generous spirit. Nick Sciacca (PharmD 2011) spoke on behalf of his class about the importance of Dr. Hem and how the kiosk will serve as a constant reminder of a wonderful man, teacher, and mentor.

COLLEGE OF PHARMACY



(L to R) Class of 2011 Gift Challenge Committee members Tom Seto, Kristen Weidenbenner Eckerle and Nick Sciacca



Students and alumni try out the kiosk

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"We were pleased to be invited to serve as matching donors for this important gift to the College of Pharmacy. We love Purdue and are proud to follow in my father's footsteps in supporting Purdue University and the College of Pharmacy. The students who chose this memorial gift and the recipient it honors will hopefully continue to support the University and the College in future programs such as this."

- Robert Anderson (BS 1957)



The Hem family with Dean Svensson

FACULTY EMERITUS

Dr. Gary Isom joined the faculty at the then named School of Pharmacy and Pharmacal Sciences in 1980 as an associate professor of Toxicology after having served on the faculty at Idaho State

Gary E. Isom *Professor Emeritus of Toxicology* SETTING SAIL ON RETIREMENT

University for seven years. He retired from Purdue on June 30, 2011 as Professor of Toxicology. With a little more free time on his hands these days, the College of Pharmacy caught up with Dr. Isom to hear his reflections on his career and how retirement is treating him so far.

"I first became interested in pharmacy as a career in high school as a result of conversations with a community pharmacist and learning about the career opportunities in the pharmacy profession. After I enrolled in Pharmacy school, I participated in a NSF undergraduate research program in pharmacology and continued to work in basic sciences throughout pharmacy school. I decided to go to graduate school while in my fourth year of pharmacy school.

The biggest change I have seen in pharmacy is the movement to a more patient-oriented profession in which the pharmacist actively participates in the clinical care of the patient. When I graduated in pharmacy school in 1969, clinical pharmacy, as we know it today, was just beginning to be incorporated in the curriculum. By the time I started teaching in 1973, clinical pharmacy had been firmly established as a major component of the curriculum. As a result of observing these changes while a graduate student, I decided to undertake a residency in clinical pharmacy (internal and emergency medicine) after completing my PhD. I feel that this background had a great influence on my teaching of basic pharmacology and toxicology.

It has been a pleasure interacting with the pharmacy and graduate students over the years and contributing to their intellectual development. The greatest joy is following the careers of my graduate students and watching them become successful.

I plan to remain active in professional activities by participating in the Society of Toxicology functions and continue to serve on the Advisory Board of the NIH Counteract program. I am also undertaking a two year project in which I am working with two other colleagues in editing a book on the clinical toxicology of cyanide. Dr. Joe Borowitz is co-authoring three chapters with me that will be included in the text.

Presently, my wife and I still reside in West Lafayette. We have been traveling and took a trip to the southern Mediterranean this fall. We also plan to spend more time with the grandkids. We would like to spend winters in a warm climate, but have not decided if we want to relocate permanently to either Florida or Arizona."



Isom cruising the eastern Mediterranean where he and his wife visited a number of Greek isles and southern Turkey

"The biggest change I have seen in pharmacy is the movement to a more patient-orientated profession in which the pharmacist actively participates in the clinical care of the patient."

Planning for the *Future* of Pharmacy

Want to make a gift without writing a check? Here's how...

Dear Pharmacy Alumni,

Would you be interested in supporting the College of Pharmacy without writing a check? Sounds too good to be true, right? Actually, it's pretty common.

As you may be aware, the College of Pharmacy is currently underway with a \$10 million dollar planned giving campaign, "Planning for the *FUTURE* of Pharmacy." This is an initiative to raise money through deferred gifts that will position your College of Pharmacy as the preeminent pharmacy program in the country. Examples of planned gifts are Will Bequests, Life Income Gifts, Retirement Plan Assets, Living Trusts, Life Insurance Beneficiary, or Real Estate Assets to name a few. Finally, you can help decrease the amount of estate taxes that will go to Uncle Sam!

You can also establish life income gifts, such as Charitable Gift Annuities, Charitable Remainder Unitrusts, or Charitable Remainder Annuity Trusts. These provide you with an income stream for life and you receive an immediate charitable deduction. This is a win-win for you and Purdue's College of Pharmacy as the beneficiary.

In order to become the preeminent pharmacy program of the future, we need your help today! You can learn more about the planned gift opportunities by visiting our campaign website at www.pharmacy.purdue.edu/pg. You can also learn about what your fellow alumni are doing in their estate plans to benefit the College.

Here are just a few suggestions to think about:

- Consider a will bequest of \$50,000 and establish a scholarship in your name, a loved one, or your favorite professor.
- Earmark 50% of your life insurance policy to benefit the College of Pharmacy.
- Establish a \$100,000 Charitable Remainder Unitrust, receive an immediate tax deduction, and receive an income stream for life.

If you would like to learn more, feel free to contact me at (765) 494-0501 or nwight@purdue.edu. Thanks again for your generosity to Purdue's College of Pharmacy.



Go Boilers!

Nathan Wight Director of Advancement



Giving Back Through Planned Giving

Tom W. Seto (PharmD 2011)

"The College of Pharmacy, including the faculty, staff, and my peers, helped define me as a practitioner and a leader. From the time I was a freshman, the College has felt like another home to me. Students deserve the opportunity to experience our culture and environment, and giving back ensures that our program will continue to blossom into the best pharmacy program in the country.

Making a planned gift is my way of showing how personally invested I am in the College. I do not want to make possibly empty promises and say that I will donate once I have established a life for myself. I want to show my appreciation now. Putting aside wherever my future takes me, the Purdue College of Pharmacy has already made an impact on me. Before I even received that diploma, the return on investment for six years of tuition has already exceeded anything I can hope for. As a new graduate, I do not have the liquid assets to contribute immediately. A planned gift will continue to build value and is worth more than the few hundred dollars I can afford now.

While a student, I took advantage of all the opportunities to develop both personally and professionally. College is more than what you learn in the classroom. The greatest feeling to me was helping peers and the younger generations realize their potential and passions. I do not want to define success by how much money I make, rather by the successes of the individuals I have influenced. It became about leaving a legacy that will live beyond my time on campus. I want future classes to have an even better experience than I did."

Tom is currently pursuing a Doctor of Philosophy in Pharmaceutical Outcomes and Policy at the University of Florida while working as a pharmacist at Walgreens in Gainesville, Florida.

You can make a difference in the future of pharmacy today by visiting http://www.pharmacy.purdue.edu/pg



Indiana Challenge Match Purdue University Matches Gifts for Scholarships

Purdue University has set aside \$6.7 million for scholarships for Indiana residents studying at the West Lafayette campus. These funds were made possible by one-time gains from University investments realized this past fiscal year. Although the scholarship must be unrestricted, the donor can stipulate that the scholarship go to a student in the College of Pharmacy.

A gift of \$12,500 will be matched by the University 1:1, thus endowing a scholarship at the minimum endowment level of \$25,000. Gifts can be pledged over five years, and corporate matching dollars are eligible for the match.

For gifts of \$25,000 and higher, a 10% bonus will be added directly to the support account of the endowment once the gift is fulfilled. Endowments typically take a year or two to build enough income to be awarded, so the bonus allows the endowment to begin awards immediately, thus providing immediate impact for the students.

These University funds are available on a first come, first serve basis. For more information about how you can take part in the Indiana Challenge Match, please contact Nathan Wight, Director of Advancement, at nwight@ purdue.edu or (765) 494-0501.

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News From Continuing Education and Professional Development

Dear Alumni,

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I have had an exciting experience since joining the College of Pharmacy as Managing Director of Continuing Education (CE) and Professional Development (CPD) nearly eight months ago. To introduce myself, I received my BS in Humanities from Purdue, and although I received my MS in Education from the other Big Ten university to the south, my allegiance has always been and always will be to Purdue! Despite my passion for higher education, my career path took a different route to that of business, so now I bring over

thirty years of experience in business management to this position and look forward to providing a different perspective to the division. I want to share with you some of our plans for CE in 2012.

Along with providing medical continuing education which began several years ago through partnerships with a number of medical education companies, a hole existed in the area of Pharmacy CE. In order to ensure that we put together programming that meets your needs and centers on relevant topics, we conducted a survey during the fourth quarter of 2011, which we attempted to send to any alum for whom we had an email address. The results from the 800+ surveys that were returned (equating to a 20% return rate) highlighted a number of specific areas of interest, such as cardiovascular disease, medication safety, medication therapy management, antibiotic stewardship, pharmacy law/ethics, and anticoagulation.

I have secured commitments from over a dozen of our faculty who are in the throes of developing CE activities that correspond to the findings outlined above. We also learned the methods by which you would like to receive your CE, so we intend to develop activities that will be available via printed material, webinars, live presentation, and pre-recorded streaming.

As you can imagine, this is no small undertaking, so we have prioritized our activity rollout based upon your requirements. The rollout vehicle is our newly redesigned website available at http://ce.pharmacy.purdue.edu, which not only provides the menu of existing CE activities and what's to come, but also includes webinars and seminars of interest, recordings of current courses with the ability to ask questions and receive responses within a short turnaround time frame, and a new amenity whereby we will provide consultative services for those of you who need to brush off your resume. Although everything is not up and running at this point, I wanted to share a smattering of what's planned to pique your curiosity. Please visit the website often as enhancements and new activities will be ongoing.

I look forward to working with you as we develop your CE. Your feedback is invaluable and will help set the CE platform for now and into the future.

Sincerely,

Marceae

Marlene O. Heeg Managing Director, Office of Continuing Education and Professional Development (765) 494-1474 mheeg@purdue.edu

Bob Bennett Retires

Professor of Pharmacy Practice Director of Pharmacy Continuing Education



There was an independent pharmacy in the neighborhood where Robert "Bob" Bennett grew up. Over the years, he spent a lot of time

at the lunch counter and buying baseball cards. When he was in 8th and 9th grade, Bob asked the pharmacists questions about what they were doing behind the prescription counter. Before long, they had him in the pharmacy, showing him how to mix compounded medications and fill prescriptions. Bob also observed how they interacted with their patients and the help they provided. "From age 13 on, my plan was to go to pharmacy school," he says.

Bob received his BS in 1970 from Purdue. "Dr. Glen Sperandio saw the passion I had for clinical pharmacy and encouraged me to go to grad school, then offered me an assistant professor of clinical pharmacy position upon graduation," he says. So, Bob joined the faculty at Purdue in 1972. After over forty years of service to Purdue University College of Pharmacy, Bob retired as Professor of Pharmacv Practice and Director of Pharmacy Continuing Education on June 30, 2011. Along with having served as a faculty member throughout his career, he coordinated the continuing education (CE) program for most of that time and has been the point person for the last six years directing the medical (ACCME) and pharmacy (ACPE) certification initiatives for the College.

Please visit our updated website for more information about Continuing Education and Professional Development at http://ce.pharmacy.purdue.edu

What are some of the biggest changes you've seen in Continuing Education over the years?

When I started doing CE for pharmacists in 1973, Purdue-Butler-IPA were the only shows in town. We had more than 2,500 pharmacists statewide at 25 sites throughout Indiana attending live televised CE programs from 10 p.m. to midnight, once a month each year. Now, pharmacists have a wide variety of educational opportunities to do CE at their convenience. Technology provides the chance to develop innovative and interactive programming that enables the participant to gain knowledge, skills, and experience.

What have been some of your greatest joys in working with the students and CE participants over

the years? I was involved in numerous certificate programs for drug therapy monitoring, pharmaceutical care, diabetes care, geriatric care, asthma care, and others over the last 25 years. The pharmacists participating in these programs were so energetic and passionate. Together, we were able to advance pharmacy practice in Indiana and throughout the U.S. The same holds true for the 400 or so graduates from Nontraditional Doctor of Pharmacy Program (NTDPP) starting in 1981. The participants in this program totally disrupted their lives to commit to obtaining the PharmD degree. As a group, the NTDPP graduates have made a tremendous impact on advancing pharmacy practice in Indiana, the Nation, and throughout the Middle East.

Bob and his wife, Mary Jo, have enjoyed working on projects at home, going out with friends, and talking care of their granddaughter since his retirement. He plays golf several times a week and looks forward to Purdue basketball. The couple has trips planned to the Northeast U.S. and Canada next year, and cruises to the Baltic Sea and around the horn of South America into Antarctica are on the couple's bucket list. Bob considers it an honor to have served the College and the University that he loves, and he is a proud Boilermaker.



Bob Bennett, with Hamid Abbaspour (BS 1985), at his retirement dinner held on June 24, 2011, in the Ross-Ade Pavilion Shively Club

SIXTY SECONDS

With a Graduate Student



Marwa Noureldin

PharmD, Minor in French; 2009; Purdue University Doctoral Student, Department of Pharmacy Practice Anticipated Graduation Date: May 2013 Hometown: West Lafayette, IN

Major Professor: Dr. Kimberly Plake

Research Interests: Social and behavioral pharmacy sciences, health literacy, gerontology, patient education, and public health

Awards and Honors: AACP Walmart Scholar (2011); Center for Instructional Excellence Graduate Teaching Certificate (2011); Frederick N. Andrews Fellowship (2009-2011)

Post-graduation plans: To pursue a career in pharmacy academia or government

"My graduate school experience at the **College of Pharmacy has been very unique** and has allowed me to enhance my academic and professional development. As the Pharmacy Practice (PHPR) senator in the **Purdue Graduate Student Government,** I have been able to represent the interests of PHPR graduate students and the opportunity has been truly rewarding. The College of Pharmacy has supported the efforts of a group of PHPR graduate students, including myself, in developing a mentoring program to promote post-graduate education among PharmD and BSPS students and develop **College of Pharmacy graduate students'** mentoring skills.

As part of the interdisciplinary Center on Aging and the Life Course, I have been able to interact with graduate students and faculty from several departments on campus and broaden my research perspective."



The Road to Success Started Here

NUCLEAR PHARMACY ALUM Edmond Fennell

Edmond Fennell grew up in Fort Wayne, Indiana. When Ed was in high school, his mother, who worked in patient services at Parkview Hospital, found him a part-time position in the hospital pharmacy. It was obvious that the hospital pharmacists enjoyed their jobs and they spoke highly of Purdue. Ed's work experience with the hospital pharmacists ultimately motivated him to attend Purdue to pursue a pharmacy degree.

As a student, Ed encountered Dr. Stanley Shaw in the basic course in nuclear pharmacy. As usual, Dr. Shaw encouraged students to consider this unique specialty, promoting nuclear as an exciting area of pharmacy practice. Ed continued on in the series of courses in nuclear pharmacy and participated in two summer internships in a centralized nuclear pharmacy in Nashville, Tennessee.

Upon receiving his BS in 1981, Ed took a position in Nashville with Nuclear Pharmacy Incorporated. He worked at that location for only one year and then was asked to open and manage a new nuclear pharmacy with another Purdue pharmacy graduate in Des Moines, Iowa. After enduring four years of Iowa winters, Ed migrated to Fort Lauderdale, Florida, to assume a management position for Syncor International Corporation. He progressively assumed additional business responsibilities for the Syncor pharmacies located in the South Florida area before becoming a Regional Operations Manager for the east coast of Florida.

After several years, Syncor reorganized and Ed found himself without a job. Instead of being discouraged by the situation, he used this opportunity to open his own nuclear pharmacy chain based in Daytona Beach. By 2006, Ed owned four centralized nuclear pharmacies in Florida. It was at this time that Ed and two other individuals had the vision to develop an organization to compete in today's highly competitive business environment. This new company was composed of several smaller, successful nuclear pharmacy chains to create a larger, more dynamic and scalable enterprise. Thus, Triad Isotopes, Inc. was created. As of this fall, the company operates 64 centralized nuclear pharmacies and four PET centers, and future growth is on the horizon. Ed is Senior Vice President of Strategic Business Development and serves on the Board at Triad. His many responsibilities include oversight of Positron Emission Tomography (PET) Operations, Strategic Accounts including group purchasing organizations (GPOs), Oncology Products, and Pharmacy Expansion.

From a young man entering pharmacy as a result of Purdue Pharmacy alumni enjoying their practice to the sophisticated, challenging position of a senior vice president, Purdue Nuclear Pharmacy can easily state, "Ed, you've come a long way." Congratulations on building your career on the foundation provided by Purdue and the radiopharmacy program. Purdue is proud!



Crystalline Solids session speakers with Garnet Peck (center), (L to R) Drs. Rodolfo Pinal, Michael Zaworotko, Bernhardt Trout and Tonglei Li



Amorphous Solids session speakers with Garnet Peck (center), (L to R) Drs. Lynne Taylor, Michael Pikal, Marcus Brewster and Lian Yu

The Garnet E. Peck Symposium was held on October 20, 2011 in Stewart Center at Purdue University. The topic of this year's symposium was pharmaceutical solids, with sessions on amorphous and crystalline forms. The presentations covered cutting-edge discoveries for both types of solids, including transformations between crystal forms (polymorphs), the development of novel cocrystals, and the design of amorphous forms with enhanced solubility. Bio-sketches and abstracts of the outstanding speakers who presented are available at http://www.ipph.purdue.edu/peck/.

The symposium is sponsored by the Department of Industrial and Physical Pharmacy and the College of Pharmacy at Purdue University. The event honors Dr. Garnet Peck, Professor Emeritus of the Department of Industrial and Physical Pharmacy. Dr. Peck has a record of enduring contributions to the pharmaceutical sciences, including the development of latex-based tablet coatings that have been used in the industry for more than thirty years. Our goal is to stimulate interest in the symposium's focus areas and to identify opportunities for new research.

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9th Annual Garnet E. Peck Symposium

The 10th Annual Garnet E. Peck Symposium will be held on October 11, 2012. For more information about the symposium, please contact DeEtte Starr, Communications Coordinator, Industrial and Physical Pharmacy, at (765) 494-1484 or starrd@purdue.edu.



Garnet Peck converses with IPPH alumna Holly Bonsignore

Greetings from West Lafayette!

We have had an OUTSTANDING fall. The College of Pharmacy has welcomed several alumni groups back to campus. The Class of 1961 was on campus in September, and October brought back our Multicultural Programs alumni. Our homecoming activities were a success, and the Class of 1971 had a small gathering during that weekend. We were thrilled to unveil our new interactive kiosk in the Heine Pharmacy Building lobby during homecoming. The kiosk was funded by generous gifts from the Class of 2011 and Dr. (BS 1957) and Mrs. Robert L. Anderson, which you can read more about on page 24.

Our fall events concluded in November with the Class of 1976 Reunion, the Distinguished Alumni and Friend Awards, and our annual Donor Brunch. If you didn't get a chance to visit us this fall, we hope you will find your way back to campus this spring!

fall, we nope you with the As always, for the latest details regarding these and other events, please visit www.pharmacy.purdue.edu/ advancement/alumni/. Also, don't forget to look for us on LinkedIN® and Facebook® ("Purdue Pharmacy Alumni Group").

Hail Purdue!

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Dana Neary Manager of Alumni Relations & Special Events



2012 Pharmacy Events Calendar

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DATE	EVENT
February 9-10	Dean's Executive Forum – Jeff Hatfield (BS 1981)
February 16-17	Dean's Executive Forum – Tate Trujillo (PharmD 1996)
February 23-24	Dean's Executive Forum – John (BS 1963) and Jenifer (BS 1992) Schreiner
February 24	Boilermaker Ball
March 1-2	Dean's Executive Forum – Katie MacFarlane Phillips (BS 1988, PharmD 1989)
March 10-11	APhA Meetings, New Orleans (Reception TBA)
March 22-23	Dean's Executive Forum – Chris Dimos (BS 1988)
March 29-30	Dean's Executive Forum – Marianne Billeter (BS 1986, PharmD 1987)
April 5-6	Dean's Executive Forum – Keith Gillette (BS 1992)
April 12-13	Dean's Executive Forum – Margaret Sgritta (BS 1972)
April 14	Pharmacy Spring Fling
April 19-20	Dean's Executive Forum – George Kucka (BS 1970)
April 24	Lake Forest Reception – Jim Bedford (BS 1981)
April 25	Popcorn, Cokes & Note Writing
April 27	Class Gift Luncheon
April 27	Pharmacy Graduation Banquet
May 9	Faculty Retreat
May 13	Commencement
May 23	New Albany/Louisville Reception
May 31	16th Annual BoileRx Golf Classic
June 1	Pharmacy Alumni Board Spring/Summer Meeting

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

Pharmacy Alumni Online Survey

The Pharmacy Alumni Association Board (PhAA) wants to better serve YOU, but we need your input! We invite all pharmacy alumni to take a few minutes to answer the questions in our online survey. Please visit www.pharmacy.purdue.edu/phaasurvey

and let us know how we can help you get the most out of your alumni experience.



The College of Pharmacy appreciates the continued support of our former and current PhAA Board Members

2011-2012 PhAA Board Member

The College of Pharmacy is pleased to introduce the alumni who are currently serving on the Pharmacy Alumni Association (PhAA) Board. The purpose of the Board is to provide our alumni opportunities to serve the College and their profession, as well as to enhance alumni relationships with Purdue University and the Purdue Alumni Association. Many thanks goes to these individuals who dedicate their time and resources to helping further the mission of the PhAA.

Tricia Lohr (PharmD 2005), President* Kate Burke (BS 1974), Vice President* Brian Holstine (BS 1987), Secretary* Robert L. Anderson (BS 1957)* Suzanne Bousquet (BS 1958)* James Branham (BS 1977)* Elizabeth Chalmers (BS 1960)* JeanAnne Chaney (BS 1961)* Farrah Chinderle (PharmD 2010) Joe Dubes (BS 1971)* Nathan Gabhart (BS 1998)* Robert Gibson (BS 1969)* Brad Given (PharmD 2007)* Sarah Harding (PASE Member, 2nd Year PharmD Student) Travis Huber (1st Year PharmD Student) Grace Ilevbare (IPPH Graduate Student) Timothy Jarnagin (BS 1982)* Jane Krause (BS 1981, MS 1994)* Jason Lambert (PharmD 2007) Bill Malloy (BS 1976)* Dipen Patel (BSPS Student Representative) Gene Rhea (PharmD 2006) Pam Ringor (BS 1997)* Patrick Schleck (PharmD 2009) Rachel Snodgrass (PASE Member, 4th Year PharmD Student) Kara Weatherman (PharmD 1994)* Jonathan Weir (3rd Year PharmD Student) James Wu (PharmD 2003)* Wenda Sharp Zick (BS 1995)*

* Purdue Alumni Lifetime Member

Faculty & Staff News



Albert Bowers joins the faculty as Assistant Professor of Medicinal Chemistry and Molecular Pharmacology. He received his BA from the University of Chicago and his PhD from the University of Illinois at Chicago. Following graduate school, he completed two postdoctoral appointments, the first at Colorado State University and the second at Harvard Medical School. Dr. Bowers' specialization focuses on natural products, carbohydrate chemistry, and chemical biology.



Ashley Crumby joins the faculty as Clinical Assistant Professor of Pharmacy Practice. She received her PharmD degree from the University of Mississippi and completed a PGY1 Pediatric Pharmacy Practice residency at Arkansas Children's Hospital in Little Rock, Arkansas, followed by a PGY2 Pediatric Infectious Disease residency also at Arkansas Children's Hospital. Her practice at Riley Hospital for Children in Indianapolis, Indiana, involves the provision of clinical pharmacy services in the Ryan White Center for Infectious Disease at Indiana University Health, Pediatric HIV clinic. Dr. Crumby's research and teaching interests involve medication adherence, pediatric infectious diseases, and the role of the pharmacist in a pediatric HIV clinic.



Ryan Drenan joins the faculty as Assistant Professor of Medicinal Chemistry and Molecular Pharmacology. He received his BS from the University of California San Diego and his PhD from Washington University. He went on to pursue a postdoctoral fellowship at the California Institute of Technology. Dr. Drenan's research interests focus on dopamine neurotransmission regulation and studying perturbations in the dopamine system that are relevant to human disorders.



Wanging Liu joins the faculty as Assistant Professor of Medicinal Chemistry and Molecular Pharmacology. He received his BS from Shandong Normal University in **Biological Science and** Education and his PhD from the Shanghai Institute of Physiology, Chinese Academy of Science in Neurobiology. Dr. Liu's research and teaching interests center on human disease genomics and personalized medicine. His research programs involve the use of integrated "omics" approach to identify genetic variants and molecular targets integral to disease pathogenesis and therapeutics.

Employment Surveys

	Number	Percent
Students Surveyed	160	100%
Responses	159	99%
Committed Response	142	89%
Employed:	85	60%
Continuing Education**	57	40%
Undecided/Seeking	17	11%
Pharm.D.	Average	Range
Employment Offers	1.75	1-6
Commitment	Indiana	Othe
Location	83	57

Commitment Type	Number	Percent	Avg. Salary	Salary Range
Residency**	50	35%	\$41,923	\$38,000 - \$50,000
Fellowship**	7	5%	\$47,250	\$41,000 - \$53,000
Chain - Retail	71	50%	\$109,325	\$85,000 - \$130,000
Independent - Retail	4	3%	\$106,000	\$104,000 - \$108,000
Hospital	9	6%	\$98,884	\$97,000 - \$102,000
Military	1	1%	(not rej	ported)

Employment Salary Average \$108,598 (includes chain, independent, and hospital salaries only)

*only one salary reported

** graduate or professional school/fellowship/residency



Eric Barker, Associate Dean for Research and Professor of Medicinal Chemistry and Molecular Pharmacology, is one of six Purdue faculty chosen to participate in the Committee on Institutional Cooperation (CIC) Academic Leadership Program during the 2011-12 academic year. The CIC is a consortium consisting of the Big Ten universities and the University of Chicago.

Fellows are nominated for this honor by their colleges/schools and are selected based on their demonstrated potential for and interest in university administration. "This program is a broad-based learning experience to develop the leadership and managerial skills of faculty who have demonstrated exceptional ability and administrative promise," says Beverly Davenport Sypher, Vice Provost for Faculty Affairs and the Susan Bulkeley Butler Center Chair for Leadership Excellence.

More information about the CIC can be found at http://www.purdue.edu/newsroom/purdue today/faculty_staff_news/2011/story-print-deploy-layout_1_13952_13952.html, University News Service (July 18, 2011).



Arun Ghosh, Ian P. Rothwell Distinguished Professor of Chemistry and Medicinal Chemistry, received a Method to Extend Research in Time (MERIT) award from the National Institute of General Medical Sciences for his research into treatments for drug-resistant HIV. This award, given to fewer than 5 percent of NIH-funded researchers, can provide an extended grant cycle of up to 10 years and is intended to lessen the burden of grant appli-

cation submission for researchers with a history of talent and success.

Ghosh created a molecule that in 2006 became the first approved by the Food and Drug Administration to treat drug-resistant HIV. The drug molecule, known as Darunavir, is now approved in 80 countries and is used as a frontline therapy for HIV and AIDS. Ghosh continues to improve upon his original success and designs even more powerful molecules in an effort to improve treatments and reduce side effects. "I am very excited about the MERIT Award, and I look forward to taking our research to the next level," Ghosh said.

You can read more about Dr. Ghosh's research and MERIT award at http://www.purdue.edu/ newsroom/research/2011/110825GhoshNIHmerit.html, University News Service (August 25, 2011).



Jasmine Gonzalvo, Clinical Assistant Professor of Pharmacy Practice, is the recipient of the 2011 Distinguished Young Pharmacist Award from the Indiana Pharmacists Alliance. The Award was presented at the IPA Annual Meeting held on September 9, 2011.

Purdue University is part of a team of four universities chosen to participate in a \$1.8 million Howard Hughes Medical Institute project to create and share effective models for teaching interdisciplinary

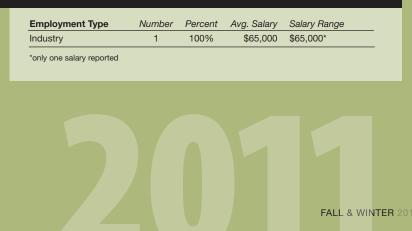


science, with Purdue faculty focusing on transforming the chemistry curriculum. Marc Loudon, Cwalina Distinguished Professor of Medicinal Chemistry, has been selected as the coordinator

for this project and also serves on the project's national executive steering committee. The grant funds a program called NEXUS: National Experiment in Undergraduate Science Education, and the goal of the program and its consortium is to completely rethink the basic science curriculum for prehealth profession and prebiology students with the goal of providing a competencybased curriculum. Loudon, along with Jean Chmielewski, A.W. Kramer Distinguished Professor of Chemistry, is working on developing the organic chemistry portion of the project. Chris Hrycyna, Associate Professor of Chemistry, has developed a rigorous, one-semester general chemistry course, also part of the project, that is currently taught to prepharmacy students. This enables the students to begin organic chemistry as second semester freshmen and stay on track for admission to the College after two years. Assoc. Professor David Sanders, Chair of the Curriculum Committee for Biological Sciences, is serving as a biological sciences liaison for the project.

You can read more about this program at http://www.purdue.edu/newsroom/ research/2011/110901LoudonHHMI.html. University News Service (September 1, 2011).

	Number	Percent
Students Surveyed:	13	100%
Responses:	12	92%
Committed Response:	7	58%
Employed:	1	14%
Continuing Education**:	6	86%
Undecided/Seeking:	5	42%
BSPS Employment Offers	Average 1	Range 1
Commitment Location	Indiana 3	Other 2



ALUMNI, STAFF & STUDENT ACTIVITIES

Welcome Back to Campus!

Purdue Marketing and Media created a video to welcome Purdue students, faculty and staff back to campus for the 2011 school year. You can view the video online at http://youtu.be/eldIJUpko3E. All hail to old Purdue!

Pharmacy Students Lead Crew Team

Written by Alaina Reynolds (2nd year Pre-Pharmacy student) In their current second professional year of Purdue's Pharmacy program, students Nathan Class and Shane Branscum are in their final year of eligibility for Purdue's Crew Team. Both students are Academic All Americans on the Varsity row team. They were awarded this title by keeping a high GPA while involved in a college sports team. Along with their intensive pharmacy courses, they have 6 or 7 two-hour practices a week and weekend competitions along with fundraising activities and community service. Nathan is currently Vice President of Crew where his responsibilities involve organizing the Rent-a-Rower fundraiser and other leadership and communication roles. Shane is currently Quartermaster with responsibilities involving recruitment, organization of boats on campus, and The Feast of the Hunter's Moon fundraiser. Both students have said their involvement in Crew has given them an outlet from the stress of school by keeping active. While they're highly involved in Crew, they're also exploring their different opportunities in the field of Pharmacy. Nathan's interest in pharmacy started due to its emphasis on patient care in the medical field and he is further exploring a career in clinical pharmacy. Shane originally became interested in pharmacy for its chemistry and biology focus and is working towards a career in nuclear pharmacy. Nate and Shane are looking forward to their final season and the new experiences this year of pharmacy school will have to offer.



(L to R) Shane Branscum and Nathan Class



Purdue Day at the Indiana State Fair

Purdue Day at the Indiana State Fair is noted for the strong black and gold presence and for the variety of Purdue exhibits, and the College of Pharmacy made their presence there on August 12, 2011. In addition to taking many blood pressures, the College's booth ran cholesterol and glucose screening on 275 individuals, did cardiovascular risk assessment on several, and educated several more on heartburn using a computer program written by third professional year pharmacy student Jess Christman. We also distributed literature provided by the Office of Student Services about the College's admission process to several interested youth.



Pharmacy First Nighter

On September 7, 2011 the College of Pharmacy held its annual Pharmacy First Nighter. The event, organized each year by the Pharmacy Student Council, attracted over 400 pharmacy students interested in learning more about pharmacy student organizations. Seventeen student organizations set up tables outside the pharmacy building to share information about their clubs. Representatives from CVS, the event's sponsor, were present to welcome students back to campus.



Rho Chi members Katie Spicer, Jon Weir, Natalie Winings, Katelyn Jensen, and Brett Pierce



Students enjoy the fellowship and the pizza



Class of 1961 Reunion Tour participants and students

Class of 1961 Reunion

The Purdue Alumni Association held its annual Alumni Weekend during September 16-17, 2011. This weekend is devoted to bringing Purdue alumni back to campus. Special activities are held during the weekend for all alumni with special activities for the 50th year reunion attendees. The College of Pharmacy partnered with the Purdue Alumni Association to bring back the Pharmacy Class of 1961. Thirty-four alumni and friends attended a luncheon on Friday while Dean Craig Svensson gave a brief update on the state of the College.

The College hosted a breakfast and tour of the pharmacy building on Saturday morning. Jane Krause, Clinical Associate Professor of Pharmacy Practice, along with three pharmacy students showed the 1961 alumni the new Pharmacy Practice Lab and the recently renovated Classroom 172. Alumni learned about the new curriculum, labs that the current students participate in, as well as the opportunities that students have with rotations and student organizations.



1961 Classmates Jane Gibson and Dorothy (Miller) Rishling

ALUMNI, STAFF & STUDENT ACTIVITIES

Pharmacy Women for Purdue

The College of Pharmacy hosted a Pharmacy Women for Purdue event on October 5, 2011 at the lovely home of Val Gaylor (BS 1979, PharmD 1985). Fourth professional year female students on rotation in the Indianapolis area were invited to learn more about residencies, interviewing skills, resumes and cover letters, as well as the art of negotiation from pharmacy alumnae. Professors Yaman Kaakeh and Jane Krause led the evening discussions. Shirley Paddock (BS 1990), Cathy Simmons (BS 1998), and Karin Beymer (BS 1988) provided advice and shared their experiences in each of the topics.



Pharmacy Women for Purdue



Reciting the Oath of the Pharmacist

Curtis Black

White Coat Ceremony The College of Pharmacy welcomed the Class of 2015 to the pharmacy family on September 11, 2011. Over a thousand people gathered in the Loeb Theater to witness this special ceremony as faculty assisted the class with their white coats. Curtis Black (MS 1976, PhD 1978), keynote speaker, shared stories of his time at Purdue and offered advice for the students as they move forward. Greg Fox said a few words on behalf of the program's sponsor, Kroger Company. Several alumni took turns at the podium offering congratulations, advice, and a warm welcome to the Class of 2015. The program ended with all pharmacy students, faculty and alumni reciting the Oath of the Pharmacist.

ALUMNI, STAFF & STUDENT ACTIVITIES



The Class of 1971 at the tailgate

Homecoming Weekend Festivities

The College of Pharmacy kicked off homecoming weekend with its annual Student and Alumni Chili Supper on October 21, 2011. Over 250 alumni and students attended the event and were treated to C' Ray's famous chili and vegetable soup. Several pharmacy student organizations had items for sell including beverage glasses, sweatshirts, candied apples, homecoming mums, and pharmacy pins made in Kenya. The event ended just in time to watch the Purdue Homecoming Parade.

The following day, the College welcomed over three hundred alumni, students and friends to its annual Homecoming Tailgate. Dean and Mrs. Craig Svensson greeted guests as they arrived at the tent and Multicultural Programs students welcomed them at the registration table. Sgt. Preston's catered great food and lots of coffee! As always, alumni enjoyed reconnecting with friends and former faculty throughout the weekend.



(L to R) Catie Neary with first professional year pharmacy students Elizabeth and Stephanie getting ready to go to the football game



Angela Davis, Manager of Stewardship and Donor Relations, wishes everyone a great time at the game as they leave the tailgate



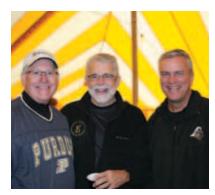
Norma King and Madonna Flemming, Class of 1958, enjoy the tailgate festivities



Multicultural Programs students served as hosts for the chili supper



Jim (BS 1977) and Darlene Branham pose with son Paul, a current pharmacy student, at the chili supper



Class of 1976 alumni, Bill Malloy, Steve Scott, and Steve Abel at the tailgate

CLASS NOTES

1930-1939

Samuel Arnett (BS 1936, MS 1937) celebrated his 100th birthday this year. Upon graduating, he took a job with Lilly in Indianapolis until his retirement. As the oldest living pharmacy alum, Sam's Boilermaker bloodlines run deep. His father, William Arnett, graduated in 1894 from Purdue in pharmacy. His son, David, graduated from engineering in 1964.



1940-1949

Donald Shaevel (BS 1948) writes that he is semiretired and is known as the "Pharmacist to the Stars." He established Don's Pharmacy in Palm Spring, CA, in 1967, offering a 24-hour courtesy delivery service if recommended by the doctor. Some famous customers included Elvis Presley, Mary Martin, Sydney Sheldon, Keely Smith, Frank Sinatra, Debbie Revnolds, and the Gabors. An alumnus of the Purdue marching band, he returned to campus for the 100th anniversary of making the "P" formation. Of the 384 members who participated, he was the second oldest. He and his wife. Geri. have been married for 58 years.

1960-1969

Bob Gibson (BS 1969) has retired after 42 years of filling prescriptions for Gibson County, IN. Bob began working for the former Shoptaugh Drug Store upon graduation from Purdue, and then began working for Gibson General Hospital in 1972 where he remained for 27 years. He joined Williams Brother's Pharmacy in Princeton in 1999, the year after they first opened, and officially retired in July. He says what he enjoyed most throughout the years as a pharmacist was interacting with and helping the people of Gibson County.

1970-1979

The Association for the Advancement of Medical Instrumentation (AAMI) is dedicated to advancing safety in medical technology. The 2011 AAMI Laufman-Greatbatch Prize was awarded to Timothy Vanderveen (BS 1970, MS 1972) for his accomplishments in leading innovations in IV infusion pump safety. "This prize recognizes the contributions made by so many of my clinical and industry colleagues as, collectively, we have made major improvements in patient safety related to the administration of IV infusion medications," he says. Tim now serves as Vice President of the San Diego, CA-based Center for Safety and Clinical Excellence, which was started by CareFusion to foster collaboration between industry and clinicians in identifying and promoting best practices in medical care and patient safety. You can read more about Tim and this award at www.aami.org/ publications/AAMINews/June2011/ awards.html (AAMI News: June 2011. Vol. 46, No. 6, "2011 Award Winners... Seven Honored for Contributions to Medical Technology").

1980-1989

Clyde Dayhoff (BS 1986) is pleased to announce his successful completion of the American Board of Family Medicine's Maintenance of Certification Examination. His re-certification by the Board confers a standard of excellence in knowledge and practice to physicians who not only certify via the examination process, but who also work diligently on the maintenance of these skills during the cycle between examinations.

Linda (Walters) McElhiney (BS

1984) has been accepted into the 2012 ASHP Pharmacy Leadership Academy and the Master of Pharmacy graduate program at the University of Florida which she began in January.



"This prize recognizes the contributions made by so many of my clinical and industry colleagues as, collectively, we have made major improvements in patient safety related to the administration of IV infusion medications."

1990-1999

Ann (Betts) Cooper (BS 1992) and her husband, Brian, moved their family to Bloomington for his work. Ann is employed as a PRN floater (still for Kroger). They have three daughters, Gabrielle (8), Rachel (5), and Megan (3).

Kelly DeBoy (BS 1999) shares that she joined Community Cooperatives Ministries Inc. as the delivered meals team leader.

Anthony (BS 1999, Agriculture) and **Kristi (Chickadaunce) Williams** (PharmD 2001) welcomed the birth of their third son, Drew Isaac, on November 5, 2010. He was welcomed home by brothers Cale and Blake.

2000-Present



Katie Allen (PharmD 2007) is happy to announce her marriage to Jon Jacob Hiles on September 4, 2011 in San Luis Obispo, CA.

Trung (MS 2001, Engineering) and **Erin Witte Chenh** (PharmD 2003) welcomed



the birth of their daughter, Hannah Grace, on October 22, 2011. The parents are doing great, and Matthew is ecstatic to be a big brother.

Rob and Kelly (McOmber) Marini

(PharmD 2003) announce the birth of their daughter, Abbie Lucia, born on August 29, 2011. She weighed 9 lbs, 2 oz and was 20 ½" long. She joins proud big brother Tyler who is now 3 years old.

Jason Miller (PharmD 2005) writes that he obtained a new position as Pharmacy Director for Behavioral Health Hospital. He and his wife, Lora, also welcomed the arrival



of their first child, Maddox Joseph, on August 3, 2011. He weighed 8 lbs and was 20 ½" long.

Erik (BS 2003, CFS) and **Susan (Wilcox) Moore** (PharmD 2003) welcomed their son, Clavton Philip, to the family on June 20.



2011, weighing 8 lbs, 8 oz and measuring 19 ¼". He joins big sister, Alli Marie.

Monica Randolph (PharmD 2011) is the recipient of the 26th Annual Mylan *Excellence in Pharmacy Award*. This award recognizes "academic achievement, professional motivation, and a demonstrated ability to communicate drug information." **Tom Seto** (PharmD 2011) was honored with the *E. Allen James Outstanding Undergraduate Award* at the 2011 Delta Sigma Phi Biennial Convention this past August.

Amanda (Valensi) Snyder (PharmD 2010) married Justin Snyder (BS 2008, Agriculture) on May 28, 2011 in Michigan.

Kelli (Wilson) Stroud (PharmD 2004) and her husband, Chad, welcomed Molly Noelle into the world on August 5, 2011. She weighed 7 lbs, 12.1 oz and measured



20 ¼". Molly joins big brother Carson (4) and big sister Macy (3).

Christopher and Ye Jin (Cho) Wickesberg (both PharmD 2002) announce the birth of their son, Theodore Henry, on October 28, 2011.



He and older brother Daniel (5) and sister Lucy (2) are well.

IN MEMORIAM

Theresa (Bennie) Bailey (BS 1976) Thomas Bonifield (BS 1950) Harriet (Wood) Bronnenberg (BS 1960) Vyto Damasius (BS 1969) Louis Daunora (BS 1958) Linda Hollis (BS 1981) Frank "Chip" Kodiak (BS 1966) John Lawson (BS 1981) Randall Mills (BS 1950) Joanne Deffendall Nanchy (BS 1947) John Nelson (BS 1938, PhD 1945) John Northrup (BS 1947) Susanne Peck (BS 1978) Anthony Pica (BS 1953) James Summers (BS 1976) Meinhart Zenk (BS in 1958, HDR 1991)

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://www.pharmacy. purdue.edu/update

OR

MAIL TO:	College of Pharmacy
	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 College of Pharmacy. 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**.



College of Pharmacy Purdue University Heine Pharmacy Building, Room 104 575 Stadium Mall Drive West Lafayette, IN 47907-2091





Mortar & Pestle

The Purdue College of Pharmacy E-Newsletter

One of the easiest ways to stay connected with the College of Pharmacy is to read about what's happening... provided you can't make it to campus to see first-hand all the excitement!

As you are aware, the College has two main publications, *The Purdue Pharmacist*, our magazine for alumni and friends, and our Annual Report. You can view these publications online at http://www.pharmacy.purdue.edu/advancement/publications/.

The College now has an additional way of keeping you connected. *Mortar & Pestle*, our electronic newsletter, was launched in November. Many of you have already had the opportunity to view it, but many haven't because we don't have a current e-mail address on record. If you don't want to miss out on all that is going on with the College, please send us an e-mail at **mortarandpestle@purdue.edu** so we can add you to our distribution list. You can view our first issue online at http://www.pharmacy.purdue.edu/newsletter.

Stay connected! Update your e-mail address with the College of Pharmacy!