

THE

SHOWGLOBE

WEST VIRGINIA UNIVERSITY SCHOOL OF PHARMACY | SUMMER 2015



BUILDING AND PRESERVING A COMMUNITY

Troy Biery, '88, loves restoring and preserving historic homes. But it's more than just restoring a structure. It's about preserving a community and honoring those who have made it so special.

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DEAN'S FAREWELL: A NOTE OF THANKS



As I finish my appointment as your dean for the last nine years, the most important thing for me to say is simply “THANK YOU.”

To my students, I'll always remember the joy you brought, almost on a daily basis. I reflect on watching you enter the School at the White Coat Ceremony to begin your studies and then again as you are preparing to enter real-world practice at your Commencement four years later.

Watching your metamorphosis from a student to a professional is one of the

greatest joys a faculty member and dean can have.

We have shared times of great joy, like at Phlag football games during American Pharmacists Month and at the Apothecary Ball, and we have also weathered times that may not have been as smooth, like finals week. But through it all, we have overcome the challenges and shared successes together.

To my faculty and staff “family” — I'm so grateful to you all. You are the heart of the School and give so much. Over the past nine years, we have collectively accomplished so much as evidenced by our U.S. News & World Report ranking. I know you will continue to develop the programs in the School and help it achieve even higher rankings. My dream was to give West Virginia a top 25 School of Pharmacy, and now it's up to you to make that dream come true.

To our almost 4,000 alumni thank you for your friendship and support. It has been wonderful meeting alumni, learning about pharmacy in the state of West Virginia and what the School was like when you were students. It has also been fun reconnecting with alumni who graduated while I have been the dean. It has been great seeing what you have been doing since your graduation. I hope the Showglobe has brought you fond memories of your time at the WVU School of Pharmacy. I have enjoyed meeting and seeing you at our receptions at national pharmacy meetings, such as ASHP and APhA, and I hope you will continue to stay connected with us.

I would also like to say a special thank-you to the School's Visiting Committee. This incredible group of national leaders has been a critical part of advancing this School. Their support of our faculty, staff and students has been unwavering. Their input has been important not only to the School, but to also changing the future of pharmacy education and preparing our students to be leaders in the profession.

And finally, to my husband of 45 years, Jim, and my entire family — your love and support has made the hard days easier and your incredible patience in listening to my problems has made the difference in my life. I love you.

Patricia A. Chase, Ph.D.
Dean Emeritus



Awards and Honors



(l-r) Dr. Katie Kacmarik presents Dr. Ginger Scott with the 2015 OMCPA Pharmacist of the Year Award

SCOTT RECOGNIZED BY OMCPA

Ginger Scott, R.Ph., Ph.D., professor in the Department of Pharmaceutical Systems and Policy, was recognized as the 2015 Pharmacist of the Year by the Ohio-Marshall County Pharmacists Association.

Dr. Scott is also the director of the Office of Continuing Education at the School of Pharmacy. Her professional interests include outcome research related to pharmacy services, assessment of postgraduate educational programming, issues related to hospital pharmacy, and economic evaluation of pharmacy services and pharmacotherapy.

A member of the WVU faculty since 1994, Scott is dedicated to bettering pharmacy care of patients through continued efforts to improve medication error reduction and patient safety, and methods to redesign pharmacies for optimal care. Her focus for continuing education has been to offer programming to enhance the knowledge and skills of pharmacists to provide better pharmacy care for the citizens of West Virginia.

“The Pharmacist of the Year Award is selected via nomination and voted upon by members during monthly meetings,” Katie Kacmarik, president of OMCPA said. “While Ginger is not a local pharmacist, our officers, members and the seminar committee felt very strongly that it was time to recognize Ginger for her outstanding dedication to OMCPA over the years. The Ohio-Marshall County Pharmacists Association will be forever indebted to her for her unyielding efforts over the past 18 years for both monthly meetings and the Annual Spring Seminar. West Virginia University, the School of Pharmacy, pharmacy organizations and the pharmacists of West Virginia are fortunate to have such an endearing and committed individual working to educate the community of students, pharmacy technicians and pharmacists across our state.”

Scott received the award at the Ohio-Marshall County Pharmacists Association’s spring seminar in March. //



(l-r) Dr. Mark Garofoli and Dr. Gretchen Garofoli, with Gretchen’s parents, Denise and Peter Kreckel

GAROFOLI RECEIVES DISTINGUISHED NEW PRACTITIONER AWARD

Gretchen Garofoli, Pharm.D., clinical assistant professor in the Department of Clinical Pharmacy, was selected as the recipient of the American Pharmacists Association’s 2015 Distinguished New Practitioner award.

The Distinguished New Practitioner award recognizes a pharmacist within the first five years of professional practice who has contributed to the development of student pharmacists, has been active in service to the community, has participated in professional and APhA-related activities, and has made an impact on the profession of pharmacy through professional achievements.

“We are extremely proud of Gretchen and all that she has done for the School, our students and the community,” Terry Schwinghammer, Pharm.D., professor and chair of the Department of Clinical Pharmacy said. “Her enthusiasm for the profession of pharmacy and dedication to helping others is evident through her work with students and outreach to our community. Gretchen is truly deserving of this award.”

Dr. Garofoli’s areas of interest include diabetes management, medication therapy management, immunizations, compounding, and program development and implementation in the community pharmacy setting. Her current practice site is Waterfront Family Pharmacy in Morgantown where she focuses on diabetes care, immunizations and medication therapy management. Garofoli was presented with the award during the APhA Annual Meeting and Exposition March 27-30 in San Diego. //



MESSAGE FROM THE INTERIM DEAN

With Dr. Chase stepping down as dean this summer, Dr. Clay Marsh, vice president and executive dean of health sciences, asked me to serve as Interim Dean of the WVU School of Pharmacy.

I have to admit, when Dr. Marsh asked me this, I experienced many emotions in just a few seconds: anticipation at serving our students and alumni in this role, nervousness when thinking about the responsibility — “with great power comes great responsibility,” did run through my head — and then excitement at the thought of being able to help our faculty and staff continue the path of excellence we are paving for our School. My only reply for such a privilege was, “Yes.”

During the search period for the new dean, I will still be serving as Associate Dean for Academic Affairs and Educational Innovation. We will continue to move forward with important School initiatives, including the design and implementation of the new Pharm.D. curriculum and the completion of the self-study for the reaccreditation of the Pharm.D. program.

Words cannot express how honored I am to serve the School as your Interim Dean. While this may only be for a short period of time, I will do my best to make you proud of your alma mater. I look forward to your thoughts and input on how we can work together to advance the School during this transition period.

Sincerely,

Mary K. Stamatakis, Pharm.D.

LEARNING DISASTER PREPAREDNESS



Student pharmacists of the WMD Task Force display their member designation jackets

On April 15, pharmacists and students gathered at the WVU School of Pharmacy for Weapons of Mass Destruction (WMD) Task Force Training. **Elizabeth Scharman, Pharm.D., professor in the Department of Clinical Pharmacy – Charleston Division**, and director of the West Virginia Poison Center, is the deputy Strategic National Stockpile (SNS) coordinator and conducted the training session.

The purpose of the WMD Task Force Training was to give pharmacists the training, knowledge and information required in order to participate in the implementation of an SNS plan at their place of work or in their communities.

Seventeen pharmacists and 18 student pharmacists were trained to carry out the steps needed to administer different types of medications in the event of a biological or chemical weapon attack. If such an event were to take place, Task Force members will be called upon to volunteer at mass dispensing or vaccination clinics, answer calls from the public following an event and recognize potential exposure to biological or chemical agents.

Attendees received information about smallpox, anthrax, Ebola, ricin, nerve agents, and vaccinations and treatments associated with these potential WMD agents through a series of lectures and hands-on activities.



LEARNING TO COMPOUND WITH CONFIDENCE

Twenty-seven student pharmacists participated in a weekend Introductory Compounding Laboratory Boot Camp provided by PCCA. The Boot Camp took place in the Mylan Center for Pharmaceutical Care Education at the Health Sciences Center on February 6 and 7.

Madison Peach, Pharm.D., R.Ph., academic affairs pharmacist at PCCA, instructed the students through a variety of compounding activities, including the creation of carbomer gels, methocel gels, foam cleansers, lip balms, lollipops, troches, oral suspensions, capsules and more.

Dr. Peach also provided the students with information about careers in compounding specialty practice.

“The Boot Camp is a wonderful opportunity for students to obtain a foundation in the basics of compounding as well as practice compounding techniques,” she said. “We hope to show students that compounding can be a valuable and rewarding career path. It’s a very interesting field of pharmacy where we see a lot

of unique patients and disease states that usually require creative problem-solving.”

To provide an example of some of the unique patients and creative thinking one might see in compounding, Dr. Peach told the student pharmacists a story about a compounding colleague who was contacted by a zoo for some help with a problem patient. A large rhino had developed a foot abscess and didn’t want to take his medications. He needed a very large dose of oral antibiotics, and the zoo was grinding up a large quantity of tablets to sprinkle on the rhino’s food. It was a very bitter drug, and the rhino wasn’t eating the food. Being creative and thinking outside the box, the compounder ended up making a few large Rice Krispies treats containing the medication. Each was about 4 feet by 4 feet. The keepers cut them into smaller pieces, and the rhino loved the treats.

Melissa Hood, Class of 2015, of Follansbee, West Virginia, thought the Boot Camp was a success and that it provided the

students who participated with a wealth of information.

“The PCCA Compounding Laboratory Boot Camp interested me because I enjoyed our introductory compounding class at the School, as well as my experience with compounding in the community,” Hood said. “I have compounded previously, but was interested in obtaining my certificate of completion to expand on the services I will be able to provide after graduation. Compounding serves as both a great niche for your independent store, as well as filling a gap in patient care. It is rewarding to see the appreciation from patients when they receive a medication they may not otherwise have access to for themselves or even their pets. The PCCA Boot Camp was a great experience.”

At the end of the weekend Boot Camp, the students were awarded certificates of completion for their training in the introductory course. /

WVU PH.D. STUDENTS RECEIVE NATIONAL RESEARCH FELLOWSHIPS

Aric Logsdon of Meadville, Pa. and Brandon Lucke-Wold of Colorado Springs, Colo., each received American Foundation for Pharmaceutical Education (AFPE) 2015 Pre-Doctoral fellowship awards in the amount of \$10,000 to help fund their education and research. They competed with approximately 200 other applicants from schools and colleges of pharmacy across the United States. AFPE awarded 24 pre-doctoral fellowships for the 2015-2016 academic year.

AFPE fellowships are awarded to outstanding pre-doctoral students who have completed at least three years of graduate study, and encourage recipients to continue their pursuit of pharmaceutical sciences.

Logsdon, a Ph.D. student in the WVU School of Pharmacy Pharmaceutical and Pharmacological Sciences program, is investigating cellular stress mechanisms after traumatic brain injury — or TBI — and their potential link to neuropsychiatric symptoms.

In his prior research, Logsdon discovered that endoplasmic reticulum stress in the brain after concussion may lead to impulsive-like behavior in a rodent model. Neuropsychiatric symptoms, such as mood disorders, risk-taking behavior and impulsivity are common amongst

retired athletes and members of our nation's military. His continued research will focus on developing therapeutic options that, if given after TBI, may help to reduce neuropsychiatric symptom development.

"It often takes a while for neuropsychiatric symptoms to develop after traumatic brain injury," Logsdon said. "For example, a concussion from an improvised explosive device — or IED — could take 20 years for a warfighter to develop neuropsychiatric symptoms. If we can create a therapy or treatment option for an individual after TBI, then maybe we can reduce the negative behavioral effects."

Logsdon is completing his research under the mentorship of **Jason Huber, Ph.D., associate professor in the WVU School of Pharmacy Department of Pharmaceutical Sciences**. Logsdon received his bachelor's degree in neuroscience from Allegheny College. He anticipates graduating with his Ph.D. in May 2016 and hopes to pursue a research career in biotechnology or to join a team of researchers in a small start-up company.

Brandon Lucke-Wold, an M.D./Ph.D. student in the WVU School of Medicine Neuroscience program, is researching

supplements with antioxidant properties that are already on the market and how these supplements can be used to treat those who have experienced a concussive event.

Specifically, he is researching liponic acid and how it could prevent brain cell death and decrease the likelihood of impulsive behavior if an individual were to take this treatment after an injury and continue use. His continuation of this research will allow him to understand and target mechanisms that can be used to develop treatment options.

"We want to develop a more targeted version using the metabolites of this supplement that will, in essence, get into cells better and block the next steps of the effects of a traumatic brain injury," he said. "The ultimate goal is to get this research to a stage where we can start helping patients."

Lucke-Wold is completing his research project in the lab of Charles Rosen, M.D., Ph.D. Lucke-Wold received his bachelor's degrees in science and neuroscience from Baylor University. He plans to finish his studies at the WVU School of Medicine and pursue a residency in the field of neurosurgery.

WVU HEALTH OUTCOMES RESEARCH PH.D. STUDENTS RECEIVE ACCOLADES AT INTERNATIONAL MEETING

The WVU student chapter of the International Society of Pharmacoeconomics and Outcomes Research (ISPOR) received second place for the Outstanding Student Chapter Award at the ISPOR 20th Annual International Meeting held May 16-20 in Philadelphia.

Ph.D. students **Rahul Garg**, chapter president; **Doug Thornton**, vice president; **Arijita Deb**, secretary; and **Rashmi Goyat**, treasurer, along with their chapter advisor, **Dr. Kimberly Kelly, associate professor in the WVU School of Pharmacy Department of Pharmaceutical Systems and Policy**, accepted the award. Of the approximately 130 ISPOR student chapters from around the

world, 18 chapters were eligible and applied for this award. Student chapters were judged on their level of year-round activities, which included educational activities, volunteerism, membership outreach and social events.

The students from the WVU ISPOR chapter and their mentors also submitted a total of 23 research posters for the research competition. Out of over 1,600 research abstracts presented, three of the WVU posters were chosen as finalists for presentations.

Rituparna Bhattacharya received an Outstanding Research Poster Award for her research, "Does Treatment for Newly-Diagnosed Depression Reduce Healthcare

Expenditures among Medicaid Beneficiaries with Type 2 Diabetes Mellitus?" Bhattacharya conducted her research under the mentorship of **Dr. Usha Sambamoorthi, professor in the WVU School of Pharmacy Department of Pharmaceutical Systems and Policy**.

Rashmi Goyat and **Traci Jo LeMasters** were finalists in the competition. Goyat presented her research, "Pre-existing Type 2 Diabetes Mellitus and 5-year Mortality among Medicare Beneficiaries with Colorectal Cancer." LeMasters presented her research, "Determinants for Guideline Concordant Care among Elderly Women with Stage I-III Breast Cancer in a SEER-Medicare Population."

Pharm.D. Student News

On April 2, the WVU chapter of the **Academy of Managed Care Pharmacy** hosted a discussion by Dr. Alyssa Hawranko, senior medical science liaison at AstraZeneca. Dr. Hawranko presented information about a variety of career options, including MSL positions, available to Pharm.D. graduates.

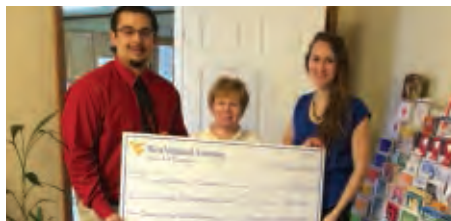
The WVU chapter of the **American Pharmacists Association-Academy of Student Pharmacists** participated in a number of community outreach activities during the 2014-2015 academic year. The largest event was a health fair in McDowell County, W.Va. The student pharmacists provided blood pressure, blood sugar, and blood pressure screenings, as well as information on tobacco awareness, immunizations, diabetes, seasonal allergies, cold and flu, and mental health. Approximately 200 community members were reached at this event.

Kappa Psi hosted the 7th Annual School of Pharmacy Variety Show on April 1 and raised \$1,100 for the Mary Babb Randolph Cancer Center's Comfort Fund.



(l-r) WVU student pharmacists Jessica Daniels and Olivia Kinney; Jessica Markley, MBRCC medical social worker; and WVU student pharmacists Valerie Elder and Bobbie Jo Julian.

Kappa Psi hosted their second annual Golf Scramble on April 25 and raised \$1,000 for the American Red Cross.



Kappa Psi also hosted a benefit dance and raised \$450 for Caritas House. (l-r) Derek Puhalla, Sandra Headley of Caritas House and Jessica Zook

The Alpha Omicron chapter of **Lambda Kappa Sigma** once again coordinated the School of Pharmacy Relay for Life team. This year, the team raised \$6,202.07 for the American Cancer Society.

In honor of Pi Day on March 14, LKS sponsored a pie tasting event. Attendees donated \$5 to sample the desserts at the event, which benefitted Project Hope, an organization that provides healthcare supplies and training to various areas around the world.



LKS also hosted Hygeia Day on March 15. W. Clarke Ridgway, professor emeritus, was the invited guest and spoke to current members and the Alpha Omicron chapter alumni.

CLASS OF 2018 By R. J. Jacobs



(l-r) Tori Zambito, Bethany Moore, Catalina Saenz and RJ Jacobs

Bethany Moore, Catalina Saenz, Tori Zambito and RJ Jacobs designed the winning poster in the WVU Health Sciences Center Diversity Week competition held October 2014. The theme of the posters centered on responding to the statement "what diversity means to our school/department with regards to healthcare." Twenty-nine of the 82 first-year students provided their thoughts regarding diversity, and their quotes were shared on the



Newly initiated **Phi Lambda Sigma** member **Dr. Jon Wietholter, Department of Clinical Pharmacy**, helped the PLS/SoP team raise \$1,028 for Special Olympics WV by taking the Polar Plunge. For the full Polar Plunge album, visit our Facebook page.

The Alpha Mu chapter of **Rho Chi** hosted the 51st Annual Gordon A. Bergy Lecture on April 20. David D. Allen, Ph.D., dean of the University Mississippi School of Pharmacy, was the invited speaker.



(l-r) Dr. David D. Allen with student pharmacists Benny Winland, Cameron Harmon, Alexandria Robinson and Alexandra Greco

group poster. One student shared, "Patients from all walks of life require healthcare, so it is important that the healthcare system be just as diverse as the patients we strive to help ..." In addition, the poster included state, national and world maps with thumbtacks identifying the hometowns of each member of the Class of 2018. Ten states and five countries were represented.



(l-r) Nicole Farabaugh and Kayla Mitchell

The 2014 Clinical Skills Competition teams

SSHP: BUILDING CLINICAL SKILLS

By Kelsea Fickiesen, Class of 2017

As an American Society of Health-System Pharmacists (ASHP) recognized student chapter, the WVU Student Society of Health-System Pharmacists (WVU SSHP) strives to provide its members with opportunities for clinical and professional development. In the past year, WVU SSHP hosted several community and school events, and a few members were able to participate in activities at the national level.

The WVU chapter participates in the annual ASHP Clinical Skills Competition by organizing a school-level contest that enables students to showcase clinical knowledge and understanding. Open to both SSHP members and non-members, students in their third or fourth year of the curriculum are eligible to enter. Teams of two students are responsible for reviewing a patient profile and developing a written plan of care within a two-hour time frame. Each team must then present a brief description of their pharmacist's care plan to a panel of judges. Winners of the school competition are awarded free registration to compete at the national level. **Nicole**

Farabaugh and Kayla Mitchell, both members of the Class of 2015, represented WVU in the ASHP Clinical Skills Competition at the ASHP Midyear Clinical Meeting in Anaheim, Calif., last December.

WVU SSHP often partners with fellow student organizations to host events that are beneficial to student development. In October 2014, the chapter collaborated with the WVU chapters of the American Pharmacists Association-Academy of Student Pharmacists and the National Community Pharmacists Association to coordinate the School's participation in a free community health exposition at the Morgantown Mall. This event gave students the opportunity to educate the public on important health issues such as immunizations and tobacco cessation. The student volunteers conducted more than 150 health screenings that included cholesterol and diabetes screenings.

Aside from chapter-driven initiatives, individual members have been active in representing WVU SSHP on a higher platform. **Cassie Stewart, a member of the Class of**

2015 and past chapter president, completed an experiential rotation at the ASHP headquarters in Washington, D.C. She described her experience on this ASHP rotation as "eye-opening, encouraging and rewarding."

"By being on rotation at a national association, student pharmacists receive experiences and opportunities not available on other rotations," Stewart said.

During the rotation, Stewart took part in developing ASHP's first-ever Student Advocacy Training and Legislative Day, while also updating the organization's main website and social media accounts. **Sheng Da Ma, a member of the Class of 2016** and 2015 chapter president, also made an appearance on ASHP's website as he was selected for a Student Leader Spotlight that described his leadership history and future aspirations.

Though SSHP and its members were quite active this year, the organization is always looking for ways to expand. The chapter would like to increase membership and pursue more opportunities for community involvement and professional development. **///**

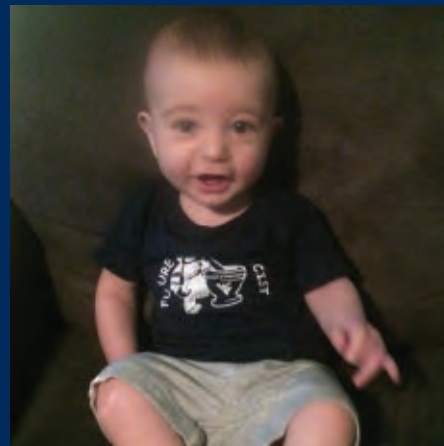
Future Pharmacists



Dr. Vince Anido, '75 R.Ph., '78 M.S., is proud to present his Future Pharmacist granddaughter, **Charlotte Nicholls**.



Kim Arbaugh, '97, and her husband, Steven, are proud to present their Future Pharmacist, **Levi Tate Arbaugh**.



David Honkonen is the Future Pharmacist of **Marcella (Hoyland) Honkonen, '09**.



Macy Reese McMillan is the Future Pharmacist of **Ashlee (Weitzman) McMillan, '09**, and her husband, Brian. Macy joined big brother Connor in November 2014.



Jeremy and Leesa (Shine) Prunty, both '11, present their Future Pharmacist, **Gianna Louise**. Gianna joined big brother Ryker in June 2015.



Travis Skinner, '06, and his wife, Melissa, are proud to announce the birth of their daughter and Future Pharmacist, **Adelyn Brooke**, on May 25, 2013.

Calling all new moms, dads and grandparents! Have you recently had a little bundle of joy arrive at your home? The School of Pharmacy wants to know! Please send an email with news about your baby or grandchild to Dr. Mary Stamatakis at mstamatakis@hsc.wvu.edu to receive a "Future Pharmacist" baby shirt (shirt is only available in size 6 months). In exchange, Dr. Stamatakis asks that you send a photo of your new "Future Pharmacist" to include in the next issue of The Showglobe.

STUDENTS LEARN ADVOCACY FOR THEIR PROFESSION

By Colleen Lewis



BETSY ELSWICK

Grant Nugent, Zach Griffith, Cynthia Hager, Emily Stewart, Dr. Debbie Bourquin, Michelle Magyer, Yasmine Zeid, Kelsea Fickiesen, and Devon Shadrick

As healthcare continues to change, it is imperative that pharmacists ensure they have a seat at the table. WVU School of Pharmacy students taking the Leadership and Advocacy elective learn firsthand what is required to ensure the continued success and advancement of their profession.

Since 2009, **Betsy Elswick, Pharm.D., '02**, has been teaching student pharmacists to accept the mantle of responsibility for their futures and make certain the issues affecting their colleagues are heard. The primary focus of this class is developing the students' leadership skills as advocates for the profession of pharmacy and patient care. With issues such as recognizing pharmacists as healthcare providers, the importance of this course cannot be stressed enough.

Through the course, students take trips to the State Capitol and Washington D.C., and are encouraged to use these opportunities to speak with their representatives to learn more


about how issues are addressed in session. In turn, students have the chance to educate representatives and legislators about why the role and responsibilities of pharmacists are essential to successful healthcare practices.

Yasmine Zeid, a current third-year student from Huntington, W.Va., is one such student that this class has positively influenced.

"As students, we are so busy trying to balance studying, extracurricular activities and work that we don't necessarily have the time to keep up with legislation and policy regarding the pharmacy profession," Zeid said. "Prior to taking this class, I barely had any knowledge about what provider status even meant, but by the end of the semester, I was speaking with legislators in Charleston and in Washington, D.C., about H.R. 592."

Jeremy Prunty, Pharm.D., '11, clinical assistant professor in the Department of Clinical Pharmacy, took the elective when he was a student. The information he learned

helps him today not only in his career, but in his professional affiliations as well.

"The Leadership and Advocacy elective was filled with dynamic and important information, experiences and lifelong lessons," Dr. Prunty said. "I use the material covered in the elective on a daily basis to work as a team member, lead pharmacy endeavors and promote the profession in the most positive way possible. Examples of where I have found this elective most useful is in being a part of the two state pharmacy associations' board of directors where we advocate for the profession and cultivate pharmacy practitioners. The drive to learn more about leadership found during the elective has driven me to continue reading leadership theories and material to constantly self-evaluate and improve myself. If given the option to take the course again, I would in a heartbeat!" 

CHANGING THE VIEW ON MENTAL HEALTH

By Amy Newton



Just as an architect knows that it is necessary to have a solid foundation and internal structure to build a skyscraper, in the world of healthcare, research plays a vital role in laying the groundwork for patients to have better health outcomes.

Usha Sambamoorthi, Ph.D., is a health economist and a professor in the WVU School of Pharmacy's Department of Pharmaceutical Systems and Policy. The focus of this department is health outcomes research, which relates to studies of patient care to determine if they are receiving safe, rational, high-quality and cost-effective healthcare services.

Dr. Sambamoorthi's research efforts target mental health and the healthcare needs of these individuals. While much of her work is collecting and analyzing data on a national level, this information can be applied to the state of West Virginia to see where additional care — and what type of care — is needed for patients.

The next steps in Sambamoorthi's

research is taking these findings and presenting the information to policymakers in order to make changes in how care is provided to patients. In her collaborative research efforts, Sambamoorthi works with investigators throughout the Health Sciences Center including in the WVU School of Dentistry; WVU Center for Neuroscience; WVU School of Public Health; the Mary Babb Randolph Cancer Center; and the Benedum Foundation funded Health Outcomes and Policy Evaluation (HOPE) Center in the West Virginia Clinical and Translational Sciences Institute to build capacity, collect and analyze data in the state of West Virginia.

"Through this collaborative research, we are going to find out what these patients need and how we can help them," Sambamoorthi said. "Then, after we build this repository of information, we will take this to policymakers to discuss the needs of the patients."

While Sambamoorthi's research ultimately focuses on better health outcomes for patients, she also hopes to bring to light the connection between mental and physical health issues.


"When we think of health issues, we think of physical health, but the mental health aspect is often ignored," she said. "We cannot separate these health issues. If a person comes in with depression, they are not screened for diabetes; if they come in with diabetes, we may not screen for depression. It's not enough to treat the physical illness alone."

Her commitment to conducting research to raise awareness of the physical-mental connection of healthcare — a connection that cannot be disregarded in a patient's treatment — stems from experiences in both her personal and professional life. Sambamoorthi saw at a young age how a lack of knowledge, along with the stigma of mental illness, can cause the diagnosis and treatment of mental health issues to be ignored. Later in life, she worked with mothers during pregnancy where she

saw the effects of postpartum depression, and then worked with patients diagnosed with life-threatening illnesses, such as AIDS, and chronic diseases, such as HIV, diabetes and other physical health conditions, where she once again saw incidences of depression.

The connection between physical health and mental health goes both ways. Physical health can affect a patient's mental health, but mental health can lead to physical health conditions, as well. Sambamoorthi stated that stressors of day-to-day life can worsen physical health and lead to a decline in mental health. An example she provided to show the connection of mental and physical health is economics. In West Virginia, poverty can be a stressor in the lives of patients. If patients cannot afford to pay their bills, they may not have enough money to pay for their medications. This causes a decline in physical health, which can lead to a decline in mental health. By taking into consideration the health conditions, healthcare needs, economics, access to care and other factors, healthcare providers will have a better understanding of a patient's needs and be able to provide treatment accordingly.

"My research shows that you must approach the health of a patient holistically — the patient is the center of treatment, not the disease," she said. "To move the needle on healthcare and mental health care, you need to see the overall picture."

Commenting on Dr. Sambamoorthi's work, **Dr. S. Suresh Madhavan, professor and chair of the Department of Pharmaceutical Systems and Policy**, said, "Usha is a star faculty who has accomplished so much in the five years that she has been at WVU. She is a prolific research publisher and an American Public Health Association award-winning mentor of graduate students and junior faculty. We are fortunate to have such a person of her caliber at WVU." 

WVU SCHOOL OF PHARMACY HEALTH OUTCOMES PH.D. PROGRAM CELEBRATES SILVER ANNIVERSARY

PHOTOS BY BOB BEVERLY AND AMY NEWTON



The WVU School of Pharmacy's Health Outcomes Research graduate Ph.D. program held a celebration on October 24 and 25, 2014 in observance of the program's silver anniversary.

"It is hard to believe how the program has grown from enrolling our first student in 1989 to the present day with the 15 Ph.D. students that we have in various stages of Ph.D. completion," said **S. Suresh Madhavan, Ph.D., M.B.A., professor and chair of the Department of Pharmaceutical Systems and Policy** and founder of the program.

The program began in 1989, at which time graduate students joined the Ph.D. program in Pharmaceutical Sciences with a track in Behavioral and Administrative Pharmacy. In 1997, the study concentration and title of the track was changed to Health Outcomes Research. Students now receive a degree in Pharmaceutical and Pharmacological Sciences with a focus in Health Outcomes Research.

Health services research focuses on structure, access, cost, quality and outcomes of healthcare services. Within health services, health outcomes research focuses on the ultimate outcomes of care, such as the impact of treatments on decreasing morbidity and mortality of diseases, increasing patient health-related quality of life and satisfaction with care, cost effectiveness of treatments and services, and the intended and unintended consequences of health policies. The program is administered through the School's Department of Pharmaceutical Systems and Policy.

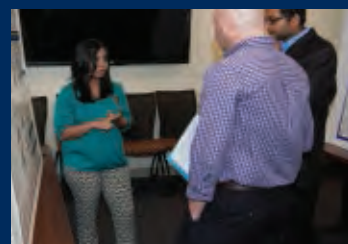
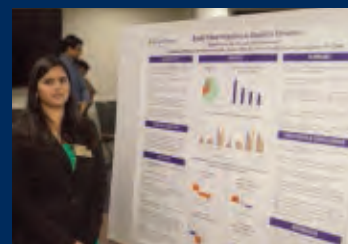
Over the past 25 years, 30 students have graduated from the Health Outcomes Research Ph.D. program and have advanced to successful careers in academia, the pharmaceutical industry, clinical research organizations and the federal government.

"Our graduates typically have job offers from multiple sources, and their demand is a testimony to the high-quality training that our dedicated faculty provide, and the accomplishments of our alumni who have made a name for themselves and the program nationally," Dr. Madhavan said.

For the celebration, program alumni and current students were invited to a weekend of activities that included a celebration dinner, career panel discussion and a student research poster presentation competition judged by alumni.

PH.D. ALUMNI

Mayank Ajmera
 Ambarish J. Ambegaonkar
 Mayur Amonkar
 Abhijeet Bhanegaonkar
 Sandipan Bhattacharjee
 Kimberly Blake
 Rohit Borker
 Jarrett Coffindaffer
 Anna D'Souza
 Ancilla Fernandes
 Xin Gao
 Prasanna Gore
 Mariam Hassan
 Ashish Joshi
 Iftekhhar Kalsekar
 Khalid Kamal
 Rahul Khanna
 Reema Mody
 Aiman Momani
 Pramit Nadpara
 Vivek Pawar
 Andrea Pfalzgraf
 Rao Pippalla
 Krithika Rajagopalan
 Pallavi Rane
 Anuja Roy
 Neel Shah
 Murali Sundaram
 Ami Vyas
 Tricia Lee Wilkins



MENTORS

Mayur Amonkar
 Tom Bias
 Vijit Chinburapa
 Nilanjana Dwibedi
 Joel Halverson
 Carol Harris
 Jan Kavookjian
 Kimberly Kelly
 Suresh Madhavan
 Lesley Ann Miller
 David Nau
 Folakemi Odedina
 Xiaoyun Pan
 David A. Riley
 S. Alan Rosenbluth
 Usha Sambamoorthi
 Ginger Scott
 Michael Smith
 Cindy Tworek



MILESTONES

1988

Plans for a Ph.D. program in Behavioral and Administrative Pharmacy announced

1989

Ph.D. program began – degree was in Pharmaceutical Sciences with a track in Behavioral and Administrative Pharmacy

1994

First Ph.D. graduate – **Dr. Rao Pipalla**

1997

Changed from Behavioral and Administrative Pharmacy track to Health Outcomes Research track

2004

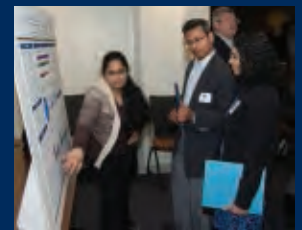
10th Ph.D. graduate – **Dr. Iftexhar Kalsekar**

2009

20th Ph.D. graduate – **Dr. Andrea Pfalzgraf**

2014

30th Ph.D. graduate – **Dr. Mayank Ajmera**



BUILDING AND PRESERVING A COMMUNITY

Home. Some say it's a structure — a building, the house where one can hang a hat, eat a meal and rest a head at night. Some might say that's where they raise their families, build relationships with the people they love and care about, and where they celebrate holidays and reunions with family and friends. For **Troy Biery, '88**, "home" is not just about the house, it's about community.

PHOTOS BY AMY NEWTON

Biery, Pharmacy Manager at Rite Aid in Barnesville, Ohio, has a special place in his heart for his hometown, the village of Morristown, where he has undertaken an effort to restore and preserve the historic fabric of this small town that is actually older than the state. To say the daunting task of saving historic structures is a hobby would be an understatement considering the investment of time, resources and the sheer scope of work involved. Biery says satisfaction comes in knowing that he is helping the community. "By restoring these homes and buildings, I am preserving both the materials and skills of the craftsmen of an era and making my community a better place to live today," he said.

So, what sparked this interest? Living in Virginia with a brother who subscribed to Preservation magazine, Biery read restoration

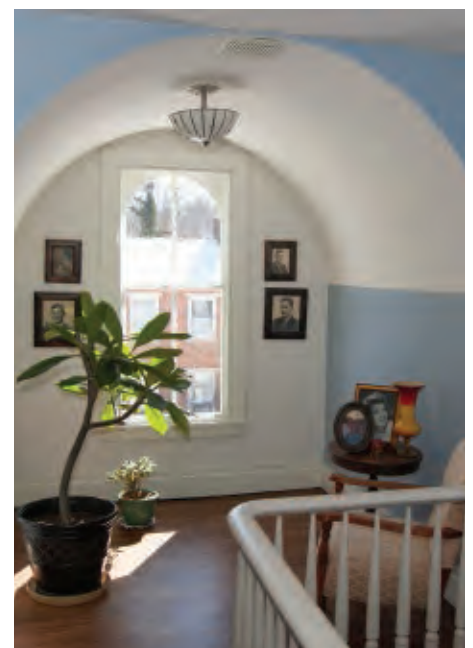
stories that inspired him to pursue a bachelor's degree in historic preservation.

"I graduated with my degree in early September (1995) and by the end of the month, I had purchased my home," he said. That 1847 wood balloon frame house in Morristown was his first restoration project.

Biery set to work making his home livable room by room, restoring original elements like floors and moldings, and incorporating modern features in baths and the kitchen.

Biery says, "When your project is your own home, the project is never truly complete," but twenty years of improvements have made this home a showcase featured several times in the Morristown Christmas Tour of Homes.

In addition to his home, Biery has completed work on an 1841 brick and stone home and renovated a 1970 vintage duplex manufactured home. Still in the works are





an 1885 brick two-story that was a Masonic Lodge, an 1840s wood-frame Greek revival, and an 1840s brick Federal style house with a 1920s Arts and Crafts addition. There is also the 1867 Morristown Bank that needed a new foundation to keep it from falling down. At least the old bank safe — it was empty — came with the building.

“To me, it’s really interesting to think about the people who originally built these structures and the labor put into them,” Biery says. “If you stand in my attic, you will see the entire wood frame is held together by joints and pegs, but no nails. That’s amazing.”

In the 1980s, an early advocate of Morristown’s historic value, Margaret “Peg” Dankworth, founded the Morristown Historic Preservation Association (MHPA) to encourage restoration of the village as one way to improve the community. An active MHPA member, Biery was the association president

during Morristown’s bicentennial in 2002 and led the planning and coordination of a full year of events and activities, including the region’s first Hot Air Balloon Festival. Biery also oversaw the launch of a website, designed by a then 13-year-old computer prodigy. This work was recognized with an Ohio Historic Preservation Education Award. The successor site today, morristownohio.com, provides

water and sanitation to local residents who had gone far too long without . . . and that single project continues to make possible economic development in the entire western end of our county, benefitting surrounding communities as well.” Recently, Biery led the village in writing and passing its first zoning ordinance.

As for why he fills his time with such dedication to both the past and future of his community, Biery says, “I work on the buildings I’ve acquired with the same intent I had when starting our family scholarship in the WVU School of Pharmacy. I

“By restoring these homes and buildings, I am preserving both the materials and skills of the craftsmen of an era and making my community a better place to live today.”

visitors with a wealth of information about the history of the village, as well as current events.

Even a historic village needs to have, or develop, and maintain basic infrastructure to keep a community safe and thriving. Biery worked in support of grants for a project that brought over \$1.5 million in such improvements to his community. “Most importantly,” he says, “it provides safe drinking

want to honor the people and places that have influenced the person I have become; and to do my part to improve or make sound these structural pieces of history. We are all caretakers in a sense; and for me, that opportunity is a privilege.”



ALUMNI GIVING BACK THROUGH NEW EXPERIENTIAL LEARNING SITE

By **Collen Lewis**



(l-r) P-4s Sheng Da Ma and Adam Shoop with Dr. Casey Yokum

In June 2015, Mountaineer Pharmacy opened its doors to provide care to WVU students and the Morgantown community. The pharmacy is conveniently located in the newly constructed WVU Health and Education Building and within walking distance from both the Student Recreation Center and the Personal Rapid Transport (PRT) system. The benefit this new site provides to WVU isn't limited to providing students with medications and medication counseling services, though. WVU School of Pharmacy students now have a new experiential learning site.

Student pharmacists will be instructed by WVU School of Pharmacy alumni, **Drs. Casey**


Yokum, '06, and Jared Lapkowicz, '12.

"Jared and I both wanted to give back to the School and guide students who are about to start their pharmacy careers just as we once did," Dr. Yokum said. "We both had many excellent preceptors while on rotations, and we hope to continue that tradition and provide students with a site they find both enjoyable and rewarding."

Currently, first- and fourth-year students are able to complete their Introductory Pharmacy Practice Experience and Advanced Pharmacy Practice Experience at Mountaineer Pharmacy. Drs. Yokum and Lapkowicz have plans to allow first-year students to come and tour the pharmacy and third-year students to

come in to acquire experience in over-the-counter medication counseling by counseling first-year student pharmacists.

Yokum and Lapkowicz are dedicated to ensuring they and Mountaineer Pharmacy provide exceptional learning experiences to our student pharmacists and high-quality care to WVU students.

"Since Jared and I are both alumni, we have the utmost respect for the University and a great desire to see it and its future graduates succeed," Yokum said. "Also, because students are the heart of the University, our goal is to provide superior pharmaceutical care to improve their overall health and wellness." 

Alumni: Are you interested in becoming a preceptor? Contact our Office of Experiential Learning at **304.293.1464** for more information.

JACKNOWITZ INDUCTED TO ORDER OF VANDALIA



(l-r) University President E. Gordon Gee; Patty Johnston, Class of 1977; and Dr. Jacknowitz

The Order of Vandalia, WVU's highest honor, recognizes the most loyal servants of the university. **Dr. Art Jacknowitz, professor emeritus**, was one of the four honorees selected for 2015.

Dr. Jacknowitz was a member of the WVU School of Pharmacy faculty for 38 years. He started his career at the School as the director for the West Virginia Drug and Health Information Center. He then served as the chair for the Department of Clinical Pharmacy for 16 years while continuing his career as professor.

In addition to the numerous scientific and technical articles and abstracts he has written, he wrote a monthly column for several years for the U.S. Pharmacist, was a member of the Drug Information Journal drug editorial board for over 25 years and served as a member of the editorial advisory board of Rodale Press and Prevention Magazine.

Jacknowitz was an advisor for the WVU Honors College for more than a decade and was nominated by his students as the 2012 Outstanding Honors Pharmacy Advisor for helping guide and shape their experiences at WVU. He has mentored more than 250 pre-pharmacy and pharmacy students as an academic advisor and taught thousands of students and alumni as a faculty member.

Jacknowitz still stays connected to the School and University. He is a mentor to student pharmacists and coordinator of the School's student ambassador program. He represents retired faculty as a member of the Faculty Senate, and was elected to serve as vice president of the newly formed WVU Retirees Association Board of Directors. He is also one of 10 individuals to serve as docents for the newly opened WVU Art Museum. //

MENIGHAN SELECTED TO WVU ACADEMY OF DISTINGUISHED ALUMNI



Thomas E. Menighan, '74 BS Pharmacy, '11 Sc.D. (Honorary), was inducted to the WVU Academy of Distinguished Alumni in February 2015. He is the full time, EVP and CEO of the American Pharmacists Association (APhA), the national professional society of pharmacists in Washington, D.C.

The Academy honors WVU graduates who have attained national or international distinction in their profession or discipline.

Prior to rejoining APhA in 2009, Menighan was president of SynTegra Solutions Inc., in Germantown, Md. The company provides supply chain and chargeback auditing and consulting in risk management, 340B systems, anti-counterfeiting, and the technology of medication information. Menighan also founded SymRx, Inc., and developed CornerDrugstore.com.

Throughout his career, Menighan has served volunteer roles within the profession of pharmacy, including volunteer elected president of APhA from 2001 to 2002 and a member of the APhA Board of Trustees between 1995 and 2003. He was a senior staff member of APhA from 1987 to 1992. While on staff as senior director of external affairs, he managed state affairs, public relations, new business development and practice management issues. Other professional experiences include management of the PharMark Corporation, creator of RationalMed, and licensed systems for states to conduct Drug Utilization Review for millions of state Medicaid enrollees. Menighan also founded and was a 20-year Medicine Shoppe owner in Huntington, W.Va. and is a partner in Pharmacy Associates, Inc., a multistate specialty pharmacy that today serves patients in much of the United States.

Menighan is a loyal Mountaineer and remains active with his alma mater, currently serving as chair of the School of Pharmacy's Visiting Committee, service to which began over 30 years ago. He is also a member of the Health Sciences Center's Advisory Committee and is co-chair of the School of Pharmacy's "State of Minds: The Campaign for West Virginia University" campaign. //

GLOBAL ROTATIONS OFFER A WORLD OF OPPORTUNITY

For the past several years, our student pharmacists have been able to participate in global rotations during their fourth year of study. There are limited spots available for these rotations, and students must apply, but for those who are interested in exploring the world of global healthcare, these rotations are life-changing experiences.

THE OMAN EXPERIENCE

By Amy Newton

Luggage? Check. Passports? Check. Ready to fly 14 hours and over 7,400 miles to rotation? Check! The academic year 2014-2015 marked the second year our student pharmacists had the opportunity to travel to Oman for a global health rotation.

Senna Almashat, Mary-Katherine Cox, Allison Fisher and Amber Gower, members of the Class of 2015, participated in the Oman rotation experience. The rotation began December 27, 2014, and lasted until January 26, 2015.

The goals of global health rotations are for our students to learn about the similarities and differences in healthcare systems and pharmacy education between the United States and other countries, as well as to learn about cultural differences and providing patient care.

“I have a strong interest in international health and wanted a better understanding of how pharmacy is practiced within the Omani

healthcare system,” Almashat said. “I believe that as a student-pharmacist and as a future practicing pharmacist, it is vital to understand how pharmacy is practiced within different healthcare systems and societal contexts. I also wanted to learn about the similarities and differences in the healthcare systems of Oman and the United States, including exploring pharmaceutical care in the context of health disparities in Oman. Additionally, I was interested in the Oman rotation as an international public health rotation, as I have an interest in the public health field having completed a master’s degree in public health.”

The student pharmacists spent two weeks at the Royal Hospital in Muscat. This government-owned, tertiary acute care facility has both inpatient and outpatient pharmacies. Here the students were able to work with the pharmacists and accompany physicians on the medical team when they made rounds in the acute medicine,

cardiology and pediatrics departments.

The students were also able to take a day tour of the Ministry of Health and another of the National Pharmaceutical Industry. They then spent a week working in the community at Muscat Pharmacy—the largest private chain of pharmacies in Oman. With Muscat Pharmacy having 67 locations, the students were assigned to different facilities and were able to assist the pharmacists in making medication recommendations, replenishing inventory, selling medications, and observing and discussing the differences in pharmacy practice. The rotation ended with working for one day at Sultan Qaboos University Hospital in Muscat.

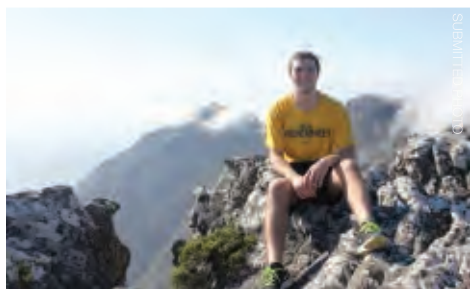
“I would strongly encourage students to participate in this rotation,” Gower said. “The Omani people are very welcoming and friendly. They wanted us to have a good time and enjoy their beautiful country. My advice would be to enjoy every second of the rotation.”



(l-r) Allison Fisher, Senna Almashat, Mary-Katherine Cox and Amber Gower

MY ROTATION EXPERIENCE IN SOUTH AFRICA

By Maria Sellas, Pharm.D., Class of 2015



Logan Davis



Maria Sellas



(l-r) Logan Davis, Kelley Stevens, Maria Sellas and Dr. Kelsey Lyon

The fourth year of pharmacy school may seem like a whirlwind for most students, and my year has been no exception. I, along with my classmates **Kelley Stevens, Logan Davis and Kelsey Lyon, Pharm.D., the internal medicine PGY-2 resident from WVU Hospitals**, spent the month of August in Cape Town, South Africa, completing a pharmacy practice rotation. Our time in South Africa was a once-in-a-lifetime experience and something we will treasure for the rest of our lives.

We had the opportunity to work with a non-governmental organization for the first half of our rotation. The organization utilizes community workers — members of the neighborhoods who do not have medical training — who go to the homes of their clients to assist with care, such as bathing patients, cleaning wounds, organizing medications and performing other tasks as needed. We accompanied the workers and counseled patients on medications they were taking, discussed smoking cessation and aided the workers in any way we could. It was emotional seeing the poor condition of many of the homes. While the patients had very little, they welcomed us into their homes with open arms. Many offered us food and drink, proudly showed us their family photos and asked us about our lives in America, our schooling and our homes. They were proud of what they had and the lives they lived. It was a great learning experience for me.

After our time in the community, we worked in the clinical pharmacy at Khayelitsha District Hospital, which is located in the middle of Khayelitsha, the second-largest township in South Africa. Many of the homes in this area are shacks made of metal. Kelley, Logan and I

worked on the women's internal medicine ward along with the nurses and physicians. Pharmacy education in South Africa is becoming more clinically based, but currently their pharmacists are not trained in that capacity, so there isn't an active clinical pharmacy practice. When we started working in the wards, we were met with resistance. However, we worked hard to show the benefits of having a clinical pharmacist present. We had to prove that our time was not spent trying to point out mistakes, but rather to improve patient care. Once the physicians and nurses understood this, we had significantly better working relationships.

We also had the opportunity to work with fourth-year pharmacy students from the University of the Western Cape. As a new requirement for their program, the students had to select a patient to “work up” — looking at the chart to evaluate a patient's medications for dosing, interactions, appropriateness and monitoring of efficacy and side effects. Generally the staff pharmacists of the hospital help them through this process; however, they are not trained with these skills. We were able to walk the South African students through our process of looking at patients, and they helped us understand the life of a pharmacy student in South Africa.

At the culmination of our work and time on rotation, we provided presentations about the U.S. healthcare system and pharmacy education in the United States to fourth-year pharmacy students, pharmacy faculty and other guests at the University of the Western Cape. During these presentations, we were able to show many of the major differences between our countries' healthcare systems. The presentations provided a platform for the

students, faculty and guests to ask questions about the United States, our training and our healthcare practices in general. We each were also responsible for presenting a patient case, during which we provided both the United States and South African treatments for our patients. The students and faculty were able to ask us questions about our patients and see how we were able to impact their care.

While the majority of our time was filled working hard to provide patient care, we were able to have a great deal of fun experiencing the tourist side of South Africa. We hiked roughly five miles to the top of Table Mountain National Park, went on a guided safari tour, went elephant back riding and visited Robben Island — the island prison where political prisoners were held during Apartheid, including Nelson Mandela. However, the most exciting tourist activity of all was when we bungee jumped off the Bloukrans Bridge, the world's highest bungee bridge at 709 feet!

This rotation was the experience of a lifetime. I am so grateful for the opportunity to have visited a place that has impacted me in such a huge way. I would especially like to thank Dean Chase, Dr. Schwinghammer, Dr. Wietholter, Dr. Maynor and Dr. Renier Coetzee. Without all of them, this educational experience would not have been possible, and you have provided us with memories we will never forget. I hope that this rotation will continue for many years and give students the opportunity to learn and grow as pharmacists. //

REEDS SUPPORT THE FUTURE OF PHARMACY THROUGH PLANNED GIVING

By Anna Rittenhouse



Growing up in Raleigh County, W.Va., School of Pharmacy alumni **Roger and Karen (Ellenbogen) Reed, both Class of 1980**, weren't always focused on pharmacy as a profession. As high school sweethearts nearing graduation, Roger contemplated a career in engineering and Karen's inclination was to pursue a career as a pediatrician, with both seriously considering attending out-of-state colleges.

When Roger decided to attend WVU and study pharmacy, Karen decided to do the same. Married before they began pharmacy school, the Reeds recently celebrated their 38th wedding anniversary and have been working as pharmacists in Beckley and the surrounding area ever since.

Today, Roger is retired from GlaxoSmithKline and works part time as a compounding pharmacist. Karen is a Certified Diabetes Educator and is enjoying her 13th year behind the counter at the K-Mart pharmacy in Beckley. They both consider their choice to attend WVU and the WVU School of Pharmacy as one of the most gratifying decisions they have ever made.

Karen and Roger have fond memories of their days in pharmacy school. They enjoyed the camaraderie of their peers and the nurturing disposition of the faculty ... it felt like a family.

When Karen was inducted into the Lambda Kappa Sigma student organization, she had the opportunity to help plan the School's first Continuing Education (CE) seminar. Interacting with alumni through the CE program, Karen developed an appreciation for how meaningful it was for students and the alumni to meet and network.

The Reeds recently notified the WVU Foundation, Inc., that they had made the choice

LEAVE A LEGACY

“If everyone is moving forward together, then success takes care of itself.”

– Henry Ford

The same can be said for the School of Pharmacy with the help of our dedicated supporters.

Together, with the support of alumni and friends like you, the School of Pharmacy has built a successful program that, for over 100 years, has maintained the highest level of academic excellence and worked tirelessly to advance the profession of pharmacy. Our successes are a testament to what we can accomplish together.

Your support plays a critical role in our ability to maintain this trajectory of success. Whether that happens now or through a gift included in your estate plan, you can be a part of the team that helps make more happen for our student pharmacists, today and in the future.

A gift provision included in a will or revocable trust is a smart option. While carrying out your estate planning to benefit your family's future, have your attorney include a provision “... to the West Virginia University Foundation, Inc. (FEIN 55-6017181) for the benefit of the School of Pharmacy.” You can also include specific instructions on the gift's uses that can benefit students, faculty, a department or a program.

Another option is to name the Foundation the beneficiary of a retirement account, life insurance or annuity policy, or financial account. The choice of how these funds will benefit the School is up to you.

For retirement income needs, a gift that pays income to you is also worth considering, yielding a current income tax deduction as well.

These gifts count in “A State of Minds: The Campaign for West Virginia's University” to help the School meet its fundraising goals. Some gifts have age requirements. Please let us know if you have already made such gift plans or would like assistance with any of them by calling **304.293.5212**.



“Our profession allows us to make a difference in people's lives every day, and that wouldn't have been possible without the education we received at WVU.”

– Karen Reed

to provide a future gift to the School of Pharmacy as a provision in their will. As a planned gift, or “bequest,” their gift has been designated to support the School's greatest areas of need.

“Everything that we have acquired is a result of our education and our profession,” said Roger.

“Not just the material things, but the quality of our lives. We feel respected within our community and have built strong relationships with our friends, associates and patients as a result of the education we received [at the School] and our profession.”

“Our profession allows us to make a difference in people's lives every day, and that wouldn't have been possible without the education we received at WVU,” Karen said. “We want to give back to the School that made all of this possible. It is the right thing to do.”

The Reeds named the School of Pharmacy in their will because they feel strongly that the School truly makes an impact on people's lives. It is their wish that their gift supports the advancement of the pharmacy profession by preparing future pharmacists to accept their expanding role among healthcare professionals, and to develop strong communication skills that ensure patients comprehend the important role their medications play in their health and well-being. //

2015 SPRING ALUMNI WEEKEND

The WVU School of Pharmacy and the WVU School of Pharmacy Alumni Association hosted a 2015 Spring Alumni Weekend on May 1 and 2. Events for the weekend included a continuing education session, a weekend kickoff reception and a dedication ceremony and tours of the newly remodeled Cook-Hayman Pharmacy Museum.

The weekend concluded with the WVU School of Pharmacy Alumni Association's "Run for the Roses" Derby Spectacular event on May 2, with special guest WVU President E. Gordon Gee. Alumni were invited to have a fun evening and to reconnect with the school and their classmates at the Kentucky Derby-themed event.



PHOTOS BY AMY NEWTON



MARTIN HONORED AS OUTSTANDING ALUMNUS



(l-r) Carroll Martin and University President E. Gordon Gee

Carroll C. Martin, '52, was awarded the 2015 Outstanding Alumnus Award by the WVU School of Pharmacy Alumni Association.

The award, presented at the 2015 Spring Alumni Weekend, recognizes service to the School of Pharmacy and its alumni, and significant impact at the local, state, national or international levels. Examples of significant impact include: service to the community; contributions within the pharmacy profession or other areas of healthcare; impact within another industry or profession; outstanding service to federal pharmacy or appointed/elected local, state or federal government, legislative area or significant decision-making body.

Carroll Martin's first job after graduating from WVU was as a staff pharmacist at Cook Drug in Charleston where he was mentored by renowned West Virginia pharmacist Dr. Roy Bird Cook. He was subsequently recruited by Eli Lilly and Company and spent 10 years as a medical service representative for this leading pharmaceutical firm. Martin's district was southern West Virginia, and he was one of

their top salesman in the region.

Martin desired to get back to the practice of community pharmacy and his family's home county of Randolph. Eventually, he purchased a pharmacy in Elkins, W.Va. — Family Drugstore — where he and his partner and fellow WVU School of Pharmacy alumnus, **John D. Blackburn, '55**, provided care to families in Randolph County for many years.

Martin mentored several WVU School of Pharmacy alumni over the years, including **D. Stephen Crawford, '68**, and **James S. Burks, '66**. These mentorships also grew to cultivating generations of future pharmacists. **Judy Martin Riffe, '67**, Martin's niece, and **Jann Skelton, '91**, Burks' daughter, had an interest in the profession of pharmacy that was nurtured through their time at Family Drug and other pharmacy practices.

Martin was very active in the community and helped support community initiatives whenever possible. Even after he retired, he continued to serve the area when there were needs for pharmacy services. Examples of this are when the Huttonsville Correctional

Center asked him to help reorganize a pharmacy that was in dire need of assistance. Martin worked one day a week for six months driving to Huttonsville to help. When Grafton City Hospital needed help in reorganizing the pharmacy, Martin was again asked for assistance and drove to Grafton once a week for several months to help.

Martin's love for his community and profession was evident in all that he did. If someone were discharged from the hospital late at night and needed a prescription, he went to his store to take care of their medication needs. He was known to deliver a prescription on a winter's night when the elderly patient couldn't get out. He allowed those who didn't have enough money at the time to charge medication until they could pay for it.

Martin is a wonderful example of what we hope for all of our students — past and present: a caring, loving and dedicated professional and a wonderful person. Congratulations, Mr. Martin, and thank you for all you have done. //

MESSAGE FROM THE ALUMNI ASSOCIATION



For the last seven years that I've lived in D.C., I have wrestled with the idea of home being somewhere other than West Virginia. Interestingly enough, being away has created a stronger sense of and

appreciation for home and my West Virginia family. And, while I've recently become a homeowner of a simple, cozy condominium, I look forward to returning home to the annual events hosted by the School of Pharmacy Alumni Association.

Whether it's All-Years picnics, Homecoming tailgates or the Centennial Weekend Celebration Kickoff Picnic, our Alumni Association has welcomed new and returning family members home. During the Alumni Weekend events in May, we enjoyed catching up with friends, classmates, faculty and mentors. WVU President E. Gordon Gee spoke to attendees at the Run for the Roses Derby Spectacular prior to American Pharoah's winning lap around the track at Churchill Downs. The Alumni Association

also recognized and gifted Dean Patricia Chase for her nine years of leadership to the School of Pharmacy with a handmade West Virginia quilt, as well as presented **Carroll Martin, '52**, with the Alumni Association's Outstanding Alumnus Award. In addition, new Alumni Association officers were installed:

PRESIDENT-ELECT: Shanna Maxwell Secreto, '04
SECRETARY: Susan Meredith, '67
TREASURER: Scot Anderson, '68
ALUMNI REPRESENTATIVES "AT LARGE"
Bill Riffée, '67
JoeMichael Fusco, '14

The Alumni Association raised more than \$5,000 during the Derby Spectacular event to begin establishing an endowment for the School of Pharmacy Alumni Association Scholarship. However, we still need your help to fully fund this \$25,000 endowment.

Also in May, I had an opportunity to return to Morgantown to present the Alumni Charge to the graduates in the Class of 2015 and welcome them to the profession and to the Alumni Association. We look forward to seeing you during Homecoming weekend.

On October 9, 2015, we ask all returning alumni and their families to join with us for a Homecoming parade watch on High Street at Tin 202. Many will recognize this new restaurant as where **Ann Dinardi, '31**, operated Moore & Parriott Pharmacy for many years. We also look forward to seeing everyone at the annual Homecoming tent on October 10. Finally, we ask that you save the dates of May 20-21, 2016, for 2016 Alumni Weekend. Information regarding activities specific to the School of Pharmacy and the Alumni Association will be posted on the website and through social media.

I would like to express my sincere appreciation to **Bill and Judy Riffée, '67**, for serving as the Alumni Association Co-Presidents in 2014. The association would also like to thank **Betsy Elswick, '02**, for her efforts in coordinating the work of the Alumni Association. We are always looking for volunteers to serve as class contacts. If you are interested, please contact Betsy Elswick at belswick@hsc.wvu.edu.

Let's Go, Mountaineers!
Brian Lawson, Class of 2008
President, WVU School of Pharmacy
Alumni Association

ALUMNI ASSOCIATION AWARD NOMINATIONS

Do you know of a WVU Pharmacy alum or a non-alum who has gone above and beyond for their profession and the University? If so, nominations are currently being requested for the WVU Pharmacy Alumni Association Outstanding Alumnus and Outstanding Service Awards. Nominations will be received until April 1, 2016. Awards will be presented during the 2016 Spring WVU Pharmacy Alumni Weekend. To nominate, please send information about the nominee including their full name, year of graduation and a short summary of their accomplishments to sopalumni@hsc.wvu.edu. Please also include your contact information. Self-nominations are also welcomed.

OUTSTANDING ALUMNUS

The Outstanding Alumnus Award is conferred by the WVU School of Pharmacy Alumni Association upon an alumnus to recognize service to the School of Pharmacy and its

alumni, and significant impact at the local, state, national or international levels.

SIGNIFICANT IMPACT MAY INCLUDE:

- ✓ Success with a charity or other service to the community,
- ✓ Contributions within the pharmacy profession or other areas of healthcare,
- ✓ Impact within another industry or profession,
- ✓ Outstanding service to federal pharmacy,
- ✓ Appointed/elected local, state or federal government, legislative area or significant decision-making body.

The award is established to recognize significant impact and not solely to recognize financial contributions.

OUTSTANDING SERVICE AWARD

The Outstanding Service Award is conferred by the WVU School of Pharmacy

Alumni Association upon a non-alumnus to recognize extraordinary service to the School of Pharmacy and its alumni, and major impact to advance the mission of the Association.

MAJOR IMPACT MAY INCLUDE:

- ✓ Success with a charity or other service to the community,
- ✓ Contributions within the pharmacy profession or other areas of healthcare,
- ✓ Impact within another industry or profession,
- ✓ Outstanding service to federal pharmacy,
- ✓ Appointed/elected local, state or federal government, legislative area or significant decision-making body.

The award is established to recognize major impact and not solely to recognize financial contributions.



Class of 1967 (l-r) Judy (Hickman) Owens, Susan (Payne) Meredith and Judy (Martin) Riffie helped the Alpha Omicron Chapter of Lambda Kappa Sigma celebrate Hygeia Day on March 15 as chapter alumni members.

Kate (Dobson) Forman, '09, gave birth to her first child and Future Pharmacist, Nora Kate Forman, in October 2014.

LCDR Brittany (Jarvis) Keener, '07, was selected by a committee of her peers who determined she best met and exceeded the criteria required as the 2015 Pharmacists Mutual Distinguished Young Pharmacist for the state of Alaska.

Gary Matthews, '86, has completed the examination to become a board-certified geriatric pharmacist.

Thomas E. Menighan, '74, was awarded the position of Honorary President of the Maryland Pharmacists Association (MPhA) at the organization's annual meeting held in June 2015. The Honorary President is an honorary position on MPhA's Board of Trustees and is given to an individual, not necessarily a pharmacist, who has worked for MPhA or Maryland pharmacy over a long period of time.



Mike Podgurski, '72, has been named the 2015 Honorary President by the National Association of the Boards of Pharmacy. The honor is awarded

each year to an individual in recognition of their commitment to supporting the

Association's mission and goals including protecting public health and promoting the Association's initiatives.

Kudos to Moundsville Pharmacy on its SyncRx+ program — a program designed to align all of a patient's maintenance or chronic medications to be due for refill on the same day each month. Each month the patient receives a single phone call from a pharmacist to review the patient's medications and changes in medication therapy. The program also includes medication therapy management. Moundsville Pharmacy partnered with Pharmacy Development Services to work together to develop training materials for pharmacists and have since trained pharmacies ranging from Puerto Rico to Hawaii to use the SyncRx+ program. In addition, nearly a dozen pharmacy owners and their teams have traveled to Moundsville from as far away as North Carolina, New York and eastern Pennsylvania to observe the processes and learn the SyncRx+ system so that they can provide a higher level of service to the patients in their community. The Moundsville Pharmacy team includes Adele Storm, '86; Jason Turner, '03; Josh Border, '06; Katie Kacmarik, '12, and Neal Ford, '12. Also, congratulations to Katie and Jason on receiving the Pharmacy Development Services 2015 Pharmacists of the Year award for their contribution to the profession in the development of SyncRx+ program and the training of individuals to use the program.



(Left to right) Dan Benamoz, president and CEO, Pharmacy Development Services; Jason Turner, owner and pharmacist of Moundsville Pharmacy; Hashim Zaibak, 2014 Pharmacist of the Year; Katie Kacmarik pharmacist at Moundsville Pharmacy; Bushra Zaibak; and John Kalvaledge, Medicine On Time

IN MEMORIAM

William P. "Bill" Anderson, '54, passed away February 10, 2015.

Mary T. Angotti, '46, passed away April 7, 2015.

James A. Honce, '11, passed away March 31, 2015.

John A. Kubas, '49, passed away October 25, 2014.

Rao Pippalla, '94 Ph.D., passed away July 2, 2015. Dr. Pippalla was the first Ph.D. graduate from the Department of Pharmaceutical Systems and Policy Health Outcomes Research pathway (then Behavioral and Administrative Pharmacy department).

Donald K. Richmond, '65, passed away June 15, 2015.

Louise Elaine Wojcik, spouse of the late Dr. Albert F. Wojcik, passed away December 2, 2014. Mrs. Wojcik was the cofounder and sponsor of the WVU Aesculapian Society, and a cofounder of the WVU School of Pharmacy Women's Auxiliary.



ZAC POST

When opportunity knocked for **Zac Post, Pharm.D., '14**, while he was a student pharmacist, he always opened the door. It was this type of mindset that led him to pursue the Rutgers Pharmaceutical Industry Fellowship (RPIF) Program, and solidified his current position as the U.S. Field Medical Fellow in the Content Development and Training (CDT) and Communications Center of Excellence at Novartis Pharmaceuticals.

Over the course of the next two years, Dr. Post will be working across all Novartis General Medicines therapeutic areas, including cardiovascular, dermatology/rheumatology, neuroscience and respiratory. Post also has an appointment as adjunct faculty at the Ernest Mario School of Pharmacy at Rutgers University, where he will have the opportunity to teach several courses and participate in research activities.

The RPIF Program is currently the largest fellowship training program for doctors of pharmacy. The goal of the fellowship is to provide further experience within the pharmaceutical industry through direct training and clinical research.

The program is partnered with leading pharmaceutical and bio-pharmaceutical companies to provide these experiences, and the affiliation with the Ernest Mario School of Pharmacy at Rutgers University allows for a strong component of professional development and academic training.

“Postdoctoral fellowships within the

“Explore as many possibilities for your professional development and for your future career as you can before you even graduate.”

pharmaceutical industry have become extremely competitive with the rise in opportunities for pharmacists,” Post said. “I sought out postdoctoral industry fellowship training after completing a PGY-1 residency in order to incorporate my clinical background and translate that into the beginning of an exciting and progressive career within medical affairs in the pharmaceutical industry. It is ultimately within field-based medicine where my career goals and passion


lie, and where I see myself truly impacting patient care to my full potential.”

Post is the first alumnus of the WVU School of Pharmacy to obtain the Rutgers Pharmaceutical Industry Fellowship.

“It’s a great feeling,” he said. “Not only have I been able to achieve my goal of continuing on a strong path that ultimately progresses to my dream job within the industry, but I feel as though I can do a lot for my alma mater with this opportunity, as well. I hope to share my experiences with the RPIF Program and Novartis with students at the WVU School of Pharmacy. There are numerous career opportunities available to Pharm.D.s in many capacities and across various settings. I feel it is important for incoming students to keep an open mind and explore as many potential career options as possible during their time in pharmacy school. I just want to ensure they are introduced to as many of these opportunities as early as possible, and I would be honored to take part in that effort.”

Post attributes his success in his residency and postdoctoral training to his education and experiences at the WVU School of Pharmacy. In addition to the clinical pharmacy knowledge base, Post acquired skills in time management, public speaking and professional networking by attending state, regional and national meetings and events.

When asked if he had words of advice for our current students, he stated, “My advice would be to not limit yourself. Explore as many possibilities for your professional development and for your future career as

you can before you even graduate. Apply for unique internship and rotation experiences, get involved with professional organizations and research opportunities, seek out a mentor — or two! — and network, network, network. Don’t ever be afraid to venture outside of your comfort zone. You never know where you might find yourself.” 

Welcome **New Faculty**



MARINA GALVEZ-PERALTA

Marina Galvez-Peralta, Pharm.D., Ph.D., FCP, is an assistant professor in the WVU School of Pharmacy Department of Pharmaceutical Sciences. She completed her Pharm.D. degree, M.S. degree in pharmacy and Ph.D. degree in pharmacology, all at the University of Seville School of Pharmacy in Spain.

She is a licensed pharmacist in the U.S. and Europe. She completed a postdoctoral fellowship at Mayo Clinic and a T-32 training grant at University of Cincinnati Medical Center. She is accredited in applied pharmacology by the American Board of Clinical Pharmacology. She has taught pharmaceuticals, pharmacogenomics, pharmacology, metabolomics, pharmacognosy, phytotherapy and toxicology in different Pharm.D. and graduate programs at WVU, the University of Cincinnati, Cincinnati Children's Hospital Medical Center and University of Seville.

Galvez's research interests are on understanding chemotherapy resistance, individual response variability to chemotherapy, drug combination optimization and drug response in special populations. She is the author of 24 manuscripts and has been invited to give national and international talks.

Galvez is the recipient of three investigator Center for Environmental Genetics awards and two co-investigator awards. Her main goals at WVU are to develop and implement novel teaching techniques and to collaborate on translational (bench-to-bedside) research.



MARK GAROFOLI

Mark Garofoli, Pharm.D., MBA, CGP, is an adjunct assistant professor at the WVU School of Pharmacy in the Department of Pharmaceutical Systems and Policy. He is a graduate of the University of Pittsburgh School of Pharmacy where he earned his Pharm.D. degree. He is also a graduate of Strayer University

where he earned an MBA, with a concentration in management. His professional background includes a decade of experience and leadership within CVS Health and over five years of MTM experience with Humana Healthcare.

Dr. Garofoli is the manager of the Medication Therapy Management (MTM) Program in Morgantown, where he focuses on the development, implementation and management of the Opioid MTM Program. The main goals of the program include both developing pain management guidelines for the state of West Virginia and also conducting complete medication reviews with patients and prescribers to address the growing opioid use concerns within the state.

Garofoli's practice, research and scholarship areas of interest include pain management, medication therapy management, substance dependence, geriatrics and healthcare management.



LORI HAZLEHURST

Lori Hazlehurst, Ph.D., is a professor in the WVU School of Pharmacy Department of Pharmaceutical Sciences. She is also the co-leader of the Mary Babb Randolph Cancer Center Alexander B. Osborn Hematopoietic Malignancy and Transplantation Program.

Formerly an associate member of the tumor biology program at the Moffitt Cancer Center in Tampa, Fla, Dr. Hazlehurst is a well-established and federally funded researcher in hematologic malignancies, particularly myeloma.

Hazlehurst received her Ph.D. at the University of Vermont in molecular and cellular biology and her postdoctoral training at the University of Arizona and Moffitt Cancer Center. She is also co-founder and president of Modulation Therapeutics Incorporated, a competitively funded start-up company that is developing drugs to target the tumor microenvironment.



MOHAMMED NAYEEM

Mohammed Nayeem, M.Sc., Ph.D., is an assistant professor in the WVU School of Pharmacy Department of Pharmaceutical Sciences and a member of the Center for Basic and Translational Stroke Research. He completed his bachelor's, master's and doctoral degrees at Osmania University in Hyderabad, India.

Dr. Nayeem's area of research interest focuses on cardiovascular health, specifically mouse model of coronary reactive hyperemia. Through his research, he hopes to understand the vascular mechanisms of the development of hypertension and then develop pharmacological agents that will therapeutically target essential hypertension, as well as salt-sensitive hypertension, in humans. He also received NIH-R01 funding on a project entitled, "Role of Cyp2j-epoxygenases, sEH and PPARs in adenosine-induced vascular response." He has published and presented many articles in related areas.

Nayeem is a member of the American Heart Association, the American Physiology Society, the International Society of Heart Research (American Section), the American Society for Pharmacology and Experimental Therapeutics, the Microcirculatory Society and the American Association of Colleges of Pharmacy. He is a member of the editorial board of the Journal of Pharmacology and Drug Metabolism as well as the Scholarena Journal of Pharmacy and Pharmacology. He is also a member of the peer-review committees for Integrated Blood Pressure Control, the Journal of Experimental Pharmacology, the Journal of Inflammation Research and the Journal of Receptor, Ligand and Channel Research.



XI TAN

Xi Tan, Ph.D., is an assistant professor in the WVU School of Pharmacy Department of Pharmaceutical Systems and Policy. Dr. Tan received her bachelor's degree in pharmacy from the Fudan University School of Pharmacy in Shanghai. She then completed her Pharm.D. at Nova Southeastern University College of

Pharmacy and her Ph.D. in social and administrative sciences at the University of Michigan College of Pharmacy.

Tan's primary areas of research interest include pharmacoepidemiology, pharmacoecomics, health services and outcome research, with particular emphasis on medication use behavior and associated health outcomes. Her current research has focused on medication use in women's cancer and comparative effectiveness of new anticancer agents.

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ALUMNI ASSOCIATION DUES

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EMPLOYMENT OPPORTUNITIES

Looking for a position or the perfect candidate? Try using the School's LinkedIn page for your job search or position posting. Questions? adnewton@hsc.wvu.edu

CONTINUING EDUCATION

Be sure to visit our Office of Continuing Education website for a list of upcoming Live Programs at pharmacy.hsc.wvu.edu/CE.

Not getting your copy of The Showglobe? Update your information at pharmacy.hsc.wvu.edu/alumniupdate.

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UPCOMING EVENTS

Check the Upcoming Events section at pharmacy.hsc.wvu.edu/alumni for registration and more information about all events.

- /// **October 4, 2015**
23rd Annual Southern Appalachian Fall Seminar
Pipestem Resort State Park, Pipestem, West Virginia
- /// **October 9, 2015**
Homecoming Parade Watch
Tin 202, High Street, Morgantown
- /// **October 10, 2015**
Homecoming tailgate and game:
WVU vs. Oklahoma State
**Homecoming football tailgate is free of charge*
- /// **October 2015**
WVPA 108th Annual Convention
Stonewall Resort, Roanoke, West Virginia
- /// **December 2015**
50th ASHP Midyear Clinical Meeting and Exposition
New Orleans, Louisiana
- /// **March 2016**
APhA2016 Annual Meeting & Exposition
Baltimore, Maryland
- /// **April 2016**
WVSHP Spring Meeting

Not attending any of the state or national meetings, but live in the area? Join us at the events! We would love to see you!