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SHOWGLOBE

FALL 2014 | Centennial Celebration Issue



**BEST
GRAD SCHOOLS**
A WORLD REPORT
US News
PHARMACY
2013



Celebrating our Centennial



What started out as a small department in the state's leading university has become a school recognized as No. 26 in the Best Health Schools-Pharmacy category of the U.S. News & World Report's 2013 edition of "America's Best Graduate Schools."

Full article on page 10

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18 ALUMNI REFLECTIONS



West Virginia University

SCHOOL OF PHARMACY

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Corrections: In our Fall 2013 issue, we neglected to note Chloe Detrick, Public Relations Intern 2012-2013, as a contributing writer on the Preceptor of the Year Article.



Happy 100th Birthday to the School of Pharmacy! On June 12-14, 2014, we celebrated in style! I would like to thank everyone who was able to attend one of the many events on our Centennial weekend. Since the events of that weekend, we have received some wonderful messages from attendees:

- *"Congratulations on a fantastic Centennial Weekend celebration. Best wishes for another 100 wonderful years!"*
- *"What an outstanding weekend! I am still enjoying the 'glow' from it all. Your team couldn't have done anything else – it was perfect!"*
- *"I just wanted to say thank you for an absolutely stunning Centennial Celebration Weekend! What a beautiful weekend back to Morgantown it for was for my husband and me. I hadn't been back to WVU for seven years, and the Centennial was simply wonderful."*
- *"The WVU School of Pharmacy faculty are simply the BEST, and it was great reconnecting with everyone last weekend!"*
- *"Thanks for a great weekend in Morgantown. Your team did a terrific job. They were organized, helpful, smiling, and cordial. I am proud to have been a graduate of the WVU School of Pharmacy Class of 1963."*

Highlights of the weekend included the CE program on Friday and an amazing Alumni Association Picnic at the Erickson Alumni Center that evening. Everyone enjoyed the music, food, and reconnecting with classmates and fellow alumni.

On Saturday, the School held its inaugural Hall of Fame Induction Ceremony. Of the 153 inductees, 88 inductees or their representatives attended the ceremony. A full list of inductees can be found on page 13.

Saturday evening's Gala was the perfect way to top off the weekend. Over 200 people attended the event. Christopher Colenda, M.D., M.P.H., chancellor for Health Sciences, offered the toast and Art Jackowitz, Pharm.D., professor emeritus, and Patty Johnston, '77, were the speakers for the program. We also had a silent auction that raised over \$5,000 for scholarships. Photos from the Centennial Celebration weekend can be found on page 11 and also on the School's Facebook page.

I would like to thank the very hardworking team who put the Centennial Celebration Weekend together: Matt Blommel, Betsy Elswick, Mary Euler, Celissa Gutta, Amy Newton, Anna Rittenhouse, Ginger Scott, and Norma Tennant. You all worked together to make it a memorable event!

Now, on to the next decade of improving the health of the people of West Virginia and beyond!

Warm regards,

Patricia A. Chase, Ph.D.

The Gates Wigner Dean for the WVU School of Pharmacy



Rojanasakul Awarded \$1.6M Grant to Study Link between Nanomaterials and Lung Cancer

BY SHERRY STONEKING,
MARY BABB RANDOLPH CANCER CENTER

Yon Rojanasakul, Ph.D., co-leader of the Sara Crile Allen and James Frederick Allen Comprehensive Lung Cancer Program at the Mary Babb Randolph Cancer Center, and professor in the Department of Pharmaceutical Sciences, has been awarded a \$1.6 million grant from the National Institutes of Health for research that could lead to a better understanding of cancer and development of safe nanotechnology.

Nanotechnology deals with manipulating matter and creating devices from materials that are molecular in size. Carbon nanomaterials are widely used in commercial and biomedical applications, including consumer electronics and medication delivery. But little is known about the health effects of these materials on those who work around them or use the products containing them.

Dr. Rojanasakul and his research team have discovered a subpopulation of cells with stem cell properties that drive tumor formation and display resistance to chemotherapy. In their study, "Induction of Neoplastic Transformation and Cancer Stem Cells by Carbon Nanotubes," they will test the hypothesis that certain nanomaterials induce lung cancer through the induction of cancer stem cells. They will identify key properties of nanomaterials that drive stem cell formation and tumor progression. "This breakthrough could lead to the development of safe nanomaterials, early diagnosis of cancer, and novel therapeutic strategies that overcome cancer chemoresistance and recurrence," Rojanasakul said.



Johnston Inducted to Order of Vandalia

The Order of Vandalia, West Virginia University's highest honor, recognizes the most loyal servants of the University. Five honorees were selected for 2014, including Patricia C. "Patty" Johnston.

Johnston is the owner of Colony Drug & Wellness Center in Beckley, West Virginia. She is the second of three generations of WVU School of Pharmacy graduates in her family: her father **Harold Johnston, Class of '51**; **Patty, Class of '77**; and her daughter **Caity Frail, Class of 2009**.

Johnston has been an active and dedicated preceptor for pharmacy students through most of her career, and has been recognized twice by the School as Preceptor of the Year and as National Preceptor of the Year by the National Community Pharmacists Association.

She has given back to the School not only by dedicating her time to educating our future pharmacy professionals, but by also serving as a member of the School's Visiting Committee for more than 10 years, as well as having served as president of the School's Alumni Association and as a member of the School's Comprehensive Campaign Committee.

She has served as president of the West Virginia Pharmacists Association, and has been recognized for her contributions to community practice innovations and for pharmacy-based immunization services.

The WVU Board of Governors is the governing body of WVU. The Higher Education Policy Commission in West Virginia is responsible for developing, establishing, and overseeing the implementation of a public policy agenda for the state's four-year colleges and universities.

West Virginia University is an Equal Opportunity/Affirmative Action Institution.

Helping the Community in a Time of Need

BY AMY NEWTON

Some may take for granted the simple act of turning on a faucet to get water to brush their teeth or cook a meal. In January 2014, though, thousands of residents in southern West Virginia were not able to carry out even the most basic tasks, let alone get a glass of water to drink, because of a chemical leak into the Elk River in Charleston, West Virginia.

On Thursday, January 9, **Dr. Elizabeth Scharman, professor in the West Virginia University School of Pharmacy Department of Clinical Pharmacy and director of the West Virginia Poison Center (WVPC)**, received what seemed to be a general information call from a reporter asking about 4-methylcyclohexane methanol (MCHM) because there were reports of an odor in the air. It wasn't an out-of-the-ordinary question, but that would soon change by 6:00 p.m. that evening.

West Virginia Governor Earl Ray Tomblin held a press conference discussing the MCHM leak into the river and issued a state of emergency to not use the water. The Governor had announced that residents should call the West Virginia Poison Center if they were experiencing symptoms and displayed the Center's toll-free number. That caused the phone lines at the WVPC to light up.

"I received a call from one of our poison specialists that we were receiving contaminated water calls," Dr. Scharman said.

The staff at the WVPC leaped into action. Assisted by a WVU student pharmacist on rotation at the Center, another poison specialist who had been called in from vacation, and two epidemiologists from the West Virginia Bureau for Public Health, they began answering calls from concerned community members. From approximately 6:00 p.m. to midnight, the WVPC received 647 calls ranging from human and animal exposures to information inquiries.

Dr. Scharman developed information for hospitals in case they started receiving patients experiencing symptoms of exposure. This data sheet provided information about what was known about the MCHM spill at the time, signs and symptoms of exposure medical personnel could possibly see in patients, triage information, and management recommendations. Once this information was approved by the WVPC's medical director, it was sent to all hospitals with an auxiliary telephone number to ensure that calls could get through to the Center.

"The first night of the incident was incredibly busy," Scharman stated. "We had to ensure that we had enough staff on



Dr. Elizabeth Scharman

Photo by Jeffrey Driggs

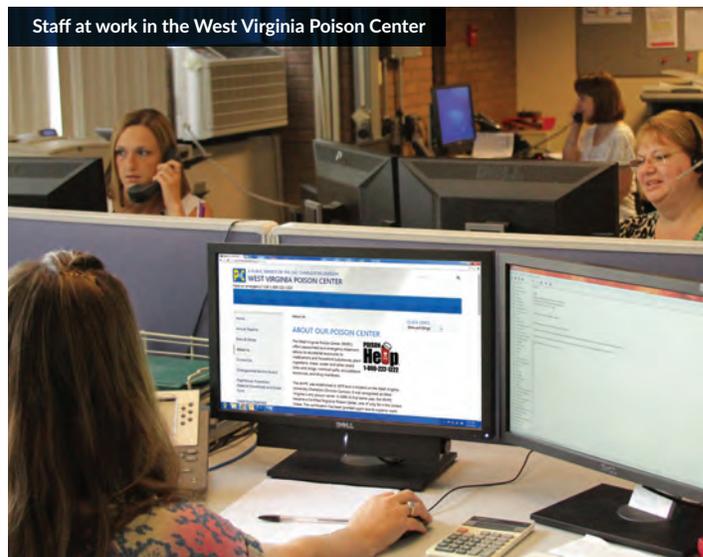
hand because answering calls was our top priority. However, through the entire acute phase of the water contamination incident, we didn't turn off our assistance to other counties in the state. My staff continued to answer the types of calls we receive daily in addition to answering calls related to the incident."

The acute phase — the time during the water crisis before the "all clear" was given to use and drink tap water in all affected areas and for two days afterward — lasted from January 9 to January 19 at 12:30 p.m. Over the course of this phase, the WVPC responded to a total of 2,423 calls.

Dr. Scharman provided her expertise to local and state health officials, as well as the Governor's office. In addition, she collaborated with the Centers for Disease Control and the Agency for Toxic Substances and Disease Registry. She compiled situation reports twice a day, as well as reports of symptoms that were being seen in the community. During the event, she also provided information to media through interviews and press conferences.

Scharman credits disaster planning and preparation to the success of the WVPC in handling the incoming calls and distributing information during the water incident.

"This is what we do," she said. "We have disaster plans in place, we used all our plans, and it worked. This incident was on a massive scale, but we were prepared for what to do. We're here 24/7 to help the community."



Staff at work in the West Virginia Poison Center

Photo by Jeffrey Driggs

Educational Tour Teaches Patients How Diet Affects Health

BY BECCA MULLIN,
PUBLIC RELATIONS INTERN



Diet is the biggest lifestyle change one must make when living with a health condition, and many may be unaware how important their diet can be in managing these conditions.

Daniel Ventricelli, Pharm.D., West Virginia University School of Pharmacy/Kroger 2013-2014 community pharmacy practice resident, with the help of **Jennifer Alastanos, Class of 2014**, and Leighann McClurg, a recent dietetic student graduate and Kroger pharmacy technician, created *The Healthy Tour of Your Kroger Store* at the Suncrest Towne Centre Kroger in Morgantown to help his patients learn the importance of their diet when living with health conditions such as diabetes. The tour was held in January 2014.

"I wanted to educate people on lifestyle modifications and connect the entire store, as much as I could, with the pharmacy," Dr. Ventricelli said. "After you've discussed the medications with your patient, the next step is lifestyle and diet modification."

Ventricelli wanted to build off a similar Kroger program that existed in the past. This past tour included topics focusing on healthy diets, heart health and diabetes education. Through developing a connection between the in-store pharmacy and the diet tour, he allowed patients to learn about their specific medication therapy in addition to other important factors affecting their everyday health.

"Since it is a relatively new store, I wanted to incorporate as many different departments as I could into the tour," he said. "Having the other departments involved allows the pharmacy and its patients to be more connected with the deli, produce, and chefs. This tour could help bridge the gap

between other departments and the pharmacy and help improve a patient's health."

The tour began in the pharmacy. Patients, their friends, and family received educational handouts about the importance of living a healthy lifestyle. In the pharmacy, they spoke with pharmacists about their medication needs, and then proceeded throughout the store. Aisle by aisle, the patients learned about the major food groups and important dietary concepts to be aware of, such as sugar and carbohydrate content, the rate at which one's blood sugar rises after eating certain foods, and serving sizes.

Many of the tour attendees were surprised to learn they should be most mindful of cereal when it comes to their diet. After an activity where they poured what they considered to be an appropriate serving size, Ventricelli showed them the recommended serving size with a measuring cup. This activity was important to stress because those who have diabetes have to be especially mindful of food items like cereal. It is common for cereal to be very high in sugar and carbohydrates, which are two ingredients to which patients with diabetes need to pay close attention.

Ventricelli hopes the educational tours continue as they provide patients with important information to improve their health.

ED. NOTE: *Dr. Ventricelli is currently completing a fellowship in community pharmacy with an emphasis on studying substance abuse at East Tennessee State University Bill Gatton College of Pharmacy and is also completing a master's degree in public health.*

STUDENT NEWS

PHARM.D. STUDENT AND STUDENT ORGANIZATION NEWS

The AMCP, APhA-ASP, and AAPS

(American Association of Pharmaceutical Scientists) chapters worked together during the week of April 21 to host health information sessions and provide support to those staying at Ronald McDonald House – an organization in Morgantown that provides shelter to families of children who are being treated at area medical facilities. Over the course of week, the Pharm.D. and Ph.D. students from each chapter interacted with over 40 individuals and served five home-cooked evening meals.

APhA-ASP Operation Diabetes campaign members, along with Dr. Krista Capehart and community practice resident Dr. Debbie Bourquin, provided health screenings at the West Virginia State Fair.



(FRONT ROW L-R) DR. CAPEHART; BENNY WINLAND, P-4; KARA HARTMAN, P-4; CATESSA HOWARD, P-2; AND DR. BOURQUIN (BACK ROW L-R) ZACH GRIFFITH, P-2; DREW EDDY, P-3; BRANDON DOLLY, P-3; AND ANNIE LORENSON, P-2

Congratulations to **Cassie Stewart**, P-4, on her appointment to serve as the student representative for the national ASHP Council on Education and Workforce Development.

Kappa Psi hosted the 6th Annual School of Pharmacy Variety Show on April 25 and raised \$1,000 for the Mary Babb Randolph Cancer Center's Comfort Fund.



(L-R) WVU STUDENT PHARMACISTS ALEXANDRA GRECO, P-3; PAIGE MILLER, P-4; OLIVIA KINNEY, P-3; MELISSA HOOD, P-4; MADISON EDWARDS, P-4; AND MBRC MEDICAL SOCIAL WORKER JESSICA MARKLEY

Kappa Psi also hosted their first annual Golf Scramble in April and raised \$1,000 for the American Red Cross.

Newly initiated **Phi Lambda Sigma** member **Dr. Terry Schwinghammer**, Department of Clinical Pharmacy, helped the PLS/SoP team raise over \$1,600 for Special Olympics West Virginia by taking the Polar Plunge. For the full Polar Plunge album, visit our Facebook page.



(L-R) DR. SCHWINGHAMMER; CASSIE STEWART, P-4; PAIGE MILLER, P-4; AND SARA MANTICK, P-2

Centennial Health Fair

Students hosted a health fair at the Mountainlair on April 10 in celebration of the School's centennial year. WVU students and employees were invited to attend and obtain blood glucose tests, cholesterol tests, and bone density screenings. Information on a variety of health topics including tobacco awareness, prescription drug abuse, immunizations, heartburn, and seasonal allergies was also available.



PRESIDENT E. GORDON GEE OBTAINS A HEALTH SCREENING FROM JEANINE HARDY, '14.

PH.D. STUDENT NEWS

Doctoral students in the West Virginia University School of Pharmacy won a student research competition at the International Society of Pharmacoeconomics and Outcomes Research (ISPOR) 19th Annual Meeting, which was held earlier this summer in Montreal. **Mayank Ajmera, Rituparna Bhattacharya, Rahul Garg**, and **Amit Raval** represented the WVU student chapter of ISPOR. Fourteen teams from universities across the U.S. participated in the competition, and the WVU team won first place. The teams were quizzed on research questions, including methods, design, and statistical analysis from the ISPOR Book of Terms and ISPOR Good Practices for Outcomes Research.



(FRONT ROW L-R) MAYANK AJMERA AND RITUPARNA BHATTACHARYA (MIDDLE ROW L-R) AMIT RAVAL AND DR. USHA SAMBAMOORTHY, CHAPTER ADVISOR (TOP ROW L-R) DR. S. SURESH MADHAVAN, PROFESSOR AND CHAIR OF THE DEPARTMENT OF PHARMACEUTICAL SYSTEMS AND POLICY, AND RAHUL GARG

The students are all studying in the Health Outcomes Research pathway of the Pharmaceutical and Pharmacological Sciences program, which focuses on the results of healthcare treatments as they relate to the improvement of patient care and quality of life, decreasing morbidity and mortality, health policy research, and cost effectiveness of treatments.



Rituparna Bhattacharya, a Ph.D. student in the Health Outcomes Research pathway, received second place for her research poster at the 50th annual Drug Information Association meeting held June 15-19 in San Diego. She presented her research, "Budget Impact Analysis of Tofacitinib for Treatment of Rheumatoid Arthritis." She collaborated with Khalid Kamal, Ph.D., associate professor at the Duquesne University - Mylan School of Pharmacy, on the project. Bhattacharya is conducting research under the direction of her mentor, Usha Sambamoorthi, Ph.D.



Photos by Autumn Hill, WVU Health Sciences, and Amy Newton

Filling a Need

Think back to when you were a child. What was your biggest worry? Forgetting your math book at school and not being able to do your homework? Getting your favorite seat on the school bus in the morning?

More than likely, these were the types of worries you had. For a growing number of children, though, their biggest worry is if they are going to have food over the weekend before school on Monday.

Mark Morris, '80, and his wife, Colleen, are involved with several organizations in the Mannington, West Virginia, area that serve children and adults who are not getting enough to eat.

"Colleen is the director of the Mannington Food Pantry," Morris said. "I became involved in these programs through my wife, and you start helping out and you see how these services fill a need in the community."

The Help Us Stop Hunger (HUSH) program, started in 2010, provides backpacks of food to children on Fridays. The packs contain items such as crackers, cereal, cookies, juice, and fruit cups — all kid-friendly items so the child can open and use them on their own without the need for cooking.

"I was sitting in church one day trying to think of a good name for the program, and all of a sudden HUSH came to me," Colleen said. "If you think about it, when your child is hurt or in need, you hush them to comfort and soothe them. The items provided aren't meant to be substitutes for meals, but supplemental snacks when they are hungry."

According to NoKidHungry.org, in 2013, 21 percent of children in West Virginia struggled with hunger. The backpack program, serving a specific school in Mannington, serves almost 90 children every week. Children must return the backpacks to school on Mondays,

and they are refilled and given back to the children on Fridays.

The Morrises are also involved with the Community Reaching Out Serving Soup (CROSS) program. CROSS provides hot meals to adults and children every Wednesday. On average, the program serves 50-55 people a week, and increases to around 90 in the summer when more children attend.

The first things you notice when you step into the CROSS building are that it looks and feels like a home.

"We specifically planned it this way," Colleen said. "The people who come here may not be able to go to a restaurant, and we want them to have a nice experience and feel comfortable at the same time."

While the HUSH and CROSS programs do receive some grant funding from the George W. Bowers Family Charitable Trust and United Way of Marion County, Colleen is proud to say that the majority of food and supplies come from private donations. "We have volunteers from churches who come out to help cook and serve meals, and many people donate food to the programs," she said.

Local organizations have also provided appliances, utensils, and other kitchen items, and volunteers helped paint and made curtains for the CROSS building.

Morris, co-owner of Red Dot Pharmacy, attributes some of the connection to his community to his position as a community pharmacist.

"People come into the pharmacy, so they see me here, and then they see us out in the community," he said. "We all live here, so we help each other. Our family has been blessed, so we want to share and give back to others. We can do that by giving our time and filling a need for those who are hungry."

Alumni President's Message



It has been my honor and privilege to serve as your WVU School of Pharmacy Alumni President over the past two years. Recently, I was asked to give

the alumni charge to graduates in this year's Centennial Class of 2014. In reflecting back upon the occasion, I thought about some of my words and how they are important reminders to all grads, both past and recent. With that in mind, here is a portion of my charge to our newest members of the WVU School of Pharmacy Alumni Association:

"Today, you are joining a legacy of success that reaches back over 100 years. Each WVU graduate has a unique story — now it's time to write yours. Work hard to develop your unique gifts. Take risks and don't fear making mistakes. Be flexible! Cultivate a global perspective and work towards creating a more peaceful and just world. Think for yourself and always choose to be an innovator. Explore new perspectives and

places, and, as you travel the world, wear your flying WV with pride! Honor the sacrifices of those who came before you and extend a helping hand to those who follow. Above all, never stop learning! And when people ask about the secret of your success — tell them you're a Mountaineer!

Read, explore, travel, and expand your circle of friends. As you build new friendships, take care to nurture those you have made at WVU. Maintain your connection with West Virginia University and the School of Pharmacy. Show your Mountaineer pride, not just on game days, but every day in every place life takes you. Return to campus when you can to visit favorite professors and re-live precious memories. Because the School of Pharmacy has been in existence for 100 years, we have well over 3,000 School of Pharmacy alumni in nearly all 50 states, which means that wherever you go, you'll find fellow Mountaineer pharmacists. Additionally, the Alumni Association will look forward to welcoming you home every year at Homecoming."

In ending my tenure as your President, I welcome the newest officers and appointed student representatives in the WVU School of Pharmacy Alumni Association:

Co-Presidents: **Bill and Judy Riffe, '67**

President-Elect: **Brian Lawson, '08**

Treasurer: **Scot Anderson, '68**

Secretary: **Susan Meredith, '67**

Alumni Representatives:

Amber Chiplinski, '08 and

JoeMichael Fusco, '14

Student Representatives:

Galen Kabulski (P-4)

and **Wes Kafka (P-2)**

Thanks so much for this wonderful honor to serve our School and its alumni members.

Go Mountaineers!



Kent Hunter, '84

Anido Selected to WVU Academy of Distinguished Alumni



Dr. Vicente Anido, Jr., '75 R.Ph., '78 M.S., was inducted into the WVU Academy of Distinguished Alumni in February 2014. The Academy honors WVU graduates who have attained national or international distinction in their profession or discipline.

Dr. Anido is an accomplished and respected leader in the ophthalmology industry and has over 37 years of multinational

management experience in the healthcare field, including broad exposure in prescription and non-prescription pharmaceuticals, medical devices, diagnostics, and biologics.

Anido was president, chief executive officer, and a director of ISTA Pharmaceuticals from 2001-2012, a company acquired by Bausch & Lomb. Prior to this, Anido served as general partner of Windamere Venture Partners. He has also served as president and CEO of CombiChem, Inc., a biotechnology company, and was president of the Americas Region of Allergan, Inc., a specialty pharmaceutical company focusing on ophthalmology, dermatology, and neuromuscular indications. Prior to Allergan, Anido held management positions at Marion Laboratories and Marion Merrell Dow, Inc.

He currently serves as chairman and CEO of Aerie Pharmaceuticals, Inc., a publicly traded (NASDAQ: AERI) clinical stage pharmaceutical company focused on developing products to treat glaucoma. The mission of Aerie Pharmaceuticals is to discover and develop novel, first-in-class medications that help patients with glaucoma preserve their sight. Dr. Anido was also elected to the WVU Foundation Board of Directors in August 2014.

Future PHARMACISTS



Tyler Andrew Bane is the Future Pharmacist of **Ryan Bane** and **Julie (Thayer) Bane**, both '10.



Dr. Nilanjana Dwibedi, faculty in the Department of Pharmaceutical Systems and Policy, shares a photo of her Future Pharmacist, Rishaan Ghosh.



Dan Fleanor, '03, and his wife are proud to present their twin Future Pharmacists, **Raya Danielle** and **Daniel Gayle Fleanor III**.



Kimberly (Blake) Garza, Ph.D. '10, and her husband, Ray, are proud to announce their Future Pharmacist, **Addison Mariposa Garza**.



Greg Hohman, '05, and **Courtney (Strawser) Hohman, '07**, are proud to present their Future Pharmacist, **Owen William Hohman**.



Sebastian William Kehayes is the Future Pharmacist of **Melissa** and **William S. Kehayes, '05**.



Cassandra (Nicastro) Matthews, '09, and her husband, James, are proud to present their Future Pharmacist, **James Thomas**.



Kane Monroe Nichols is the Future Pharmacist of **Erin (Garrett) Nichols, '08**, and husband, Adam. Kane joined big brother, Levi, on June 10, 2014.



Maria May Peaslee is the Future Pharmacist of **Justin** and **Jessica (Wolfe) Peaslee, '09**.



Madelynn Rae Roberts is the Future Pharmacist of **Jeremy** and **Hannah (McCullough) Roberts, '11**.



Everly Faith Trickett is the Future Pharmacist of **Randall** and **Hannah (Chambers) Trickett, '10**.



Amanda (Preston) Ward, '08, is proud to present her Future Pharmacist, **Landry Coleman Ward**. Landry joined big brother, Preston, on January 30, 2014.

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 e-mail with news about your baby or grandchild to Dean Patricia Chase at pachase@hsc.wvu.edu to receive a "Future Pharmacist" baby shirt (shirt is only available in size 6 months). In exchange, Dean Chase asks that you send a photo of your new "Future Pharmacist" to include in the next issue of The Showglobe.



The Leading Change in Pharmacy Fund ... Supporting a Legacy of Leadership



THE EVOLUTION OF THE PROFESSION OF PHARMACY

Throughout the last century, the profession of pharmacy has seen changes that our predecessors could never have imagined. The pharmacist's role has evolved from the "chemist on the corner," to a maker and dispenser of medications, to a service provider, counselor, and health advocate. The pharmaceutical industry has also evolved, changing the way medications are manufactured, distributed, and dispensed. Academia has continually been revising curriculum and teaching methods, and the role that professional pharmacy organizations play in safeguarding the public's health has expanded.

As the profession advanced, it has been guided by visionary pharmacy professionals ... leaders who excelled at inspiring and engaging others in the common goal of defining the future of the profession.

A LEGACY OF LEADERSHIP ... THE WVU SCHOOL OF PHARMACY

From its inception, the WVU School of Pharmacy has played a vital role in the growth of the profession. The School quickly became the touchstone for the newly formed statewide pharmaceutical association and practicing pharmacists, providing stability, continuity, and leadership.

Today, through the work and dedication of our alumni, the School continues to play an important role in the evolution of the profession. As the state's oldest pharmacy school, it was here that many of the profession's accomplished leaders acquired critical leadership skills that prepared them for distinguished pharmacy and pharmacy-related careers.

Our alumni take on leadership roles in their communities, as well as state, regional, and national organizations. Whether coaching their child's soccer team, volunteering at a local healthcare facility, providing pharmacy education, or conducting life-saving pharmaceutical research, our alumni – and the School – are leaving a legacy of leadership.

CONTINUING THE TRADITION ... NURTURING LEADERSHIP

The WVU School of Pharmacy is committed to continuing this legacy of leadership by nurturing our student pharmacists as they grow into strong, visionary leaders. The School provides exceptional educational opportunities including an innovative curriculum, community-based experiential learning activities, and the opportunity to develop and exercise leadership skills as a participant in student organizations. Students also have the opportunity to attend regional and national meetings where they can develop presentation and networking skills, meet industry leaders, and develop an understanding of the profession as a whole.

SUPPORT THE NEXT GENERATION OF LEADERS ... HELP US REACH OUR GOAL OF \$100,000

In honor of the School of Pharmacy's 100-year celebration, the Leading Change in Pharmacy Scholarship was established to recognize student pharmacists who demonstrate innovative, initiative-driven leadership skills at the local, state, or national level, and have positively influenced the profession of pharmacy, as well as their communities.

The endowment goal for this scholarship is \$100,000. Reaching this goal will enable the School to annually recognize two student leaders, providing much-needed financial support.

Please join us in supporting our future pharmacy leaders by making a contribution today! Visit us online at www.hsc.wvu.edu/givetoPharmacy.

For more information, please contact Anna Rittenhouse, the School of Pharmacy Director of Development, at **304.293.7731** or by e-mail at arittenhouse@hsc.wvu.edu.

2014 Regional Research Forum Bench to Bedside: Translational Pharmacy



Photo by Ph.D. student Emily Despeaux

The 2014 WVU School of Pharmacy Regional Research Forum, held June 12 and 13, was jointly hosted by WVU's American Association of Pharmaceutical Scientists (AAPS) and International Society of Pharmacoeconomics and Outcomes Research (ISPOR) student chapters. The theme of the program was Bench to Bedside: Translational Pharmacy.

The goal of the research forum was to connect, collaborate, create, and communicate with regional AAPS and ISPOR chapters to enhance intercollegiate interactions, share research ideas and experiences, continue a regional annual Pharmacy Research focused meeting, and establish connections with current and future leaders of the pharmaceutical industry.

Sixty-three students from 11 schools attended, and of those, 43 students presented posters and 8 gave podia presentations.

KEYNOTE SPEAKERS FOR THE EVENT INCLUDED:

- **Betsy Sleath, Ph.D., the George H. Cocolas Distinguished Professor and Chair, Division of Pharmaceutical Outcomes and Policy, University of North Carolina Eshelman School of Pharmacy, who discussed, "Patient Communication Research: Where Have We Been and Where Are We Going?"**
- **Allie Karshenas, Ph.D., clinical director of West Virginia University's Clinical and Pharmacologic Research Center (CPRC) and associate professor of Pharmaceutical Systems and Policy in the School of Pharmacy, who presented, "Patient/Consumer Engagement, Personalized Medicine and Big Data—What Do They Have to Do with Career Opportunities for the Pharmaceutical Professional?"; and**
- **Adrian J. Fretland, Ph.D., research advisor, Lilly Research Laboratories-Eli Lilly and Company, who discussed, "Translational ADME: Pre-Clinical Support of Drug Discovery and Development."**

Graduate students and others in attendance also participated in a special seminar, "Making Elevator Pitches that Pack Punch," by Dan Agan and Joe Schreiber of Ninja Communications. This seminar helped students learn how to create quick pitches to a potential employer, investor, donor, or customer about themselves or a project all within the length of time of an elevator ride.

Because the Forum was held during the School's Centennial Celebration Weekend, along with faculty member Dr. Allie

Karshenas, several alumni accepted the invitation to attend and speak with students about their positions during a career panel discussion.

CAREER PANEL SPEAKERS INCLUDED:

- **1988 Ph.D. graduate Pravin Chaturvedi, Ph.D., CEO of IndUS Pharmaceuticals, who served as moderator;**
- **1975 and 1978 (M.S.) graduate Vicente Anido, Jr., Ph.D., chairman and CEO of Aerie Pharmaceuticals;**
- **Class of 2000 alumna Heather Knight-Trent, Pharm.D., R.Ph., director of Biopharma Project Management, Bristol Myers Squibb Co., in Princeton, New Jersey; and**
- **1967 graduate William Riffie, Ph.D., Dean Emeritus, University of Florida College of Pharmacy.**

Ph.D. graduate students in the Pharmaceutical and Pharmacological Sciences pathway, Christopher Bostick and Katherine Hickey, were the project managers for the 2014 Research Forum.

"Organizing the event was a big job, but it gave both Chris and me the opportunity to make stronger connections with both our participants and the professionals who participated," Hickey said. "It was a special treat for us that Dr. Marilyn Morris, president of AAPS, was able to come and participate in our event. It was great to have the support of our national organization for our student-initiated event."

While the event has evolved over the years, beginning as the School of Pharmacy Research Day in February 2010, it has always been coordinated by our Ph.D. graduate students. The Research Day changed to a Regional Meeting and Research Forum in 2013 in order to bring together Ph.D. students in the surrounding area to discuss and present their research, as well as to connect with fellow student researchers.

"When we were planning for our conference, I felt strongly that we continue the tradition started last year to involve regional schools in our forum because having exposure to more projects and approaches to research help us all to grow as scientists," Hickey added. "Also, the opportunity to network and make new collaborations is amazing. At this conference, I got to meet students from a lab at another school who are working on a project similar to mine. It was really interesting to learn about their methods and to understand my own project as part of a larger picture than I had previously appreciated."

Celebrating our Centennial

100

Centennial Celebration Picnic

What started out as a small department in the state's leading university has become a school recognized as No. 26 in the Best Health Schools-Pharmacy category of the U.S. News & World Report's 2013 edition of "America's Best Graduate Schools."

The year 2014 marks 100 years of the West Virginia University School of Pharmacy providing pharmacy education.

"This is a landmark occasion for the school," Dean Patricia Chase said. "The WVU School of Pharmacy has been educating pharmacists and leaders in the profession of pharmacy for 100 years. This is truly a time to celebrate the history of the school and look forward to what the future holds."

The almost 4,000 alumni of the WVU School of Pharmacy have worked to help shape and change the profession of pharmacy and pharmacy practice.

"Our alumni have not only helped improve the health of West Virginians, but have improved the health of individuals wherever they have practiced and are practicing, across the nation or across the globe," Dr. Chase said. "Whether our graduates are providing healthcare services in community or hospital pharmacies, serving patients by being part of their healthcare team while in the hospital, researching and developing medications in industry settings, being part of national organizations that help develop guidelines and regulations for the profession of pharmacy, or being a faculty member teaching the next generation of pharmacists, our alumni are making a difference in the health of our state, our country, and the world."

Graduates were asked to reconnect with their alma mater and fellow classmates during the school's Centennial Celebration Weekend June 13-14, 2014, in Morgantown. The next few pages highlight several of the events that took place. We would like to thank all our alumni and friends who joined us in celebrating this special occasion.



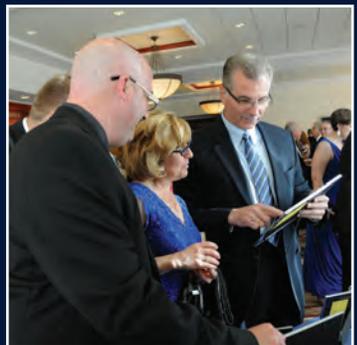
The SoP Alumni Association hosted a Centennial Celebration Weekend Kickoff Barbeque on June 13 at the Erickson Alumni Center. Over 120 alumni, family members, and faculty and staff of the School attended. During the event, the 2014-2015 officers were installed.

Centennial Celebration Gala





“Our alumni have not only helped improve the health of West Virginians, but have improved the health of individuals wherever they have practiced and are practicing.”
— Dean Patricia Chase





153 Alumni Inducted into WVU School of Pharmacy Hall of Fame

To commemorate our Centennial and to recognize the graduates of the School who work to improve the health and well-being of our citizens, the School established a Hall of Fame and inducted 153 inaugural members on June 14.

Inductees into the Hall of Fame were selected in recognition of their sustained and meritorious contributions to the profession of pharmacy, the University, the WVU School of Pharmacy, or the healthcare society at large.

The event was the inaugural Hall of Fame for the School of Pharmacy. The School will seek calls for nominations for inductees for future events.

“Our Centennial is a milestone celebration, and what better way to honor the history of the School than to institute an inaugural Hall of Fame recognizing alumni who have dedicated their lives to serving others and advancing the profession of pharmacy and healthcare,” Dean Chase said.



INDUCTEES OR THEIR FAMILY REPRESENTATIVES FOR THE WVU SCHOOL OF PHARMACY CENTENNIAL HALL OF FAME

INAUGURAL HALL OF FAME INDUCTEES

Frank W. Alderman
 Edward John Allera
 Jarrett R. Amsden
 Scot A. Anderson
 Armando Anido
 Vicente Anido, Jr.
 Samuel A. Arco
 Wayne L. Atkinson
 CK Babcock
 K. Gary Barnette
 Paula M. Bass
 Eric B. Belldina
 Lisa J. Benincosa
 Alice Bennett
 John J. Bernabei
 Robert J. Beto II
 Albert F. Bond
 Larry W. Border
 David G. Bowyer
 Laddie Burdette
 Thomas L. Carson
 Lisa A. Cassis
 Wendy Chao
 Judie F. Charlton
 Pravin R. Chaturvedi
 Janet W. Cline
 Louis W. Cohen
 Roger S. Cole
 John E. Corkrean
 D. Stephen Crawford
 Doyle M. Cummings
 Robert W. Curley, Jr.
 David L. Dalton
 Joseph F. Dasta
 David L. Day
 Ann Dinardi
 Joseph P. Duda
 Betsy L. Elswick
 Ben Exley III

Marsha H. Fanucci
 J. Ray Fredlock
 James W. Fredlock
 Carl E. Furbee, Jr.
 Brian A. Gallagher
 Carol Woodward Game
 Frederick L. Geiler
 Thomas D. Gerkin
 Douglas L. Gill
 Gary M. Givens
 Douglas D. Glover
 Prasanna R. Gore
 Ernest J. Gregg, Jr.
 Mary D. Guido
 John J. Halki
 Justin T. Hare
 Donald L. Heald
 Robert D. Hickman
 Brian M. Hodges
 Carol A. Hudachek
 Kent C. Hunter
 Donley W. Hutson
 Patricia C. Johnston
 Sassin T. Joseph
 Ashish V. Joshi
 Emily Judy
 Steven C. Judy
 Sandra E. Justice
 Charles Kakos
 Iftekhar D. Kalsekar
 Siddhesh A. Kamat
 John M. Kessler
 Elizabeth Kniska Keyes
 Heather Knight-Trent
 Eric M. Lambert
 Brian E. Lawson
 Nilsuwan Leelarasamee
 Dennis R. Lewis
 Robert N. Lohr

Lydia Main
 Lisa D. Mallow
 Robert Kelley Massie, Jr.
 Gary Mastromichalis
 Joseph C. McGlothlin
 Michele V. McNeill
 Rahul C. Mehta
 Thomas E. Menighan
 Ronald W. Meredith
 Susan P. Meredith
 Andrea B. Miller
 Valerie M. Mondelli
 Gannett P. Monk
 John H. Neale
 Thomas J. Nester
 Michael D. Newton
 Ronald J. Pellegrino
 Karen O. Petros
 William P. Petros
 James B. Phillips
 John P. Plummer
 Mark D. Povroznik
 J. Robert Powell
 Jeannine L. Powell
 Sunil Prabhu
 Terrence S. Prettyman
 Robert E. Proudfoot
 Krithika S. Rajagopalan
 Karen L. Reed
 Kenneth R. Reed
 Daniel M. Rider
 W. Clarke Ridgway
 Judith Martin Riffie
 William H. Riffie
 David A. Riley
 Willa C. Rinehart
 Dianna L. Ringer
 Bruce T. Roberts
 Sanjoy Roy

Charity Metz Schuller
 Charles V. Selby, Jr.
 Ronald J. Selders II
 Douglas N. Shaffer
 Roger A. Shallis
 Jann Burks Skelton
 Stephen A. Small
 Barbara Smith
 Kristen Finley Sobota
 Karl W. Sommer
 Clyde Spence
 Everett Bud Stanley
 Ralph S. Stevenson
 Newell W. Stewart
 Charles S. Stump, Jr.
 Willard D. Thacker
 Deepak D. Thakkar
 Judy B. Thompson
 Ted Thornton
 Edward Toompas
 George A. Topakas
 Janet L. Toth
 Charles H. Traubert
 Jason M. Turner
 E. Michelle Valentine
 Irvin VanMeter, Jr.
 Christopher R. Vaught
 Paul Virtue
 M. Todd Way
 Tara Whetsel
 Gates E. Wigner
 Marvin C. Wilson
 Arlie A. Winters, Jr.
 Albert F. Wojcik
 Kevin W. Yingling
 Islam R. Younis



Welcoming our Newest Alumni: Class of 2014

PHARM.D.

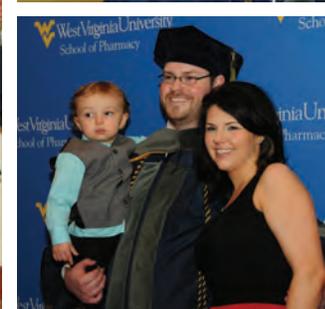
Jennifer Alastanos
 Katelyn Andrews
 Kelsey Bailey
 Brett Barnette
 Megan Beal
 Eric Beihl
 Matthew Black
 Victoria Capozzi
 Thomas Carson
 Kasie Culp
 Salvatore DeCaria
 Sarah Duckwall
 Bradley Duffield
 Brian Dye
 Ryan Fell
 Adam Ferguson
 JoeMichael Fusco
 Kirsten Garman
 Meagan Greene
 Nicholas Gregg
 Jeanine Hardy
 Candice Harris
 Hannah Hartley
 Shea Herald
 Kayla Hetrick
 Jason Hicks
 Luke Hoffman
 Kelsey Hoskinson
 Chelsey Houchins

Erica Howell
 Christopher Isabella
 Aaron Jackson
 Samantha Jones
 Emily Jordan
 Ibrahim Kaddourah
 Christopher Kaplan
 Kimberly Kimble
 Briana Kocher
 Huai Te Lee
 Katherine Mabry
 Sarah Mallow
 Justin Martin
 Cory Massart
 Victoria Matthews
 Cara Milburn
 Jenna Miljus
 Andrew Mlinarcik
 Teresa Ng
 Christina Nguyen
 Mark Painter II
 Emily Paitsel
 Valerie Palmer
 Stephanie Perkins
 Kara Piechowski
 Katelyn Pontore
 Zachary Post
 Jamison Radford
 Brittany Reed
 Margaret Robinson

Derrick Robrecht
 Olivia Rohrssen
 Kenneth Samples
 Logan Sanders
 Andrew Scott
 Grant Shaddix
 Amy Sharp
 David Smith
 Sarah Smith
 Chelsea Smolko
 Robert Snodgrass
 Nathan Stemple
 Kristen Thomas
 Abigail Thornton
 Amy Toler
 Kealy Toler
 Michael Underwood
 Nicholas Vucurevich
 Cory Weaver
 Shawn Wellman
 Kelly Wickline
 Matthew Young
 Xu Zhang

PH.D.

Jason R. Healy
 Swati S. Kunduri
 Pallavi Rane
 Matthew J. Robson
 Eric J. Zaccone



Preceptor of the Year Awards

BY BECCA MULLIN AND CAROL SHAUB

The WVU School of Pharmacy Office of Experiential Learning is pleased to announce the recipients of the 2014 Preceptor and Faculty Preceptor of the Year Awards. The recipients strive to create the best learning environments while providing student pharmacists with the opportunities and experiences that will enable them to provide exceptional patient care. We are extremely grateful for all they have done in teaching and mentoring our students.



PRECEPTOR OF THE YEAR John Crowley

Dr. John Crowley, internal medicine clinical pharmacy specialist at Charleston Area Memorial Hospital, is a 2010 graduate of the WVU School of Pharmacy, and has been a preceptor since 2012. He precepts both Introductory Pharmacy Practice and Advanced Pharmacy Practice Experience institutional rotations.

Dr. Crowley was nominated for the Preceptor of the Year award while in his previous position as clinical staff pharmacist at CAMC General Hospital.

Dr. Crowley completed a PGY-1 Residency at Valley Health/Winchester Medical Center in Winchester, Virginia, and obtained teaching certification by the Bernard J. Dunn School of Pharmacy in conjunction with the Shenandoah University School of Education. In November 2013, he received his Board Certification in Pharmacotherapy.

"Pharmacy offers endless opportunities to be educated or to be the educator, and I feel at home in both of those roles," he said. "Having so many great preceptors has been quite an inspiration for me. They truly helped guide me to where I am today. I want to be that same inspiration for other pharmacy students."

Student pharmacists on his rotation recognize this passion and devotion for learning and teaching. In Dr. Crowley's Preceptor of the Year nomination one student stated, "Dr. Crowley is a devoted preceptor who focuses on your interests in pharmacy and provides discussions on important aspects of those interests. His attitude is highly positive and encouraging at all moments, whether it is on rounds or verifying orders in the main pharmacy. He not only creates a comfortable environment to learn in, but also teaches in a manner that evokes motivation to attain more knowledge."

"To win an award based entirely on student nominations is really special," Crowley said. "There are so many opportunities to make a difference while precepting, and seeing students succeed thanks in part to the time that you put into their training makes it completely worth it."

On Crowley's rotation, students have the opportunity to make therapeutic recommendations to physicians during Family Medicine and Medical Rehab rounds, assist in renal monitoring and recommending renal dose adjustments when necessary, counsel patients, and participate in community service initiatives. Students

are also asked what topics they would like to learn more about, and they are given the opportunity to lead those topic discussions.

Crowley hopes student pharmacists complete his rotation with more knowledge about clinical hospital pharmacies and acquire the confidence for a successful pharmacy career. "Pharmacy is a great profession in that you can truly get out as much as you put in, and I want students to realize this so they may reach their full potential," he added.



FACULTY PRECEPTOR OF THE YEAR Charles D. Ponte

Dr. Charles D. Ponte, professor of Clinical Pharmacy and Family Medicine at the WVU School of Pharmacy, earned his Bachelor of Science in Pharmacy degree from the University of Connecticut in 1975, and completed a hospital pharmacy residency at Yale-New Haven Hospital in New Haven, Connecticut, in 1976. After completing his residency, Dr. Ponte earned his Doctor of Pharmacy degree from the University of Utah College of Pharmacy in 1980. He joined our faculty, with a joint appointment in the School of Pharmacy and the Department of Family Medicine through the School of Medicine, 34 years ago. He has been precepting students during his entire time at WVU.

Ponte's rotation has evolved over the years into an acute care rotation involving primarily patients in the hospital managed by the Family Medicine ward team. The students play a vital role as members of that team and take part in "table" and "walk rounds" and are assigned their own patients. During this rotation, students will conduct drug histories, provide discharge counseling, patient and provider education, patient monitoring, medication reconciliation services, and provide drug information to the medical residents and others. In addition to their hospital responsibilities, the students also participate in a twice weekly Discharge Clinic offered in the Clark K. Sleeth Family Medicine Center. The Discharge Clinic provides timely follow-up for Family Medicine patients recently discharged from Ruby Memorial Hospital.

When asked what he hopes students take away from his rotation, Ponte said he wants his students to understand that, "they know more than they realize, they can assume an integral role in managing acutely ill patients, they can begin to better collect and assimilate complex patient data for purposes of patient monitoring and constructing therapeutic plans, and they don't have to know everything, but know where to find it."

Our students clearly appreciate Ponte's efforts and talents. As one student stated, "I truly could not have asked for a better, more knowledgeable, and truly more genuine preceptor for this rotation than Dr. Charles Ponte. It was clearly evident from the first day of rotation that this man is highly respected throughout the entire hospital and community for his intelligence, leadership, and devotion to the profession of pharmacy. His passion for teaching made the experience more valuable to me than I could have ever imagined. Dr. Ponte represents a prime example of everything a pharmacist should strive to be, and truly serves as an example to be followed by his students."

Pharmacy Curricula over the Century

BY MARY STAMATAKIS, PHARM.D.,
AND W. CLARKE RIDGWAY, R.PH.

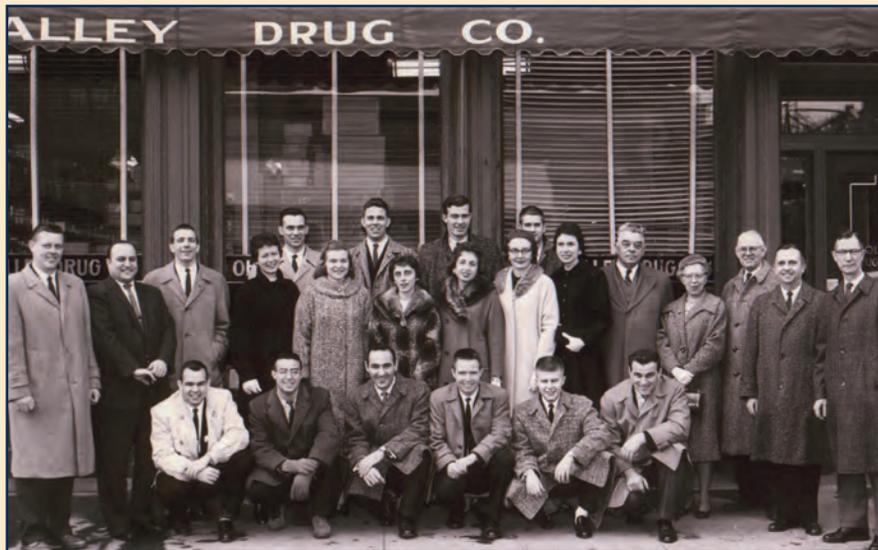
Reaching the milestone of 100 years of pharmacy education provides an opportune time to reflect on the rich history of the pharmacy program at WVU. As one might imagine, much has changed in our curricula over the century. It all began in 1914. Created at the behest of the West Virginia Pharmaceutical Association in its plea to the President of the University to help reduce a serious practitioner shortage in the state, the University created a new department of pharmacy within the School of Medicine. As was typical of its time, the program offered a variety of degrees; foremost was the Certificate of Graduation in Pharmacy, or Ph.G., degree requiring two years of studies. Initially housed in three, cramped classrooms on the Medical School Annex on the downtown campus, the department's curriculum focused on the needs of individual business owners and on compounding medications. A faculty of two was responsible to teach a variety of courses such as Pharmaceutical Technique and

Manufacturing Pharmacy, Study of the US Pharmacopoeia and the National Formulary, Compounding, and Prescription Writing and Incompatibilities. Much of the coursework focused on a plant-based materia medica. Tuition was \$25 per year for in-state students and \$50 per year for out-of-state students.

Four students composed the inaugural graduation class in 1917. All were men and it wasn't until three years later that the first female graduates were granted their diplomas. Shortly thereafter, reflecting the growing demands for a more thorough grounding in the sciences, a three-year Certificate of Graduation in Pharmaceutical Chemistry, or Ph.C., degree was created. The new curriculum required more laboratory-based coursework, and so the program moved to the most recognizable building on campus – Woodburn Hall (albeit the basement thereof) – in the 1920s.

In response to the need for recognition as a legitimate profession and to address the ever-increasing creation of chemistry-based drug knowledge, revised pharmacy education accreditation standards called for a four-year Bachelor of Science in Pharmacy, which WVU adopted in 1936. That same year our program was reborn as a College of Pharmacy, totally independent from the School of Medicine. The additional years of study allowed for coursework in areas such as First Aid and Physiology. Now an independent entity, the faculty ranks grew to four, each one responsible for teaching from six to 11 courses.

The following decades saw swings in enrollment dictated by national influences such as the affluent Roaring 20s, then the Great Depression of the 30s, and WWII in the early 40s. A post-WWII boom in enrollment and advancing accreditation standards necessitated a move to new space in Science Hall in the early 1950s, followed shortly thereafter by a move to the new, then



state-of-the-art Medical Center located near the University's newly-purchased Evansdale campus. Commenting on Pharmacy's new abode, the American Council on Pharmaceutical Education (pharmacy education's accrediting agency) noted enthusiastically, "The quarters occupied by Pharmacy are certainly second to none in the United States as far as attractiveness and adaptability to a modern program in pharmaceutical educational are concerned."

The change in location also required a change in title to conform with the newly-created Schools of Nursing and Dentistry and the expanded four-year School of Medicine, and WVU officially converted to a School of Pharmacy.

The Golden Anniversary of pharmacy education at WVU in 1964 also marked the transition from a four-year BS in Pharmacy to a five-year BS degree. Addressing the need to incorporate information resulting from the explosion in new chemical-based

medicines created during the 1950s, the new curriculum now required two years of pre-pharmacy studies, followed by three years of professional studies. While tuition had increased 15-fold over the previous 50 years, it was still reasonable at \$431/year for in-state students and \$781 for out-of-state students. Class sizes had steadily increased, and the number of faculty reached a high of nine. Although only four students graduated in 1964, this was due to the transition from a four-year to a five-year program.

Coursework that was required in the 1960s included Pharmaceutical Chemistry, Public Health, Medicinal Chemistry, Therapeutics, Hygiene, and Pharmacy Administration. While a majority of graduates still entered practice in community pharmacy, others entered practice in institutional settings, the government, or pursued further education through graduate training. This era also heralded the start of graduate education in pharmacy at WVU with a Master of Science in Pharmacy in the 1960s. At the end of these first 50 years, 621 proud Mountaineers graduated from the School of Pharmacy.

Fast forward 50 more years to today, when we celebrate our Centennial anniversary. A glimpse at the most recent 50 years shows many new beginnings.

- THE ADVENT OF A CONTINUING PROFESSIONAL EDUCATION PROGRAM IN THE 1970s
- THE CREATION OF A STATEWIDE DRUG INFORMATION CENTER IN 1972
- THE DOCTOR OF PHILOSOPHY PROGRAM PRODUCED ITS FIRST GRADUATE IN 1982
- THE TWO-YEAR POST-BACCALAUREATE DOCTOR OF PHARMACY WAS INTRODUCED IN 1993

Demands for a more patient-centered practitioner spurred the most recent major shift in curriculum, marked by the replacement of the BS degree by the entry-level Doctor of Pharmacy degree in 1998.

As we continue to see the profession of pharmacy evolve from a plant-produced, product-centered profession to a patient-centered one, the curricula has evolved to meet those challenges. Change continues — in 2014, the faculty of the School of Pharmacy approved the framework for a new curriculum that will meet the changing needs of the profession, healthcare, and society as we move into our second century. Embedded in the new curriculum will be integrated coursework that demonstrates the connection between basic sciences and clinical care; interprofessional education that will assist students in working as a member of an interdisciplinary team; ample opportunities for students to employ evidence-based practice; and practice in providing patient care that ensures optimal medication therapy outcomes.

While the previous 100 years have been rich in progress and new beginnings, we look forward to the ensuing 100 years of educating the next generation of pharmacists in West Virginia.



Alumni Reflections

From their favorite classes to their fondest memories, we spoke with several alumni to ask them about their time at the WVU School of Pharmacy in celebration of our Centennial.



Jann Skelton, '91
Owner of Silver Pennies Consulting

Jann Skelton is a self-proclaimed Mountaineer — born and bred. She didn't even think about attending any other college than WVU and the WVU School of Pharmacy for her academic career.

"The WVU School of Pharmacy has given me so much," she said. "Our students should not underestimate how academically well prepared they will be and what they

will be able to do. We have many talented alumni who are now doing amazing things."

Skelton was president and regional officer of the American Pharmacists Association-Academy of Student Pharmacists (APhA-ASP) when she was a student. Her involvement in this organization helped put her on the path of the life she has today. Before founding Silver Pennies Consulting, Skelton was a senior staff member at APhA and vice president of business development for US Wellness, Inc.

"I went to a national APhA meeting and when I saw what everyone was doing, I knew I wanted to be a part," she said. "The meeting opened my eyes to the broader reality of the profession of pharmacy and introduced me to people."

Skelton also states to never underestimate the power and draw of the West Virginia and WVU connection.

"My husband was a graduate of Arkansas, and he was always blown away by the connectivity of WVU alumni," she said. "If we were somewhere and I saw a WVU shirt or bumper sticker, I made it my mission to introduce myself and speak with that person. They are your home and we will always have a West Virginia connection. We'll be friends for life."

But it's not only the West Virginia or WVU connection that Skelton credits as being a base of support for her. It's also the mentorship she received from WVU School of Pharmacy faculty and alumni. Skelton is still in contact with past deans, and those who were her mentors are now her friends, as well.

"I remember being a student at these national organization meetings and I was able to speak with individuals like Bruce Roberts*, Tom Menighan, and Sandy Justice, and I'm thinking, 'I'm hanging out and talking with these great people,'" she said. "They included students and we were invited to participate, and we were encouraged to participate."

While Skelton looks back with fondness on her time at the School and all it has given her, she looks forward to a bright future for the School.

"We have such a rich history and such a great story of

excellence — a small school from a small state, and to see all the accomplishments of faculty and staff, and that we are high on the national rankings for schools of pharmacy," she said. "The School is doing an amazing job focusing on helping our students become successful. Students have leadership qualities by participating in organizations and meetings and can develop their communications skills, and now the curriculum has students providing health information through community service projects. Our students are well-rounded individuals."

*Bruce Roberts, '76, Principal at RxEngage Partners and CEO at BTRx Initiatives, LLC

Tom Menighan, '74, Executive Vice President and CEO of APhA

Sandra Justice, '78, Pharmacist at Marsh Pharmacy



Bruce Roberts, '76
Principal at RxEngage Partners and CEO at BTRx Initiatives, LLC

The education he received at the WVU School of Pharmacy created the underpinning for Bruce Roberts' professional career.

"For me, what struck a chord was rounding in the hospital with the full healthcare team," he said. "Being part of the patient's health team has been the essence of what I have done

for the past 40 years — to create this type of collaborative work in the community retail setting."

Roberts began his pharmacy career as president and CEO of Leesburg Pharmacy. From there, he then became chairman of the Mirixa Corporation, CEO of the National Community Pharmacists Association, president and CEO of Benecard PBM, co-chairman of Surescripts, LLC, and CEO of RxAlly. He is presently the principal at RxEngage Partners and CEO at BTRx Initiatives, LLC.

Roberts has seen many changes at the School since he was a student, but the most profound change to him is how the School is preparing our students for their careers and to be leaders in the profession.

"The focus on wellness and community and volunteer efforts is encouraging," he said. "It's very important to give back to the community, and the School is making a difference on how the students are serving the community. My hat is off to the School. There is more focus on being involved in the community and providing information on immunizations and providing other health screenings."

To our students and our Class of 2014 graduates, Roberts provides the following words of wisdom,

"It's an exciting time to be a pharmacist, a challenging, but

exciting time," he said. "As a profession, we need to step up and show the difference that we as pharmacists can make. The Class of 2014 is graduating at a pivotal point in healthcare, and they will be a part of all the changes. Evolve your role as a pharmacist. There are small, but meaningful ways to develop the role of a pharmacist to change the healthcare system."

successes. Staying connected is the first step in developing a strong network. The world of pharmacy is always changing and the challenges continue to evolve, but so do the opportunities. Keep an open mind and an ambitious attitude and you will always find success."

**W. Clarke Ridgway, professor emeritus, former assistant dean for the SoP Office of Student Services*



Jason Turner, '03
Pharmacist/Owner,
Moundsville Pharmacy

It was his strong connection to his family and to the state of West Virginia — having been a resident his entire life — that made Dr. Jason Turner realize that he wanted to continue his career in the state and receive his education through West Virginia University.

"My education through WVU has developed me into

the pharmacist that I am today, but just as importantly, my time at WVU and the relationships I formed have allowed for unique opportunities that have kept my career involved in the practice of pharmacy, my state association, and the University," he said.

In addition to being a pharmacist and the owner of Moundsville Pharmacy, Turner is active in many state and national pharmacy organizations, and is currently the immediate past-president of the West Virginia Pharmacists Association. He is also active in his community and provides a variety of pharmacy-related services and information to members of the community to educate them about the importance of managing and monitoring their health and taking their medications properly.

Building relationships and then nurturing those connections is something that Turner found important not only in his personal life, but also in his career. He stresses the importance of creating and maintaining the friendships you make over the years, because sometimes those friendships are the foundation for the encouragement you need.

"My fondest memory of the WVU School of Pharmacy is visiting with Clarke Ridgway* between classes," Turner said. "Whether we talked about his hometown in Wheeling, the stock market, or classes, visiting with Clarke was always a highlight to my day and his friendship and support continues to be an inspiration to my professional career."

Turner feels that the School is preparing our student pharmacists for their careers and to be leaders in the profession by working hard to remain current in a rapidly changing environment, focusing on the issues facing graduating pharmacists, and preparing pharmacists to create solutions to the challenges patients are experiencing. "I hope to see more strong leaders develop through the WVU School of Pharmacy and practice new and exciting ideas in the state of West Virginia," he said.

Turner offers these words of advice to our student pharmacists and our newest alumni, the Class of 2014, about staying connected and the profession of pharmacy:

"A strong network of friends and colleagues to support and inspire you, to lift you up in your failures, and to celebrate your



Paula Bass, '84
Formerly, Senior Manager,
Pharmacy Affairs, Amgen

While the School provides a solid educational foundation for our graduates, sometimes it's the other opportunities provided, like receiving internship information, being part of a student organization, or attending national organization meetings that open the door to a professional life-changing experience. For Paula Bass, it was an internship prior to her last year at the School.

Bass' professors encouraged her to apply for an internship through the American Pharmacists Association and the National Pharmaceutical Council. This internship opened her eyes to opportunities within the pharmaceutical industry. For Bass, this was a great fit.

"My favorite class was pharmacology," she said. "I enjoyed learning about drugs and their mechanisms of action and how they help us to manage and treat diseases. I apply what I learned in pharmacy school in the jobs that I have had to date."

The School has twelve student organizations and supports these organizations and their student members by providing faculty advisors to mentor the groups and funding for student travel to meetings when needed.

Bass was a member of the American Pharmacists Association-Academy of Student Pharmacists. She stated that in her most recent job at Amgen, she was a contact for her company for all the pharmacy associations.

"My involvement with APhA as a student, fostered by the WVU School of Pharmacy, provided the foundation for my involvement with professional pharmacy organizations today and taught me the importance of being involved at a national level in advancing the profession," she said. "I have been fortunate to be able to work with thought leaders in the pharmacy profession and the pharmacy associations. My bond to the WVU School of Pharmacy has created automatic relationships with other graduates of WVU who are leaders in the profession, including Tom Menighan and Liz Keyes at APhA*, and numerous other graduates that have been leaders in the profession."

You never know where your path in life is going to lead you, but for Bass, the School gave her the knowledge and tools for a successful career in the profession of pharmacy.

"My education at the WVU School of Pharmacy built the foundation that has allowed me to take my career in a unique direction that I never anticipated when I started pharmacy school."

**Elizabeth Kniska Keyes, '91, Chief Operating Officer, APhA*



Susan (Payne) Meredith, '67
Semi-Retired,
Part-Time Pharmacist

Susan Meredith knew from the time she was in the fourth grade that she wanted to be a pharmacist.

"I knew I wanted to be a pharmacist," she said. "I knew and I told everyone that I wanted to be just like Ed."

Ed was **Ed Tetrick, '40**, Meredith's community pharmacist. However, Meredith's family wanted

her to have a musical career, and enrolled her in a number of music and instrument classes. When she was in high school, she was still taking piano and organ lessons, but she told her parents that while she loved music, she was going to school to be a pharmacist. The rest is history.

Meredith feels blessed to have been given the opportunity to go to college, as she was the first in her family to graduate from college.

"It was a great opportunity for me, and my parents had to sacrifice for me to be able to attend," she said. "I would never have been able to own my own pharmacy for 40 years without the education I received from the WVU School of Pharmacy."

Meredith was active in Lambda Kappa Sigma, the American Pharmaceutical Association, and was also her class representative.

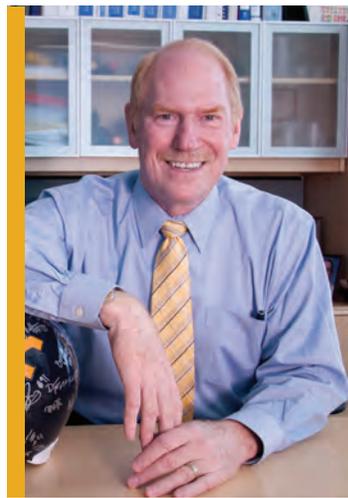
"**Ann Dinardi, '31**, always wanted women to be an active part of the profession," she said. "There are more women in the profession now than when I was in school, and the class sizes are also bigger."

Meredith has seen many changes take place at the School since her graduation, and she is impressed with the student pharmacists she is able to work with and the diversity of the curriculum that students now have.

"The Leadership and Advocacy elective gets students interested in the profession in ways they may not know about," she said. "It shows students what they can, and should, do to advance the profession. Students also have more opportunities on rotations. I tell the students I work with to open their eyes and expand their horizons. They might find an interest they may not have had."

Meredith sings the praises of the School's Office of Continuing Education as well.

"The education I received from the School was definitely the basis of my professional career, but the School's Continuing Education program helped me meet the needs of the community. Now, pharmacists are immunizing, providing medication therapy management, and diabetes education. We must change with the needs of healthcare. It's also nice that students have the chance to attend these continuing education programs, too, so they are comfortable with the information and can provide immunizations when they graduate."



Thomas E. Menighan, '74 BS Pharmacy, '12 ScD (Hon)
Executive Vice
President and CEO,
American Pharmacists
Association (APhA)

West Virginia University and pharmacy ... those are the two building blocks that helped shape Thomas Menighan's professional career. His sister, Doris Jean Menighan Connor was a WVU graduate, and Menighan started working at Phillips Pharmacy, owned

by **Jim Phillips, WVU School of Pharmacy Class of 1957**, in Sistersville, West Virginia, when he was in the seventh grade. So, for Menighan, already being connected to the profession of pharmacy and having ties to WVU, attending the WVU School of Pharmacy was an obvious choice.

Prior to APhA, Menighan was founder and president of SynTegra Solutions, Inc., in Germantown, Maryland. He also developed CornerDrugstore.com®, founded SymRx, Inc., founded and was a 20-year Medicine Shoppe owner in Huntington, West Virginia, and is a current partner in Pharmacy Associates, Inc.

Menighan is proud of his West Virginia and WVU roots. "I've met thousands of pharmacists," he said. "If we talk more than five minutes, they know I'm from West Virginia, that I went to WVU, and they will hear a little about my family. Certainly my WVU education prepared me to meet the challenges ahead, and it gave me something to be proud of."

Menighan's love for his alma mater spills over when you speak with him about the School and how it is educating our future pharmacy professionals.

"WVU alums should feel incredibly proud of their alma mater and the students who graduate today and enter practice," he said. "These new practitioners get a world-class education from one of the top schools in the country, and they gain broad perspectives about interprofessional team-based healthcare. They are given the tools to innovate by developing services that didn't exist in the previous generation. They are exposed to so many more career path options and gain an instant network of 'fans' — those of us who came before them and who want them to succeed."

Menighan is indeed a fan of our students. Through APhA, he sees the students in the APhA Academy of Student Pharmacists and all the service and leadership projects that they create and participate in to educate and improve the health of our citizens.

When asked about his time as a student, Menighan recalls that the first few years of the program were tough because it was a transformation to a new way of thinking and learning. In the fourth year of the program, everything fell into place about how what was being learned would be applied in practice.

"I remember Dr. Randy Prince* who began taking us on clinical rotations and challenging us to think on our feet," he said. "Sometimes it's the questions we get wrong that we remember the longest, like 'What is the normal level of bacteria in the urine?' I bounced back from not knowing the answer to that, and I learned how mistakes can teach as well as successes."

Menighan feels strongly about our future pharmacists taking their education and using it to provide the best care for their patients and advancing and advocating for the profession of pharmacy. He subscribes to, and has told other pharmacy professionals about, the three S's: show up, stay engaged, and serve. Show up means staying informed of your profession, stay engaged by being active in local and national organizations and connected to your alma mater, and serve by providing the best care you can and by reaching out and serving your community.

"Your primary objective is to master the knowledge base of pharmacy," he said. "Embrace lifelong learning. The healthcare system will continue to evolve to reward excellence rather than exercise, so you'll have to maintain your skills. With that firm commitment to master the science, the next step is to broaden your perspectives so you can fit your skills into the most productive and rewarding area of the profession for both you and the public. We have an awesome, and growing responsibility to advance effective medication use, and we have a lot of work to do. The public is counting on us."

**Dr. Randall Prince, former assistant professor at the WVU School of Pharmacy*

Hood Scholarship Recognizes Perseverance and Leadership

BY ANNA RITTENHOUSE



LINDSEY GLOTFELTY (L) ACCEPTS THE JAMES C. HOOD PHARMACY SCHOLARSHIP FROM MELISSA HOOD.

Melissa Hood, current P-4, and her family, have an appreciation for perseverance and determination.

Melissa grew up in Follansbee, West Virginia, and was very close to her grandfather, James C. Hood, until his passing in November 2010. A 1948 graduate of the WVU School of Pharmacy, James accomplished his goal of becoming a pharmacist despite having suffered the crippling effects of polio at age nine. He went on to establish Hood's Pharmacy in 1967, in Follansbee, which still operates today. Over the years, Melissa and her family watched as James took on leadership roles in a number of county, state, and local organizations in addition to running a successful business.

Melissa's father, Randy Hood, and her uncle, Larry Hood, recall their father's stories of how he climbed the hills of Morgantown to attend class, despite having locked knees and using a cane. James was the definition of perseverance, determination, and civic leadership to his sons Randy and Larry, as well as his granddaughter Melissa. To honor his legacy, the Hoods recently established the James C. Hood Pharmacy Scholarship to recognize students who exemplify these qualities.

This spring, Melissa awarded the inaugural James C. Hood Pharmacy Scholarship to **Lindsey Glotfelty, current P-3.**

To learn more about how you can establish a scholarship in honor of your loved one, please contact Anna Rittenhouse, Director of Development, at 304.293.7731.

RECOGNIZING EXCELLENCE

OUR DEANS

J. Lester Hayman
Raphael O. Bachmann
Louis A. Luzzi
Sidney A. Rosenbluth
George R. Spratto
Patricia A. Chase

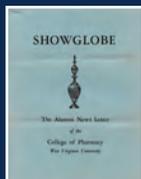
HONORARY DOCTORATES

2005: Dr. Michele V. McNeill, '75
2011: Mr. Thomas Menighan, '74
2013: Dr. Vicente Anido, Jr., '75
R.Ph., '78 M.S.

SHOWGLOBE THROUGH THE YEARS



1950



1956



1966



1971



1972



1973



1974



1975



1984



1990



2004



2005



2006



2007



2008



2011

During our Centennial, we would like to recognize our alumni who have served in the armed forces. The following article is an excerpt, reprinted with permission from Dr. Douglas D. Glover, '51, from his book "From the Everyday to the Extraordinary: West Virginia Pharmacists' Stories".

Behind the Counter to the Front Lines

Pharmacists, by virtue of their chosen profession, have always possessed a strong desire to serve their patients and the public. Similar to others in the healthcare professions, West Virginia pharmacists also responded to the call to serve their country in times of need. There are undoubtedly many stories of unsung bravery, heroism, or innovative problem-solving among the West Virginia pharmacists who served in the armed forces throughout our nation's history. Obtaining their stories is often difficult since many pharmacists might not feel their military actions were particularly noteworthy. In addition, some have died prior to recounting their exploits. However, as the following examples illustrate, West Virginia pharmacists have played an important role in our nation's armed forces.

One such pharmacist was Ralph Stevenson. Ralph Stuart Stevenson was 25 years of age when he enrolled in the College of Pharmacy at West Virginia University in 1948, more mature than many of his classmates as a result of his service in the United States 15th Air Force during World War II. As an aerial gunner/engineer, commonly known as a "ball turret gunner," on B-24 bombers based in Taranto, Italy, he had been promoted to the rank of staff sergeant. Ralph's selection as a gunner was based on body size: he was the only crewmember who could fit into the confined space of a ball turret. Ralph participated in Operation POINTBLANK the objective of which was to render the German Air Force (Luftwaffe) ineffective by the time the Allied forces invaded France in 1944. This was to be accomplished by destroying as many German planes as possible in the air and on the ground.

Ralph flew a total of 35 combat missions over a radius of 500 to 800 air miles from Taranto. Those missions included destroying a large Messerschmitt aircraft complex, shooting down a Messerschmitt 109 fighter and damaging a number of others, bombing a Luftwaffe base in Munich, destroying a ball bearing factory in Steyr, Austria, and bombing the Ploesti oil refineries in Romania where "the sky was filled with German fighters." Bombing raids such as these forced the Germans to decentralize aircraft production to over a thousand small factories, which decreased manufacturing efficiency and disrupted transportation. The success of POINTBLANK saved thousands of lives in the Normandy invasion and hastened the end of the war.

On his bomber group missions, Ralph needed to survive not only German attacks, but also on occasion his own comrades. Pilots arriving from the United States, particularly late in the war, were inexperienced and often poorly trained. On one mission, another B-24 flew directly in front of Ralph's plane. To evade collision, the pilot of Ralph's plane needed to quickly dive from 19,000 feet. It

wasn't until they reached 3,000 feet that the pilot could regain altitude and Ralph and his crew could regain their wits.

Ultimately, Ralph's luck ran out during his 35th combat mission on June 13, 1944. His plane was hit by ground fire from anti-aircraft batteries near Innsbruck, Austria. Three of the B-24's four engines were disabled, with failure of the hydraulic and electrical systems. The remaining engine was insufficient to maintain flight speed. Ralph, who had electronics training, was quickly summoned to assess the damage and given its severity, the crew bailed out. At this time, a German Messerschmitt 109 flew up alongside. The pilot of Ralph's ship manually lowered the landing gear, an unspoken indication that they were preparing to abandon ship, to which the German pilot waved in response and flew off. Taken prisoner on the ground, Ralph was subsequently held in two prisoner of war camps in Poland and Germany over a period of 11 months.

Ralph's prisoner of war experience was harrowing. The train carrying him to Barth, Germany, packed 50 prisoners in each car and held a total of about 3,000 prisoners of war (POWs). Large letters, POW, were painted on the roof of the cars to prevent allied planes from strafing the train. Only one rest stop was provided for the men to relieve themselves during the five-day trip, resulting in deplorable and unsanitary conditions. Many of the POWs died of dehydration or dysentery en route to their final destination. A fellow prisoner, an American medical officer, provided the only available medical care to the captives.

On arrival in Germany, Ralph found an overcrowded prisoner of war camp. There were insufficient beds, forcing many prisoners to sleep on the hard, cold floor. Food was almost non-existent and rations consisted largely of Red Cross parcels. Although Hitler had decreed that Air Force captives were to be executed, Ralph's camp commander defied Hitler's order. The cruel alternative, however, was slow starvation. In early February 1945, Red Cross parcels stopped coming altogether. The Germans, running short of rations, consumed the food intended for the prisoners. On the day Ralph was liberated by the Russians at the end of the war, he and his starving comrades observed freight cars loaded with Red Cross parcels they had been denied.

Despite his hardships, Ralph recalled that he was one of the more fortunate prisoners of war. He was one of the relatively few who were transported to prison camp by train, since most POWs were forced to travel across Germany by foot in bitter winter weather conditions. The attrition rate of prisoners forced to march long distances was much greater than those traveling by train, with many succumbing to disease and death along the way.

Following his liberation, Ralph was flown in a B-17 to Reims, France, and from there he was eventually repatriated to the United States. Ralph's 450th Bomber Group received two Presidential Commendations for their outstanding service during World War II. However, his return as a civilian was short-lived. After receiving his pharmacy degree and an ROTC commission, Ralph was ordered to report for active duty and was assigned to the 101st Airborne Infantry Division at Camp Breckenridge, Kentucky. Eventually transferred to the Medical Service Corps as a pharmacist, he rose to the rank of first lieutenant. He was separated from the service September 30, 1952.

Back in civilian life, Ralph initially practiced community pharmacy with Fred Allen in Marlinton, West Virginia, from 1953 to 1957. Ralph later worked as a pharmacist in several small southern West Virginia towns.

Eventually he moved to Concord, North Carolina, where he practiced as a pharmacist/manager of a Revco (now CVS) pharmacy for 17 years. Retiring in 1987, he continued to practice as a relief pharmacist until 1995. Ralph is now fully retired and lives in North Carolina.

SoP IN THE ARMED FORCES

S/Sgt. Ralph Stevenson
Class of 1951

Brigadier General
John Joseph "Jack" Halki
Class of 1950

Commander John P. Plummer
Class of 1943

Sgt. Leo Knowlton
Class of 1952

T-4 Clyde Eugene Reed
Class of 1951

Dr. Douglas Glover
Class of 1951

First Lt. Edward Rockis
Class of 1951

Captain James Fredlock
Class of 1951

PHARMACY STUDENTS/ ALUMNI WHO PASSED WHILE IN SERVICE

Robert John Campbell

Second Lt.
Ralph Raymond Ferguson
Class of 1943

George Charles Rangos

Major Michael Alonso Rafferty
Class of 1929

The above is courtesy of Dr. Glover's book. While this is not an all-inclusive list of alumni who have served in the armed forces over the years, if you would like to contribute your information, we can add you or your loved ones service to our files. Please e-mail adnewton@hsc.wvu.edu

Detection Using Ties that Bind



Dr. Letha Sooter working with student Cyrus Hajiran in her lab.

In a way, one could say that Dr. Letha Sooter's lab is all about detection – molecular detection that is.

Letha Sooter, Ph.D., assistant professor in the WVU School of Pharmacy Department of Pharmaceutical Sciences, focuses her research on identifying molecular targets and compounds that bind specifically to these targets. So what is the importance of finding molecules that target and bind to others? For military or law enforcement personnel, or patients with prostate cancer, this research could be lifesaving.

Military and law enforcement personnel face sometimes extreme circumstances in the field. Dr. Sooter and her research team are working to identify ways to alleviate potential dangers and prevent troops and officers from being the targets of bio-warfare agents and explosive devices.

One example of a bio-warfare agent is an exotoxin that kills cells quickly. If this toxin were to be placed in food or water and then consumed, it could cause serious harm or potential death. Sooter's team is developing a detection system for the exotoxin where a sample of the potentially contaminated food could be placed in a tube, a detecting agent would then be added to the sample, and if the exotoxin were present, it would glow.

Along a similar line of detection devices, Sooter and her team are researching the development of ways to identify molecules that are commonly found in explosive devices. For example, handheld, disposable devices that can detect the explosive material would be created and issued to those in the field. After using the device to test the item, it would be rapidly known if the item were compromised.

Another toxin-detecting research project focuses on wound care. Every moment matters if military or law enforcement personnel are infected. For certain infections, empiric treatment is possible, but if you do not know what the infection is, it is possible to make the condition worse. With this detection method, a

sample of fluid from the wound could be tested, and identification of the infecting organism would be complete in minutes.

"This test for the toxin could be completed at the hospital or at the site where the patient is," Sooter said. "Right now, identifying the cause of an infection may take up to a week to determine."

Sooter's targeted molecule research is

not limited to military and law enforcement, though. Her team is also focusing on prostate cancer detection.

Continuing with the concentration on targeted molecules, research is being conducted

for molecules that bind with prostate cancer cells for specific treatment and earlier cancer detection. This detection would decrease the potential for false positive tests for the disease.

Sooter's team has found an isolated antibody fragment that binds specifically to prostate cancer cells, and work is currently being conducted to take these results to the next level of research.

While finding the molecules that bind to specific targets in order to detect biological and explosive agents may take time, the work of Sooter and her team is undeniably important.

"The goal of my lab is to improve health outcomes. We do this by developing rapid biodetection systems, for everything from explosives to cancer," Sooter said. "Whether our detectors prevent injury or speed diagnosis, improved health outcomes are the result. It is personally very important for me to help safeguard our military service members. Freedom is not free. These brave individuals, their families, and their friends sacrifice so much so that we can live in this great nation. It is my privilege to serve them by designing better detection systems to improve their health and safety."

"Whether our detectors prevent injury or speed diagnosis, improved health outcomes are the result."

— Letha Sooter Ph.D.

Alumni News

Rebecca Wood Asher, '71

retired as Pharmacy Informatics Specialist from LewisGale Medical Center in Salem, Virginia, after 22 years of service, where she was also the recipient of the 2012 Frist Humanitarian Award. She is now working PRN with Parallon Pharmacy IT Solutions and is self-employed as a Pharmacy Informatics Consultant working with HCA International in London, England.

William Boothe, Jr., '01

clinical pharmacy coordinator at Atlantic General Hospital in Berlin, Maryland, was the recipient of the 2013 Preceptor of the Year award by students of the University of Maryland Eastern Shore.

Marlana Kay (Matheny) Burnside, '04

and her husband, Stephen, welcomed a son Daniel Robert Burnside on July 22, 2013. Daniel joined big sister Leah Grace Burnside (8/18/09).

Dani Dolin, '03

received the Excellence in Innovation Award at the West Virginia Pharmacists Association 107th Annual Convention in August 2014.

Zachary Post, '14

wrote a "Member's Journey" article for Industry Pharmacists Organization (IPhO), and it was the featured story for the month of August.

Jason Turner, '03

and his staff at Moundsville Pharmacy received Cardinal Health's Generation Rx Champions Award. The award was presented at the West Virginia Pharmacists Association 107th Annual Convention.

In Memoriam

Wayne Lewis Atkinson, '69..... December 1, 2013

Harvey P. Barton, Jr., '69..... September 1, 2014

John D. Blackburn, '55..... August 30, 2014

Marlene Book, '55..... June 7, 2014

Wallace F. Brannon, '57..... September 27, 2014

William F. Brown, '79..... February 2, 2014

Luther Louis Carter II, '71..... June 24, 2014

Jacqueline (Tonkovich) Copenhaver, '88.. September 5, 2014

Larry B. Craycraft, '59..... July 6, 2014

Ona Dingess, '01..... August 6, 2014

Nancy Drescher, '81..... May 11, 2014

Cecil "Buddy" Dunford, '69..... July 13, 2014

Mary D. Guido, '63..... January 26, 2014

Stephen Hospodavis, '65..... September 18, 2014

Carol Hudachek, '03..... June 14, 2013

Nicholas Mamakos, '49..... January 25, 2014

Almett N. Mosrie, '62..... May 16, 2014

Joseph Potoczny, '63..... May 9, 2014

Dr. David Riley, professor emeritus..... February 4, 2014

James W. Scarborough, '60..... September 11, 2014

Dr. James Shumway, '94-'95 interim dean ...October 10, 2014

Carol Ann Bond Smith, '55..... August 9, 2014

Harold Snyder, '69..... January 2, 2014

Robert L. Stiles, '63..... January 25, 2014

James W. Swearingen, '54..... September 11, 2014

Willard Dale Thacker, '49..... February 4, 2014

Patrick M. Thomas, '50..... May 14, 2013

Charles Turk, '68..... April 3, 2014

Faculty and Staff News

Welcome to our New Faculty



Gregory Castelli, Pharm.D., BCPS, a clinical assistant professor in the Department of Clinical Pharmacy and ambulatory care pharmacist with the new WVU Healthcare Outpatient Care Center. Dr. Castelli maintains a clinical pharmacy practice with the Departments of Family Medicine and Internal Medicine. In addition to providing pharmacy patient care services, he is an educator of pharmacy and medical learners including students and residents.

He completed his Pharm.D. degree at Wilkes University in 2012, and then completed a PGY-1 Pharmacy Practice Residency and PGY-2 Ambulatory Care Residency, as well as a Faculty Development Fellowship, at UPMC St. Margaret.

Castelli's interests include chronic disease state management of diabetes, asthma, and COPD, as well as interprofessional education and the advancement of the pharmacy profession. He is actively involved in the American College of Clinical Pharmacy and the Society of Teachers of Family Medicine.



Vincent Castranova, Ph.D., joins the School as a professor in the Department of Pharmaceutical Sciences.

A WVU alum with a Ph.D. degree in Physiology and Biophysics, Dr. Castranova is the former chief of the Pathology and Physiology Research Branch, NIOSH Health Effects Laboratory Division, in Morgantown. He is also an adjunct professor in the Department of Environmental and

Occupational Medicine at the University of Pittsburgh.

One of the world's leading experts in inhalant toxicology, Castranova's areas of interest and expertise also include physiology, pharmacology, and pharmaceutical sciences. He has published nearly 500 articles and has had significant grant support over the last 30 years in the areas of the pulmonary toxicity of heavy metals, coal dust, silica, fibers, and nanoparticles and elucidation of mechanism of disease initiation and progression. While much of his work has focused on inhalation of the toxins, he has a diverse background and is familiar with toxicity in multiple organs.

In 2008, the Centers for Disease Control and Prevention recognized Castranova with the 2008 Charles C. Shepard Award for Lifetime Scientific Achievement for a body of distinguished scientific work by a CDC employee that contributes to public health. The criteria for the award includes: scientific merit of the recipient's life's work, the impact of that work on public health, the recipient's recognition by his or her peers, and the recipient's professional leadership. He has also received other lifetime achievement awards from the American Conference of Governmental Industrial Hygienists, the Society of Toxicology, and the American Thoracic Society.

Awards and Achievements



(L-R) DR. S. SURESH MADHAVAN; DR. CHRISTOPHER C. COLEND A, CHANCELLOR FOR HEALTH SCIENCES; DR. ELIZABETH SCHARMAN, AND ANGIE FRAME

Three School of Pharmacy faculty and staff members were recipients of the Chancellor's Awards in April. The awards honor faculty and staff who have been recognized by their peers for their outstanding accomplishments at the Robert C. Byrd Health Sciences Center.

Angie Frame, office administrator, Department of Pharmaceutical Systems and Policy, was the recipient of the Staff Award for Clerical/Secretarial.

Dr. Elizabeth Scharman, professor in the Department of Clinical Pharmacy-Charleston Division and director of the West Virginia Poison Center, was the recipient of the Award for Outstanding Achievement in Service.

Dr. S. Suresh Madhavan, professor and chair, Department of Pharmaceutical Systems and Policy, was the recipient of the Award for Outstanding Achievement in Research and Scholarly Activities.

Two faculty members received awards at the West Virginia Pharmacists Association's 107th Annual Convention.

Dr. Jeremy Prunty, '11, assistant professor in the WVU School of Pharmacy Department of Clinical Pharmacy, received the Distinguished Young Pharmacists Award.

Dr. Krista Capehart, director of the Wigner Institute for Advanced Pharmacy Practice, Education, and Research, received the NCPA Pharmacy Leadership Award. Dr. Capehart has also been elected WVPA President.

A ceremony celebrating the investiture of **Dr. Paul Lockman** as the Inaugural Douglas Glover Chair of Pharmaceutical Sciences took place in February. The chair was endowed in the name of **Dr. Douglas D. Glover's**, '51, father, Douglas Glover.



(L-R) BARBARA GLOVER; DR. PAUL LOCKMAN; DR. DOUGLAS D. GLOVER; AND DR. CHRISTOPHER C. COLEND A, CHANCELLOR FOR HEALTH SCIENCES

1142 HSC North
PO Box 9500
Morgantown, WV 26506-9500

Address Service Requested

ALUMNI ASSOCIATION DUES

Renew (or start) your membership! Visit pharmacy.hsc.wvu.edu/alumni to pay online. As a reminder, complimentary membership for the SoP Class of 2013 will expire December 31, 2014.

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.

WVU RETIREES ASSOCIATION

The West Virginia University Retirees Association is a new organization whose purpose is to promote the interests and welfare of retired faculty and staff members and to benefit the University and greater community. It is free and simple to join. The membership application and further information is available online at retirees.wvu.edu.

WANT MORE INFORMATION?

Stay up to date on all SoP activities through:
pharmacy.hsc.wvu.edu
[Facebook.com/WVUPharmacy](https://www.facebook.com/WVUPharmacy)
[Twitter.com/WVUPharmacy](https://twitter.com/WVUPharmacy)
pharmacy.hsc.wvu.edu/linkedinwvupharmacy



UPCOMING EVENTS

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

- ▶ **Sunday, December 7, 2014**
ASHP Midyear Clinical Meeting
Anaheim Convention Campus,
Orange County, California
Reception, 5:30-7:30 PM,
Anaheim Marriott Hotel, Room TBA
- ▶ **March 2015**
APhA2015 Annual Meeting and Exposition
San Diego, California
Reception details TBA
- ▶ **April 2015**
WVSHP Spring Meeting
Reception details TBA

**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!**

- ▶ **May 1-2, 2015**
SoP Spring Alumni Weekend
Waterfront Place Hotel, Morgantown, WV
 - ▶ **Friday, May 1**
8 AM Registration and continental breakfast
9 AM-4:30 PM Education sessions
5-7 PM Alumni Weekend Kickoff Celebration
 - ▶ **Saturday, May 2**
5:30-10 PM WVU SoP Alumni Association
Banquet "Run for the Roses Derby Spectacular"
*Event to benefit the WVU School of Pharmacy
Alumni Association Scholarship fund.*