



PennState
DuBois

College Place

FALL 2017

YOUR CONNECTION TO PENN STATE DUBOIS



STUDENT RESEARCH:
**Black Bear
Impact**

HIGHLIGHTS

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Cover Student Alec Baker is pictured with a bear cub that was discovered during a whitetail deer fawn predation study for the Pennsylvania Game Commission in their northern study area in the Susquehannock State Forest near Coudersport, PA. Bears are trapped throughout the summer and fitted with ear tags with identification numbers that are then used to identify the individuals later. This information helps to determine population estimates.

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Above: Members of the DuBois Area High School Team took First Place in the BEST Robotics Competition at Penn State DuBois in October. Read more about their accomplishment on page 2.

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Chancellor M. Scott McBride performed service in the community alongside students during Outreach Day, as part of New Student Orientation at the beginning of the fall semester.

Greetings from Penn State DuBois!

I'm extremely pleased to present you with this autumn edition of *College Place* to share with you selected initiatives, activities and accomplishments since last spring and celebrate our alumni, donors, and community partners who have been instrumental to our success.

When I penned my first *College Place* letter in the Spring edition, I shared my observations about why Penn State DuBois is a such a special place. Now, after ten months of working with students, faculty and staff colleagues, community, business, and industry partners, and new friends and neighbors, my excitement about our campus, our DuBois area community, and our opportunities is unbounded.

Penn State's land grant mission is to educate and serve the citizens and communities across Pennsylvania. We exist to build an educated citizenry, solve universal problems, and fuel economic sustainability through innovation and entrepreneurship. Our students, faculty and staff, and thousands of alumni and countless friends, demonstrate Penn State's exceedingly significant impact on our communities each and every day.

Our campus' commitment to ensuring student success is at the core of our mission. The significance of this commitment deepens when we challenge them to achieve far more than they ever thought possible. We are preparing responsible citizens that can solve problems, lead our communities, and build a

positive future in our knowledge-based, technology-driven world. Earning a coveted Penn State degree has never been more important.

The impact that the DuBois campus has on our community is staggering. This is consistently demonstrated by the generous commitment of donors to scholarship endowments and other projects that enable our campus to fulfill its mission and sustain its service to the region.

I'm deeply committed to ensuring that Penn State's core values of integrity, respect, responsibility, discovery, excellence, and community are lived every day. I hope that you will continue to join with me and my colleagues to build on our strengths and partner together to capture opportunities. ▶

A handwritten signature in black ink, appearing to read 'M. Scott McBride'.

M. Scott McBride, Ph.D.
Chancellor and Chief Academic Officer

Education Helps Graduate's Small Business to 'Shine'

For Penn State DuBois alumna and small business owner Kristy Hanes, a rewarding career is all about the details. That is, the number of cars she details at her business, Kristy's Krystal Klean Kars, in the community of Kersey, in Elk County. An Elk County native, she launched the business while still a student, and after graduating with her bachelor's degree in Business Management and Marketing from Penn State DuBois this spring, dove into her work full-time.

"I've been interested in cars all of my life. From an early age, I knew I wanted to do something with them, I just wasn't sure how," Hanes recalled. "I first started washing cars with my grandpa and my parents, eventually learning a few things that led me to making a little money at it. Neighbors and friends started paying me to clean their cars, but it wasn't until I started working at Don's Detailing in St. Marys that I realized how big of a business auto detailing really is. There, I learned so many valuable things that eventually allowed me to start my own business."

Simultaneously, Hanes was learning what it takes to perform the work in an auto detailing business, while learning about running the business operations of a company through her education. In December of 2014 when she came to a crossroads as her employer merged with another company, the experience she had gained up until that point gave her the confidence to take a leap.

"I had a decision to make. I could make the switch, or I could venture out on my own. I decided that the second option was more beneficial for me in both the present and the future. Because I had the interest, knowledge, skill, and was working toward my bachelor's degree in Business Management/Marketing, I felt that this was something I could make a career out of. Shortly after finishing my sophomore year, I started Kristy's Krystal Klean Kars."

Hanes seized the opportunity of being a business major to use the resources available to her on campus to help establish her business. One class, in particular, helped her lay the foundation.

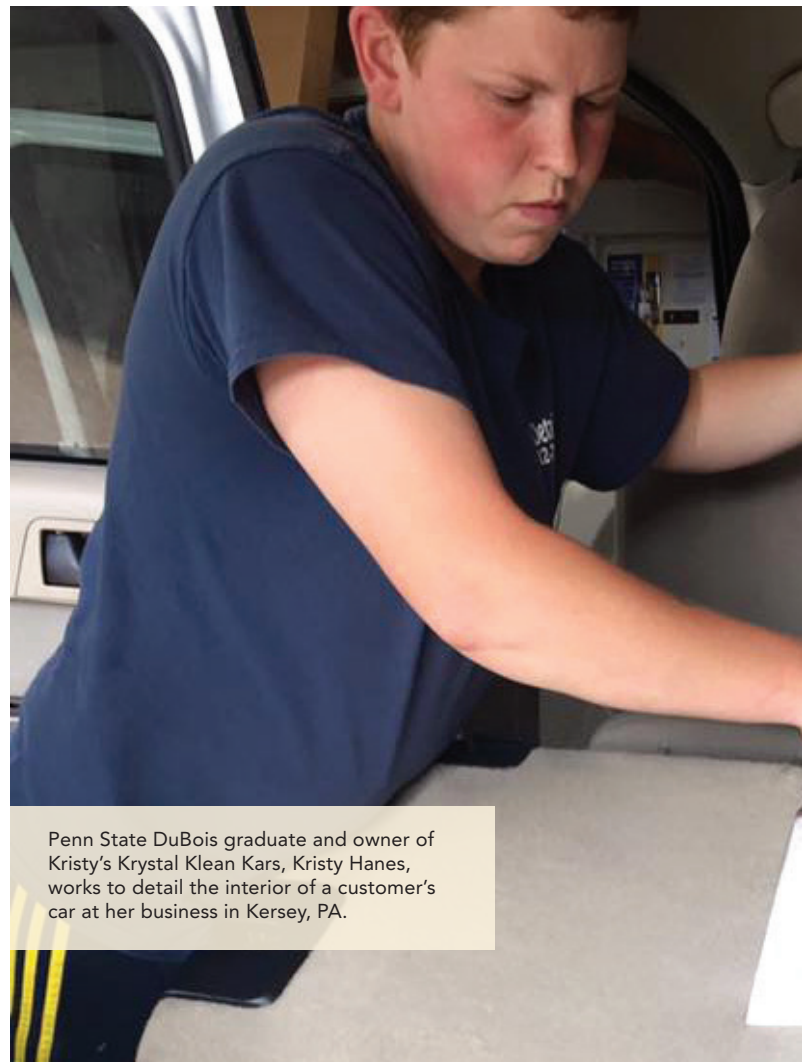
"My time at Penn State DuBois was very beneficial for me on both a personal and professional level. I tried my best to coordinate school projects with things I envisioned for my business. The best example I have is from my experience in BA250, Small Business Management. Throughout the semester, we worked through the pieces of creating a business plan for a mock business. Because I already had my business somewhat in mind, I decided to use it. I created Kristy's Krystal Klean Kars for that class, but never imagined the name would stay. As I completed my assignments, I actually felt excited because I could see how things could really work. I eventually used my business plan to help secure a \$50,000 loan for my building in the fall of 2016."

Instructor in Business Administration Annette Muth taught the course in which Hanes built her business plan, and is enormously proud of her former student's success. Muth said, "It's so gratifying

to see our students grow and go on to thrive. I feel that's why we are so lucky to be on a small campus. We get involved with and connected to our students. It's almost like raising our children. A success for one of our students is a success for us."

Muth said watching a student like Hanes prosper is a reminder of the impact educators can have, and an inspiration to always keep connecting with students. "Kristy was an exceptional student from day one. Everyone who has met her is touched by her drive," she said. "Students like her drive us to try even harder to reach every student, because we can see it pays off."

One measure of that payoff is the growth Hanes has enjoyed in her business since beginning. That new building she took out a loan for was open for business in May, just days after she graduated, allowing her to move the business from her father's garage where she started. She also has one employee working alongside her nearly full-time to help her keep up with the demand for her services.



Penn State DuBois graduate and owner of Kristy's Krystal Klean Kars, Kristy Hanes, works to detail the interior of a customer's car at her business in Kersey, PA.



“We were content with cleaning two cars per day for the past almost two years, but have turned that up to three since May of this year. In 2015, I’d say we did less than 100 cars between May and December. Last year, we did 162. Now, we do roughly 60 per month. We’re currently booked out over a month away,” Hanes explained.

The work of a small business owner is usually never done, and with the success, hours become long at times for Hanes. She said, “While I try my best to limit my working hours to Monday through Friday, 8:00 to 4:00, I get calls both before and after those times. I’m available through my Facebook page, so I have to respond in a timely manner. Along with that, customers often stop in throughout the day and may ask for things that I need to handle outside of the garage, so those kinds of things are running through my mind long after I leave. While I physically leave at the end of the day, I’m mentally working far beyond a typical job of 40 hours per week. I don’t necessarily have the benefit of clocking out.”

Those long hours, however, are worth it. Hanes clarified, “What I like best about having my own business is knowing that I did it for myself. While some people need external motivation, I’ve always been very self-motivated. I’m hard on myself, always pushing to be better. It’s very humbling to sit back and look at what I’ve already accomplished. If you love what you do, you’ll never work a day in your life. I love what I do.”

Hanes drew additional inspiration for going into business for herself from her parents, who started their own business, C&A Seamless Gutters, 23 years ago. When her mother passed away in September of 2015, she took over the bookkeeping, invoicing, depositing, and other tasks to help her father.

“My parents have always supported me in the things I’ve done and the decisions I’ve made. I’m lucky that my mom was here to help guide me in the first pieces of starting a business. She did a great job in preparing me for so many things, much of which I never realized until I had to take care of things and was able to,” Hanes said. “My dad has been a huge help, especially providing me with the comfort of knowing that he’s got my back both financially and as his daughter. He co-signed my loan with me and was there every step of the way as my building was being built. I’m from a great community both in St. Marys and through Penn State, so just about everyone I know pushes me to succeed. It’s exciting that so many people keep up with what I’m doing and want to learn more about it.”

In the future, Hanes plans to expand her business, hiring more employees and detailing six to eight cars a day. She may open additional locations, or branch out into other offshoots of the detailing business, such as automatic car washes. She’ll reach for those goals, as she reached for what she has already attained, by chasing down her dreams. Which is just what she would tell others to do who hope to achieve their own success in business.

“My best advice would be to follow your dreams,” Hanes shared. “You’ll come across people who think your idea is stupid or a waste of time. I had people ask me all the time if I really wanted to ‘wash cars for the rest of my life.’ Now, guess who cleans their cars? Everything starts somewhere. Every recruiter at every career fair was hired for the job because someone started a business at one time. If we’re all too afraid to start, we’ll never get anywhere. Take the risk, work a little harder, make your dreams a reality, and do whatever it takes to love your career.”

During her time as a student at Penn State DuBois, Hanes was active in a wide variety of student activities. She was a multi-sport athlete, playing golf, basketball, and softball. She served as a Lion Ambassador, Orientation Leader, Student Government Association Treasurer and Upper Class Senator, was a member of the Delta Mu Sigma Honors Society, and completed a marketing internship with the Office of Student Engagement. ▶

THE OPEN DOORS SCHOLARSHIP PROGRAM

available for one year only!

A 2:1 permanent match for endowed gifts to specific pilot programs that will help students with financial need to thrive at Penn State

Minimum gift: \$30,000, which becomes an endowment of \$90,000 with Penn State's match

Program timeline: July 1, 2017, through June 30, 2018, or until available matching funds are expended

Penn State has a long history and a proud tradition of opening the door to higher education for students from every economic background. Our University was founded to serve the children of farmers and laborers, and as the Commonwealth of Pennsylvania's land-grant institution, we remain committed to access and affordability. Rising costs and declining state support for higher education have resulted in tuition increases across the nation, and the burden has been especially hard to bear for those students—undergraduates who are among the first in their families to attend college or who come from low-income households and underrepresented populations—for whom a Penn State degree represents the greatest opportunity to change their economic destiny. **Ultimately, only 50 percent of students from the poorest households graduate within six years.**



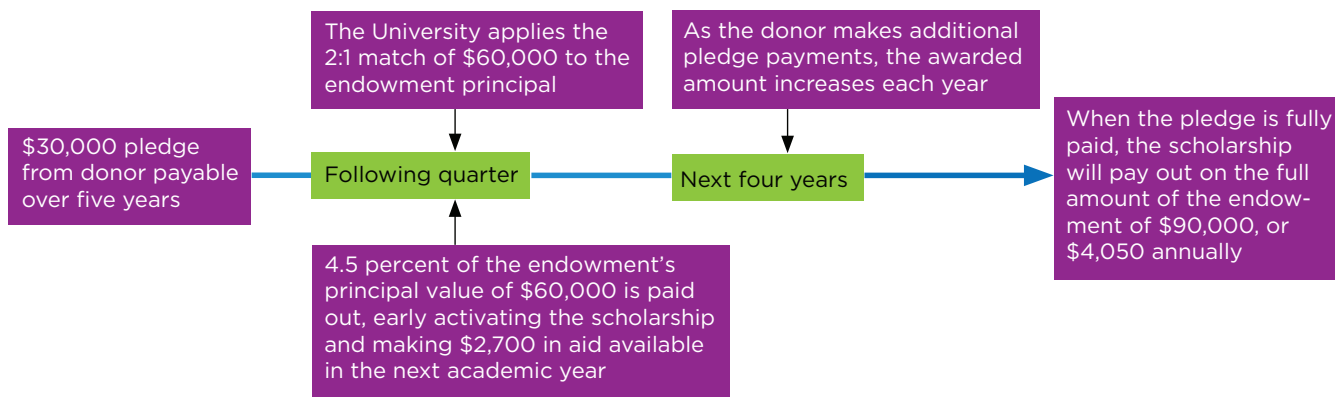
PennState
University Development

▲ **GREATER
PENN STATE
FOR 21ST
CENTURY
EXCELLENCE**

To address the financial, academic, and personal challenges that our undergraduates face in earning their degrees, the University has created a range of pilot programs that can help them to succeed (see next page). Alumni and friends can help to launch these programs and meet the urgent needs of students through their endowed gifts, and Penn State will **triple the impact** of this support by providing a permanent 2:1 match of donor gifts to the endowment's principal.

While donors may take up to five years to fulfill their pledges, the **Open Doors Scholarship Program** shifts funds from the University into new endowments immediately, so that students can begin benefiting from a gift in the semester after the scholarship is established, and your **commitment will help undergraduates both right away and far into the future.**

YOUR GIFT, PENN STATE'S MATCH



THE OPEN DOORS PILOT PROGRAMS

For many students, the greatest tuition increase of all becomes the need to extend their education over five years or more, as they balance full-time jobs with full-time course loads, struggle to make the transition to Penn State and between our campuses, and try to find their place in our academic community. The following pilot programs have been designed to keep students on track to their degrees. The Open Doors Matching Program is designed to create scholarships that support all of the pilot programs. Donors may restrict their scholarship to a specific college or campus and indicate a preference for one of the pilot programs. In awarding scholarships, the University will give priority to students with the highest level of financial need—presently defined as those whose families can cover only 25 percent or less of their educational costs.

Pathway to Success: Summer Start

(PaSSS): Launched in 2015, this program helps entering students to make the transition to a Penn State Commonwealth campus other than University Park in the summer before their first year, learning skills, establishing connections, and earning credits that will help them to graduate on time. Those who successfully complete the first session can return for a second summer.

Student Transitional Experiences

Program (STEP): Designed to help undergraduates who will be completing their degrees at University Park after spending their first two years at one of Penn State's other campuses, STEP offers a combination of scholarship support, special courses, mentoring, and other opportunities for students to

become immediately engaged in their new academic community.

raise.me: Students enrolled at specific Pennsylvania high schools serving low-income areas or those enrolled in the federal free lunch program, regardless of high school, can earn micro-scholarships toward their Penn State education by meeting goals that will lay a strong foundation for their future studies, such as "A" level work in their classes, perfect attendance, and participation in testing such as the PSAT.

Complete Penn State: Unexpected financial hard-ships—a parent's job loss, a family illness—can sometimes force undergraduates to leave the University even as the finish line is in sight. This program will provide aid/assistance to students when an unpaid bill or a gap in aid might otherwise keep them from graduating.

Smart Track: World Campus students face many of the same challenges as traditional students in their transition to higher education, as well as experiences specific to distance learners. The Smart Track program offers scholarship support, a two-semester course on academic and life skills, mentoring from peers and faculty, and assistance in becoming an engaged member of the World Campus community.

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At Penn State DuBois, donors are taking advantage of this unprecedented opportunity to make the most of their giving.

Ross Kester '69, a senior instructor in engineering who retired from Penn State DuBois in 2007, has established the William H. Keown Open Doors Scholarship, named in memory of his former colleague.

Donors **Christine Beretsel '86**, **Robert G. Johnson '71**, and the **Symmco Foundation** have also put their names on Open Door Scholarships that will help students with educational costs that they otherwise may not be able to cover on their own.

The door will remain open for this extraordinary opportunity to be the difference in the lives of students only through April. Contact Director of Development Jean Wolf to learn more about the Open Doors Scholarship program.



(Above, Right) Donor Ross Kester with Mary Ruth Wilson, daughter of William H. Keown
 (Above, Left) Donor Christine Beretsel with Chancellor M. Scott McBride



The Penn State DuBois group at POWDERMET 2017 in Las Vegas. From left to right: Instructor Stephen Feldbauer, students Logan Shirey, Christopher Stewart, Kyle Bear, Andrew Bigley, Kurt Diehl, and Nicholas Carrier, former student and currently a Research Technologist at the Department of Engineering and Mechanics at University Park. Unavailable for photo was Andrew Serafini.

Six Students Attend International Powder Metal Conference

For the Penn State DuBois General Engineering Program, what happens in Vegas doesn't just stay there; it's heard around the world. Six students from the program attended the international conference on powder metallurgy, POWDERMET 2017, this summer in Las Vegas, Nevada, and presented research there. Their participation in the conference was made possible by a student grant from the National Science Foundation; a grant the students qualified for due to the merit of the research they're conducting within their degree program.

"The grant for supporting students to attend the 2017 POWDERMET Conference in Las Vegas was competitive and open to all students from US colleges and universities. For our six students to be selected for this award was a clear testimony of how well our program is rated from the PM (powder metal) industry," said Assistant Professor of Engineering Daudi Waryoba. "It does demonstrate how significant our program is and its impact on the future of the PM industry. When students present at these national and international conferences, they do not only showcase their work, but also act as ambassadors for our campus. It does draw employers from across the PM industry to hire our students. This is one of the reasons our program has kept its record of 100% employment since its inception."

Stephen Feldbauer, an instructor in engineering at Penn State DuBois, accompanied the students to Las Vegas. He said, "The Grants from the NSF and MPIF (Metal Powder Industries Federation) provided these students a unique opportunity to make the connection between academics and current issues

that are important to the Powder Metal Industry, while making many new contacts with the industry's industrial and technical leaders."

Students presented work in the form of informational posters and academic papers explaining research projects they've conducted. The hands-on projects included the development of new methods to join together powder metal parts, and ways to improve quality and production of parts. Powder metal is used to produce parts for items most people use every day, unaware that this industry has made the production of these items possible. Powder metal parts are used in everything from cars, to household appliances. The students' work demonstrates real value and relevance to the PM industry, indicating how successful they've been in their academic studies. But, always looking to learn more, students also appreciated the additional educational experiences they had while attending the conference.

Student Kurt Deihl said, "I cannot state how much of an honor and privilege it was to receive this grant. I could have never gone to something like this on my

own. The educational value for anyone attending this event, especially with me being a freshman, is absolutely incredible. I came out of the event with a much larger understanding on, not just the academic side, but industry as well. I learned so much about technologies and processes that I previously didn't know existed. It also gave me a picture of the road ahead as I continue on the next few years with my education. I can honestly say that the road ahead is a bright one. After talking with many attendees, I can honestly say that there really is no limit to where I can go in the degree path that I have chosen."

Sharing the stage of an international conference with accomplished professionals is also a confidence booster for the students, who are able to see that their efforts make a difference to an incredibly important industry.

"Students are also encouraged to see that their work is worthwhile and acknowledged. It does motivate them to get involved more in undergraduate research, and inspire others to join them," Waryoba said. "At any university, rarely do you see a sophomore student, like Kyle Bear, presenting a paper at a conference and submitting an article to a high rated journal such as the Welding Journal. This is the caliber of our students."

Over 200 industry experts from around the world presented the latest in PM technology at POWDERMET 2017. ▀

Student Receives Grant for Research into Black Bear Impact on Agriculture

Alec Baker has had a life-long interest and passion for the outdoors and its inhabitants, especially black bears. This passion set the Clarion native on a path to enroll in the Wildlife Technology degree program at Penn State DuBois, and eventually led him to earn the Erikson Discovery Grant from Penn State's Office of Undergraduate Education. The grant has provided \$3,500 in funding for an independent undergraduate research project Baker conducted this summer. He gathered his information from the field through October, and is processing his findings this fall. His focus is on the impact black bears have upon agriculture in Pennsylvania, and to discover solutions that will help to minimize crop damage caused by the animals.



Student Alec Baker is pictured with a bear cub that was discovered during a whitetail deer fawn predation study for the Pennsylvania Game Commission in their northern study area in the Susquehannock State Forest near Coudersport, PA. Bears are trapped throughout the summer and fitted with ear tags with identification numbers that are then used to identify the individuals later. This information helps to determine population estimates.

“It’s just a species I was fascinated with as a child,” Baker said, recalling his motivation to pursue research on bears. “Pennsylvania has one of the best and largest populations of black bears in North American, and that’s just interesting.”

The size of that population, however, can come with some inconvenient consequences for some, including Pennsylvania’s farmers. Baker is especially interested in studying the impact bears have upon the state’s corn crop, including how extensive the damage is that they inflict, as well as what times of year the largest impact is made. His hope is that answering these questions will help farmers and game managers to better prevent crop damage, and to fill in some holes in crop protection information regarding bears, whose impact on corn crops have not been studied as extensively as other species.

“I would like to find some of the missing pieces we don’t know about bear related crop damage. We know a lot about crop damage caused by deer, but not much about bear,” Baker said. “This will benefit farmers as well as the general public, so we can better understand how bears influence agriculture and implement better management tactics using the results.”

Baker has conducted his research primarily using Clarion County as his study area. He has obtained nuisance bear reports for crop damage from the area, dating back to the year 2000. He will chart trends in the data through these years, mapping sites using GIS software, and monitor sites for continued activity using cameras. Solutions for prevention of further damage could include the trapping and relocation of

nuisance bears by the Pennsylvania Game Commission.

Baker is among 83 students from all Penn State locations who received the Erikson Discovery Grant this year, out of 219 who applied. The students will use the funds to immerse themselves in original research, scholarship, and creative work under the direct supervision of a faculty member. The experience provides active, hands-on learning for students, helping them to prepare for careers in their chosen fields. Baker, for instance, just completed his sophomore year in the Wildlife Technology associate degree program, and will go on to earn a bachelor’s degree in Wildlife and Fishery Science. Graduates of these programs often find successful careers in wildlife management, environmental conservation and reclamation, and more. As an undergraduate student, Baker is performing work during this project that professionals already working in these fields often undertake. To be funded through a research grant, Baker said, makes the honor to have this opportunity even greater. He recalled getting word he’d received funding, saying, “It was just mind blowing. I feel very accomplished.”

Senior Instructor in Wildlife Technology Keely Roen is serving as Baker’s faculty advisor on this project. She said earning this grant award was a great achievement, and speaks to the importance of the research, as well as Baker’s diligence during the application process.

“I didn’t doubt Alec was a great candidate and that his work was grant worthy, but knowing how competitive the grant process is, it’s really exciting to see that this deserves such merit,” Roen said.

Baker has volunteered with the Pennsylvania Game Commission since 2013 to trap and study black bears. He also worked this summer as a whitetail deer biologist aid with the Game Commission, trapping and relocating bears in areas where they may pose a threat to deer populations. ■

Pictured in front, left to right, are Associate Professor of Economics Evelyn Wamboye and Career Services Coordinator Anna Akintunde, with students Cortney Hedlund, Cintia Zwick, Lisa Sargent, and Austin Sabatucci.

In back, left to right, are students Cathy Provost and Saisree Medapally.

The group captured this photo at Neptune Fountain, in front of Rotes Rathaus (the city hall in Berlin). The Roman god Neptune is in the center. The four women around him represent the four main rivers of Prussia at the time the fountain was constructed in 1891.



Honors Students Enrich Their Education in Berlin, Germany

A group of six honors students from Penn State DuBois seized a unique opportunity to bolster their education through international travel this spring. Following the close of the academic year, a faculty coordinator for the honors program, Associate Professor of Economics Evelyn Wamboye, along with Career Services Coordinator Anna Akintunde, oversaw the students on the trip to Berlin, Germany.

“Half of the students who participated in this trip had never travelled outside of North America, and therefore, this was a unique experience for them in that respect,” said Wamboye. “But, even for those that had previously travelled abroad, a visit to Berlin was very educational in many ways. Germany, and Berlin in particular, has a rich history that resonates with many people around the world.”

The mission and vision of the Penn State DuBois Honors Program includes the goal of building a global perspective for students, as well as achieving academic success with integrity, and creating opportunities for leadership and civic engagement, while educating men and women who will have an important and ethical impact on the world. Wamboye said this trip was an exceptional tool that helped to further that mission.

“The students had the opportunity to relive this history through the eyes of very knowledgeable tour guides,” Wamboye said. “For example, we had a full day tour of the Sachsenhausen concentration camp, which is on the outskirts of Berlin. Moreover, we visited the location of Potsdam conference that decided Germany’s fate after WWII, and the ‘Bridge of Spies’ in Potsdam. In Downtown Berlin, we had

the opportunity to walk down the famous Unter den Linden, visited the Berlin Wall, Brandenburg gate, the Holocaust Memorial, the site of Hitler’s bunker, the Reichstag, and Checkpoint Charlie, among others.”

The students embraced the opportunity for the learning experiences, as well as the historical and cultural enrichment it provided. Student Lisa Sargent recalled, “Being afforded this opportunity allowed me to venture beyond the four walls of our beloved University and experience the rich culture of another country. Berlin holds so much history within its borders and this trip allowed me to further learn about, and appreciate very monumental moments. There are few things more humbling than walking through a concentration camp or running your fingers along the walls of a bullet ridden building from WWII, and I appreciate Germany’s recognition and remembrance for not only the victories, but also the moments we pray are never again repeated.”

Fellow honors student Cintia Zwick shared, “Seeing this trip from initial planning and research to reality was amazing. I learned that, more than a war site, Berlin is a place full of diversity, great food, and beautiful architecture. It was important

seeing historical sites, but the biggest mark Berlin left on me was the German warmth, friendliness, and feeling of freedom.”

An additional component of the trip that added to the participants’ cultural experience was the diversity of the group itself, and their varied nationalities and backgrounds. Zwick comes from Brazil, Saisree Medapally is from India, Wamboye from Kenya, Akintunde from Sweden, and students Austin Sabatucci, Cortney Hedlund, Cathy Provost, and Sargent all from the United States.

“How can you add to that, except to say another honor was being with such a diversified group of students and staff from five different countries and different majors who attend our campus, and getting to know them on a more personal level,” student Cat Provost said.

Looking back on the trip, Wamboye said, “At the end of the day, it is my hope that the students took away something from this trip that will be life changing. After all, Penn State DuBois honors program’s vision is to educate men and women who will have an important and ethical influence not only here in the U.S., but also around the world; affecting academic, professional, civic and business outcomes.”

This international travel opportunity was made possible by funding through the honors program, as well as the student activity fee. ▾

DuBois Area Sweeps BEST Robotics Competition

DuBois Area High School took first place in the BEST (Boosting Engineering, Science and Technology) Robotics Competition held in the campus gymnasium in October. Not only did the team come out on top of the overall BEST competition, but they captured first place in several of the sub-competitions, including the specific robotics course contest, the engineering notebook, the software award, and the marketing portion. DuBois also captured the Chancellor's Award during a bonus round on the robotics course, which nets the school \$500 to be used toward travel expenses when they head to North Dakota State University for Northern Plains BEST Regional Championships to be held November 29, though December 1. Also receiving bids to travel to the Northern Plains Championships from the Penn State DuBois hub are number two, Redbank Valley, and number three, St. Marys Area, for their performance in the robotics obstacle portion.

Taking the top spot in BEST means the team's performance in robotics, their engineering design notebook, marketing plan and other areas of the competition were all tallied and combined for a total score. Second and third place spots in the overall BEST Competition went to Redbank Valley and Cranberry Area, respectively.

BEST is a national robotics competition for middle and high school students. The BEST organization provides all necessary parts and equipment for teams to build a robot that they can use to run a course and perform specified tasks. This year's theme is titled "Crossfire", and is based on firefighting tactics. The robots had to be built within a six-week time frame. During the contest, all teams ran the course, competing for the best times and course completion. Through participation in this project-based program, students learn to analyze and solve problems utilizing the Engineering Design Process, which helps them to develop technological literacy skills. The goal is to better prepare these students for further education and careers in STEM fields, (Science, Technology, Engineering and Mathematics). This is the fourth year the competition has been hosted at Penn State DuBois.

Schools participating in BEST this year are DuBois Area, Clearfield Area, Clearfield County Career and Technology Center, Redbank Valley, St. Marys Area, Brockway Area, Cranberry Area, Oil City, and Philipsburg-Osceola.

"There was some stiff competition. St. Marys came out really strong," said Jennifer Keith, physics teacher and BEST coach for DuBois Area High School. "The kids work so hard and put so much time into this, after school and on Saturdays. It's really rewarding to see them enjoying what they do and to know they'll again represent our part of the country at the championships."

St. Marys coach Heather Beck said of her team getting a bid to the next level, "It's a little surreal. I think the kids are really excited but also nervous. But seeing them go through this process helps them see what they learn applied to real life situations."

Teams also compete and receive awards for those additional parts of the contest to help provide real-world lessons in other areas outside of engineering, as well. They compete in marketing, exhibition, sportsmanship and spirit, software design, and are judged on their project notebook. In marketing, DuBois took first, Cranberry second, and Brockway third. In exhibition, DuBois took first, Redbank second, and Oil City third. In spirit and sportsmanship, Redbank came in first, Oil City second, and DuBois third. In software design, DuBois claimed first, Redbank second, and Cranberry third. And in the notebook, DuBois took first, Redbank second, and Oil City third.

Overall, the students are exposed to a variety of career fields that may interest them according to differing aptitudes.

Penn State DuBois Instructor in Engineering and BEST Hub Director Steve Feldbauer said, "We bring top students from our area school districts to campus and get them to interact with faculty. They see that we are real people and approachable, and that Penn State DuBois is not just a great place to learn, but also a place where you can have a lot of fun." Feldbauer continued, "This year's competition was excellent. The teams really stepped up their game from previous years; the complexity of the robots was much greater, and the students were really having a lot of fun."

BEST at Penn State DuBois was made possible by sponsorships from Barnes and Noble, alumna Christine Beretsel, Dave and Francie Spigelmyer, Miller Welding and Machine, Atlas Press Metals, Eastern Sintered Alloys, Joe and Pat Kirk, and friends of Penn State DuBois.

More information about BEST at Penn State DuBois can be found at <http://dubois.psu.edu/best> ▶



Members of the DuBois Area High School Team celebrate taking First Place in the BEST Robotics Competition at Penn State DuBois in October. They'll advance to BEST Regional Championships to be held at North Dakota State University.

Service Trip Alumni Reunite to Volunteer in South Dakota

A lasting legacy at Penn State DuBois of serving others in need was apparent this summer. A group of alumni who participated in past Alternative Spring Break (ASB) service trips reunited and carried out their own, independent service trip to the Lakota community in South Dakota.

In all, seven individuals made the trip. Louise Whyte-Aravich, Evan Aravich, Chris Albert, Jessica Metzger, Melissa Chicola, and Greg Myers are all campus alumni who participated in service trips during their time as students. Additionally, Instructor in Human Development and Family Studies Marly Doty, who has organized the Alternative Spring Break trip through Penn State DuBois for the last decade, participated in this independent trip.

The purpose of this trip was the same as all of those campus trips before it: to help others in need, and to serve communities that need a hand overcoming obstacles like poverty and homelessness. In South Dakota, the volunteers worked with the Pine Ridge Agricultural Initiative on the 2.8 Million acre Pine Ridge Lakota Reservation. It is among the poorest areas in the country, with an average life expectancy of only 48 years old. Diabetes is epidemic. The suicide rate is more than twice the national rate, as is the rate of heart disease. Unemployment is between 80-90%. The health crises are a result, largely, of limited access to whole foods, leaving unhealthy processed options as the only thing for the people there to put on their tables.

The Penn State DuBois alumni volunteered through global service group Amizade to assist the Pine Ridge Agricultural Initiative in their mission to create a sustainable future for the Lakota who live there by providing access to healthy food, adequate housing, and gainful employment. Efforts are just getting underway, as the Penn Staters were only the second group to volunteer at this site through Amizade.

“Over the years, we have built a close relationship with Amizade, a non-profit organization out of Pittsburgh, focused on sustainable service partnerships. Amizade has a global switchboard and works

tirelessly to make the world a better place alongside, not in front of, the community being served. This is crucial and something that makes them unique. They don't take money from people to do things that don't need to be done or are needed by the community,” Doty explained.

The volunteers helped with preparing and maintaining gardens, gathering firewood, completed renovations on residents' homes, and helped to renovate a cabin where future volunteers will stay during their service. They also took on a project to make a building where many cultural ceremonies are held accessible for people with disabilities, as many individuals have had legs amputated due to complications from diabetes.

Louise Whyte-Aravich, who also worked as a Student Activity Assistant on campus after graduating, said, “Service has always been something I have enjoyed and have been incredibly passionate about, and this trip to the Lakota Reservation in Pine Ridge was above and beyond anything I had experienced before. We originally selected this site because many of us had participated in service on the Navajo Reservation and became more educated on the history of Native Americans and the injustice that currently occurs in our country. We were also very excited as one of the trip participants works and lives at Standing Rock and we wanted to learn more about the Lakota culture and history as a result of knowing him and his journey.”

That participant living and working at Standing Rock is Chris Albert, who got inspiration for his entire career path by taking part in an ASB trip as a student. He said, “I currently live and teach high

school on Standing Rock Reservation in northern South Dakota so, I fully grasp ‘reservation life.’ Most of the country doesn't understand the impact that high poverty and unemployment, as well as high rates of homelessness and alcoholism, have on those living on the nation's reservations. I'm glad that Amizade has taken an interest in South Dakota's Native people with its Pine Ridge initiative.”

Albert continued, “It was due to my first (and only) Amizade sponsored Alternative Spring Break to the Navajo Reservation in 2012 that changed the trajectory of my career plans. I hadn't thought much about where I wanted to teach until that week in 2012. Afterwards, I focused my efforts on obtaining a job on a reservation, and just prior to graduation in 2014, I accepted a position at McLaughlin High School.”



(Right) The ASB Alumni completed a number of tasks as part of their service experience on the Lakota Reservation.

Part of the picture Albert sees through his work became clearer to other participants during the trip. A contributing factor in the epidemic poverty on reservations is the loss of culture. Regulations placed upon Native Americans in the 19th Century, and even in much of the 20th Century produced a loss of cultural identity and pride, as well as the ability to practice many of the ways in which the people could sustain themselves.

Evan Aravich explained, “Out of all the service sites I have traveled to, Pine Ridge was by far the most powerful. The Oglala Lakota, along with all First Nations tribes, have experienced elevated levels of cultural genocide, and I felt a strong calling to further understand institutional measures that were put into place that forced the members of the tribe to suffer what we refer to as cultural genocide. Things such as treaties granting sovereignty over the Badlands which was later reneged due to the Gold Rush. Although we have learned, albeit briefly, the negative impact the United States government has had on First Nations it is completely different to see it and surround yourself with it. No amount of words can adequately describe the institutionalized racism, discrimination, and cultural genocide that continues to occur against the Oglala Lakota tribe. I am so thankful for the opportunity to develop a further understanding of the challenges faced by First Nations and to continue to advocate on their behalf.”

Aravich speaks to why part of service at these sites for all of these ASB veterans has always been more than the physical work they complete. Becoming familiar with the culture of the people they serve and learning about their way of life offers hope and fulfillment to those individuals.

“We were completely immersed in the culture and ways of the Lakota. From day one, they greeted us like family and their generosity and giving spirits were never ending,” said Whyte-Aravich. “It was incredible to learn from our new friends, first hand, and hear their stories. They taught us everything they could about their ceremonies, celebrations, and history. I learned that there is a purpose and a beauty to everything they do. They are not angry people even after all the hardship they have went through, everyone we met were forgiving of the past and hopeful for the future. It was a learning experience not only educationally, but also mentally and emotionally. The physical service we competed there was important but not nearly as important as the cultural immersion and becoming educated about the Lakota people.”

Doty agreed, saying, “Service is about having a conversation with a stranger and learning their story without feeling the need to tell yours. It’s really listening. It’s about doing something without questioning if that is truly what someone needs when we have different values. It’s not standing on a hill and yelling down what we think they should do or what they need. Service is about letting go of everything we carry around with us and focusing our energy on making a complete stranger’s life a little brighter.”

“Welcoming, kind, inspiring, genuine, humble: the Lakota. One of the most powerful and influential trips I’ve been on,” echoed Melissa Chicola.

The group came to know Lakota culture intimately through taking part in ceremonies such as sweat lodge, and a traditional funeral. They also became educated on the processes of the sacred ceremony

of the Sundance. Sweat lodge is a rite of purification in Lakota culture, taking place inside a dome made of wood and covered in hides. Hot stones are used to heat the structure to overwhelming temperatures, causing those inside to sweat and be purified as they offer prayers. The Sundance is a traditional ceremony that represents life and rebirth. The entire ceremony lasts eight days, with most of the dancing, sweat lodges and meditation taking place the final four days, from sun up until sun down. Those Lakota invited to take part must spend a year in preparation through sweat lodges and meditation, and must make a four year commitment to the annual ceremony.

Staying true to form, those who served on this trip plan to continue to support Pine Ridge.

Aravich-Whyte explained, “So now, our small group are working on ways to continue our relationship with our new friends while educating the people around us about what we learned. I am so honored to have been a part of this trip, to know the people we worked with, and to have spent it with some great friends and PSU alums. I am eager to go back and assist in their continued efforts for food, health, and economic sovereignty, as well as justice and equality as citizens of our nation.”

Doty added, “Our time spent with the Lakota people is one I truly will never forget. I have never met such kind, open, and welcoming people in my life. Despite the transgressions our people have committed against these people, they welcomed us. They hold strongly to the belief of forgiving and reconciling. Our team is coordinating efforts to fundraise for a tractor for the Pine Ridge Agricultural Initiative. These people have had so much taken away from them, merely having access to fruit and vegetables is a huge feat.”

The legacy these volunteers carry forth from Penn State DuBois took root in 2008, when Doty first began working at the campus. She recalled, “When I coordinated and ran our first Alternative Spring Break trip with four students, I never dreamt it would turn into the network it has today. We started that first year with a small team that wanted to do something to help what was happening in the south after Hurricane Katrina. Since then, we have visited there three more times.”

Penn State DuBois ASB trips have served people in Washington D.C., New Orleans, Mississippi, the Navajo Nation, West Virginia, and Tennessee.

“Over the years, it has been my privilege watching students go through layers of their own identity to figure out what the social ills of others means to them and how they can do something about it,” Doty recalled. “When I started our alternative spring break trip 10 years ago, I never imagined it would have such an impact on students. From this program, we have had a number of students go into social work, apply for the Peace Corps, participate in Teach for America, and join boards in our community to continue to serve in our own community. This trip earmarked a legacy. A decade of growth and change for our students and a direction for their future.” ▶

Students Reach Out to Local Seniors for National Fall Prevention Initiative

Students in the Penn State DuBois Physical Therapy Assistant (PTA) program have helped to restore confidence and freedom to some local senior citizens through a fall prevention program. The students held a workshop at the DuBois Senior Center on the first day of fall, a day that the National Fall Prevention Awareness Initiative is held each year. The initiative is the result of a collaboration between the National Council on Aging, the American Physical Therapy Association, and the American Occupational Therapy Association.

According to the National Council on Aging, each year one in four Americans over the age of 65 is injured as a result of a fall. Falls are also the leading cause of fatal and non-fatal injuries for older Americans. The workshop the PTA students provided for individuals at the senior center is aimed at reducing the risk of falls by identifying for participants what risks they have, and how severe that risk might be. Based on an assessment, the students were able to advise those people on exercises they could perform to strengthen their body in order to reduce the likelihood of taking a fall. The assessment was based on an individual's performance during a set of exercises such as sitting and standing, walking, bending, and more.

"I really feel this is helpful. I'm going to do these things they told me to try," said DuBois resident Judy Dunlap. "I'm legally

blind, and I do feel that makes more of a risk for me."

For the students, who are preparing for careers in the physical therapy field where they'll have direct impact by providing therapy to patients, the real-world experience is also helpful for them.

"They practice in the lab on each other, but now they're with real people; this is real," said Assistant Teaching Professor of Physical Therapy Barb Reinard. "Until now, they've only worked on each other. They'll go to clinicals in December, so this is helping them to prepare to work with real patients when they begin their clinicals."

Student Hannah Eckert said, "It was really nice to get hands-on experience working with real people. It was a nice way to apply everything we have been learning in the classroom. I liked educating real people on

their balance and how they could improve to prevent falls. It was fun to get out of the classroom for a day and apply what we've learned."

"This experience really enhanced my education," said student Logan Hutton. "We practice on each other in the classroom, but everyone is physically able to perform every exercise. This showed me that some people can't perform every task without struggle."

In many ways, this type of experience will enable students to better serve their patients when they transition to professional healthcare providers. Reinard said, "Some of the unexpected things students see is how people try to hide their limitations. It's a pride thing. They don't like others to see that they can no longer do things they used to be able to do. This helps these students develop those interpersonal skills to be able to react appropriately to people with health issues."

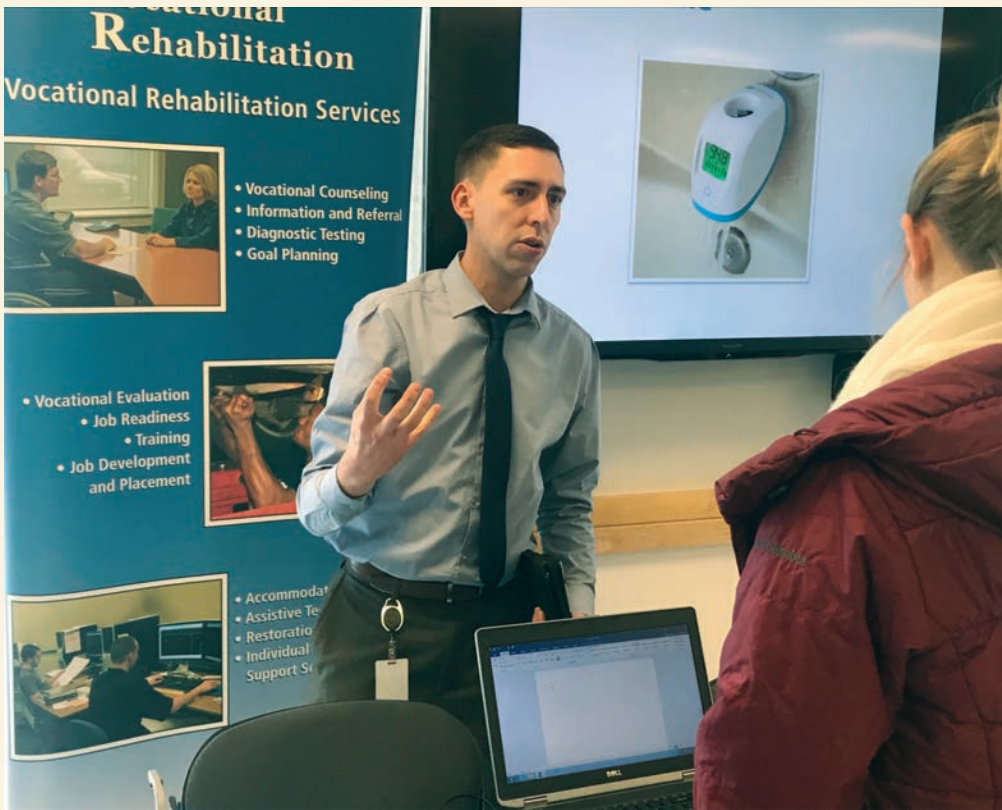
"I learned how to better interact and explain what I know. I learned more about explaining balance, risks for falls, and what people can do to improve," Eckert said. ▀



Penn State DuBois Physical Therapy Assistant students Kelli Walker, center, and Christa August, right, assess DuBois resident Judy Dunlap's risk for falls during a fall prevention workshop at the DuBois Senior Center.



Seniors like Judy Dunlap benefited from learning their fall risks by participating in a variety of tests and exercises.



Assistant District Administrator with the Office of Vocational Rehabilitation Mike Jacobson demonstrates new technology that can help people to complete tasks at work or at home.

Students, Patients Learn about Latest Technology for Those with Disabilities

An Assistive Technology Fair was held at Penn State DuBois in November, hosted jointly by the campus Occupational Therapy Club and the Pennsylvania Department of Labor and Industry's Office of Vocational Rehabilitation (OVR).

The event featured a dozen vendors from around the area who offer specialized equipment to assist people with special needs in completing tasks around their home, in the classroom, or at work.

The fair was open to the public, and featured live demonstrations of devices, as well as opportunities to learn how to properly evaluate assistive technology needs. Representatives from local providers, as well as OVR, were also on hand to provide consultation and information.

Featured equipment included wheelchairs and lifts, specialized keyboards and other computer equipment, household upgrades, such as accessible bathroom fittings, and more.

Organizers hope members of the public who have needs for such information and devices could benefit from a one-stop environment where they could gather information.

Mike Jacobson, the assistant district administrator for OVR said, "This is about raising awareness. When people think about this kind of technology, they usually just think about things like helping people get up stairs or out of bed. There's much more than that. There are devices that help people at work, to participate in hobbies and leisure, and more. It's about getting people in here to see what technology can do for them."

For students in the Penn State DuBois Occupational Therapy Assistant (OTA)

program, as well as the OT club, the firsthand experience benefits their education and helps them to become familiar with devices they'll likely use in their careers to assist patients.

LuAnn Demi, senior instructor in the OTA program said, "There's only so much we can present to students in terms of equipment when we're in the classroom. There's so much high tech equipment here. These are things that we otherwise may only be able to show them in a book. Here, they can be hands-on with it. To have this opportunity for the students to see these things is great." ▀



Chancellor M. Scott McBride, left, was joined by Assistant Professor of Engineering Ram Rajagopalan at the meeting of the Rotary Club of DuBois.

Chancellor, Engineering Faculty Welcomed by Rotary

In a continuing effort to strengthen community relationships, Penn State DuBois Chancellor M. Scott McBride, as well as Assistant Professor of Engineering Ram Rajagopalan, made presentations for the Rotary Club of DuBois at the group's meeting in October.

McBride said, "Often, we become so immersed in our own work that we forget to keep our neighbors and community partners informed of what we're doing, and what we could offer them. Visits like this help to keep our partners up to speed on our work, and on ways we might be able to collaborate to strengthen our community."

McBride spoke of the campus' role in the community as an educational and cultural resource, inviting community leaders at the meeting to take advantage of things like public programming offered there.

Rajagopalan spoke specifically about engineering programs offered at the campus, explaining that both two and four year degree programs are available. He noted that the programs afford students a wide variety of opportunities to participate in research with their faculty members. The bachelor's degree has a heavy focus on the powder metal industry, which is a field with a high demand for trained employees. For this reason, 100% of the students graduating from the program are hired into a position, often even before they graduate. ▀



Members of the Penn State DuBois HDFS Club sort items and assemble care packages to deliver to area shelters for the holidays.

Students Deliver Holiday Care Packages to Those in Need

Members of the Penn State DuBois Human Development and Family Studies (HDFS) Club have made efforts to make the holidays brighter for some area residents. The club members packed up and delivered care packages to four organizations that serve people in need, including people who are homeless, those going through a crisis, and youth being counseled at a residential youth center. Those organizations are Haven House in DuBois, Capsea in Ridgway, Pentz Run in DuBois, and Crossroads in DuBois and Punxsutawney. The packages were delivered just in time for Thanksgiving.

"A lot of these organizations are non-profit and they may not be able to always get the things they need to keep them operating or to serve the people they help," said student club member Kasie Fields.

To help those organizations provide their clients with everyday services, the students sought donations of household items to make up the care packages. Those items include nonperishable food, personal hygiene products such as soap, shampoo, and toothpaste, paper products, cleaning supplies, and more. All told, the students collected more than \$600 worth of items, which will benefit dozens of individuals through the four organizations served.

"This is needed everywhere, not just in our area," Fields said. "This is our way to contribute to members of our community, especially around the holidays."

The impact the project has on students is close to home for HDFS majors. Students in this program are studying to enter careers in social work, as counselors for addiction treatment, behavioral health, and probation. In their careers, they likely will be involved with organizations and their clients such as the ones they have touched through this project.

"The students get to see why they are earning that degree. That they're making a difference and helping people," said Jessica Clontz, an HDFS instructor and advisor to the HDFS Club. "This is the second annual care package collection the club has done. We saw last year that there was a real need, so we made this an annual event because there was a real impact."

Clontz said the collection effort was something community members got behind, too. She said, "The community had a great response to this and to making donations. We're thankful for the support we got from the community." ▀

From Addiction to Victory: Student Makes Inspirational 'Run' to Athlete of the Year

The Penn State DuBois cross country runners ended their season with flare in November at the USCAA National Cross Country Championships at Virginia Beach, and history was made for our hometown campus.



Runner Rebecca Maine and Coach Kyle Gordon with Maine's Student Athlete of the Year Award at the USCAA Banquet in Virginia Beach.

The high-marks of the weekend started at the Champions' Banquet which was held at the Virginia Beach Convention Center. Penn State DuBois' own Rebecca Maine was honored with the United States Collegiate Athletic Association's (USCAA) Student-Athlete of the Year Award. Matt Simms, executive director of the USCAA noted in his presentation of the award, "This athlete's story is a true inspiration and really tugged on the heartstrings of our entire staff."

This is Maine's first year ever running cross country and she succeeded in placing in at least the top three of every race. Her hard work and positive impact extends onto campus and into the community where she is the president of the Physical Therapy Assistant Club. She volunteers with the local food pantry, she is an advocate for the LGBT community, and she has taught kickboxing classes at local venues. More importantly, she is entering the medical field and carries a 4.0 GPA for her first semester of college. However, it's looking at where Rebecca was and where she is now, that serves as the true inspiration.

In a former life, Rebecca was addicted to heroin. She has now been clean for nearly five years. Prior to sobriety, she spent her young adulthood traveling across the country by hitchhiking and train-hopping. Eventually, the demons of addiction overwhelmed her enough that she found herself returning home. Her male role-model, who is an on-site doctor for the golden glove boxing events, got her involved in boxing as a means to turn her life around. Needless to say, it did. It was through her involvement in athletics that she found inspiration to not only break her addiction and find sobriety, but also pursue a career as a physical therapist. She then applied to the Penn State DuBois Physical Therapy Assistant program.

"Rebecca's story is truly inspiring. She's made a significant impact on my life and many others. Her life is a testimony of hope and second chances; each day she proves that nothing is too difficult to overcome," commented Penn State DuBois Cross Country Coach Kyle Gordon. "I'm so happy that she received this honor. This is the kind of stuff that movies are made of...what an inspirational story."

When asked what it was like to receive such a prestigious honor, Maine had said, "We were sitting in the conference center banquet room, full of athletes from all over the country. I had zero expectations of winning the student-athlete of the year. When my name was called, I was shocked. To be honest I was still in shock of receiving the award until the following night. I kept saying I couldn't believe it. It was the recall of my experiences, great and unfortunate, that made me realize I should be proud of my accomplishments. My struggles are what made me into the disciplined person that I am today. Receiving this award is a great pleasure, it reaffirms my goals and pursuit. I hope it brings inspiration to others."

Maine went on to finish in the top 40% of the championship race.

"This is one of the better performances in Penn State DuBois history, and for this first year runner, it's only the beginning," Gordon said. ▀

Runners Find Success at PSUAC Championships

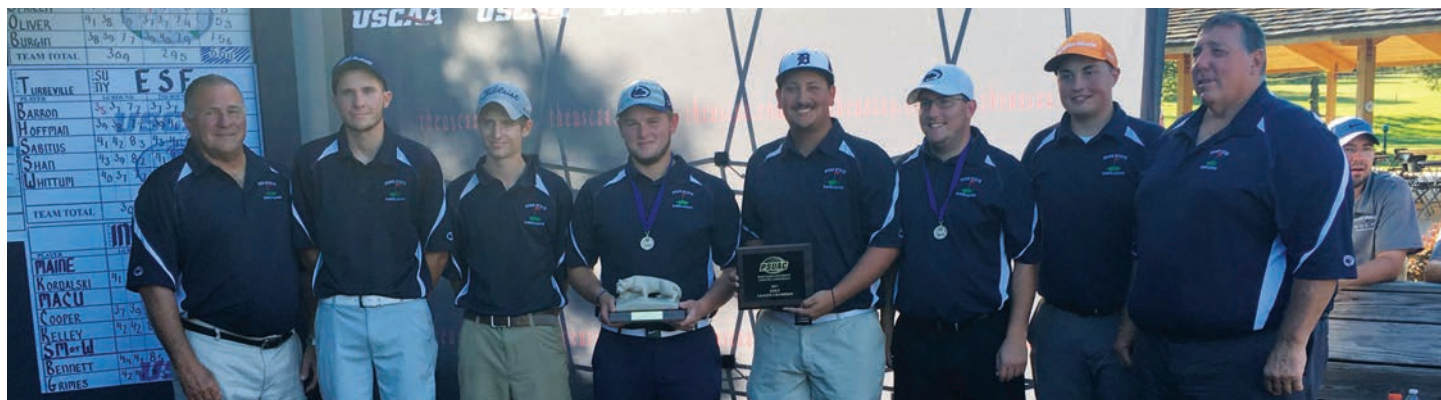


Runners Jeremy Fischer and Rebecca Maine at the PSUAC Championships in Fayetteville, PA.

It was yet another successful Penn State University Athletic Conference (PSUAC) Championship for the Penn State DuBois men's and women's cross country teams. Both Rebecca Maine and Jeremy Fischer joined a prestigious club of past individuals from Penn State DuBois in making the PSUAC All-Conference team. Maine took 4th overall for the women, and Fischer took 6th overall for the men. ▶

Past All Conference Team Members under Coach Gordon's Tenure:

- 2013 Garrett Pensak
- 2014 Matthew Burke and Juliann Boddorf
- 2015 Juliann Boddorf, Stephanie Graham, Carley Boice, and Tamera Anthony
- 2016 Juliann Boddorf, Stephanie Graham, Carley Boice, Tamera Anthony, and Jay Prentice
- 2017 Rebecca Maine and Jeremy Fischer



Golf Team Captures PSUAC Championship

The Penn State DuBois Golf Team won its second PSUAC Championship in October with an over-all score of 635 in the two day event. Coaches Vic Gearhart and Ron Cavalline had the team ready for the tough competition at the Blue Course at the Penn State University course in State College, PA. The battle for the PSUAC team title was between PSU DuBois and PSU Lehigh Valley as they were separated by one stroke after the first day of competition PSUD 315, PSU LV 316. Consistent play by both teams forged a tie after two rounds at a team score of 635 forcing a 1 hole playoff for the championship. The playoff format was unique - all 5 players from each team played the 18th hole at the same time with the total of the 4 best scores from each team would determine the winner. ▶

PSUAC Team Results:

PSU DuBois 315-320 635
(1st playoff)

USCAA National Tournament Results:

PSU DuBois 635 (6th place)
Tournament Record: 14-5

Final 2017 Record:

48 wins, 14 losses, .774 pct.

For complete results from this year's seasons and all the latest news on Penn State DuBois athletic programs, visit

psuduboisathletics.com



Baseball Team Ramping Up for Promising Season

The Penn State DuBois baseball team fared well during a three date fall ball season. They dropped a double header to Slippery Rock on September 16, 10-4 and 15-19, but claimed victory in the two remaining contests. They bested Pitt Bradford on September 23, 7-3 and 11-6. They also came out on top of Westmoreland County Community College on September 30, 5-0 and 6-3. The fall season helped to prepare players for what Head Coach Tom Calliari says looks to be a promising spring, which will end with hosting the United State Colligate Athletic Association's (USCAA) Small College World Series at Showers Field in DuBois, as previously announced.

"The guys are learning our system. We have the potential to be really good. We only achieve that if each player accepts their role and does that to the best of their ability. They need to continue to develop and be a part of this program's success for now and the future," Calliari said.



Calliari said hosting the USCAA championship on home turf in May is an extra incentive for the team to excel. He said, "Hosting the World Series this year is very exciting and we are going to do everything we can to qualify. We hope the community shows the schools from across the country what real passion is about in this baseball town with a large turnout."

With his roster locked in, the coach is confident he has a team capable of a winning season.

"We are extremely excited about this year's team as we have continued to grow as a program in only three short years. We finally have the depth needed to create matchups needed to compete at the highest level. We are so much more athletic at every position and have so many options when making lineups that it's extremely exciting, but also is going to make for some difficult decisions."

The 2017-18 baseball team roster can be found at <http://psuduboisathletics.com/sports/bsb/2017-18/roster> ▶

Volleyball Team Garners Post-Season Awards



The Penn State DuBois Volleyball Team claimed some top awards while closing out a successful 20-6 season. Head Coach Dave Alberts was named Penn State University Athletic Conference (PSUAC) Coach of the Year. Player Keara Shefler was also named Newcomer of the Year in the conference, also earning First Team All-Conference honors.

Additionally, Second Team All-Conference Honors went to Melody Young and Grace Earle. Alyssa Simbeck received All-Conference Honorable Mention.

The team advanced to the semi-finals in the PSUAC playoffs this season for the first time in eight years.

They entered as the 4th seed and faced the 5th seed Beaver on Friday, Oct. 27. Beaver took the first set 25-21 and the second set 25-13.

Alberts said, "I knew we had the fight in us but we needed to clean up our errors and play more consistent. I reminded the team that we had won a majority of our matches 3-0 and that we were going to go out there and win the next 3 straight. They played with so much heart and pulled it off. It was one of the greatest volleyball moments I have ever been a part of."

DuBois won the third set 25-20, and won a very close fourth set 27-25. The final set was back and forth until the end when DuBois took the match 15-11. The win advanced DuBois to take on Penn State Brandywine, the number one seed and only undefeated team in the conference. The DuBois Lady Lions lost the first set 25-16 but fought back hard in the second. The set went down to the wire but Brandywine pulled it out 29-27. The third set was a close one as well, but Brandywine pulled it out 25-21 and won the match. ▶

Alumni Society Update with President Kris Crytser



Kris Crytser



As the fall is winding down I am going to give you an update on what's been going on with the DuBois Alumni Society.

Since the spring update we have welcomed a new graduating class into the Alumni Society at the spring commencement that was held on campus in May.

Over the summer we had a meeting and did some event planning.

In September we hosted a "Night in the Wilds" event at the Keystone Elk Country Visitors Center in Benezette.

We had Mr. Rawley Colgan, the president and CEO of the Keystone Elk Country Alliance, give a presentation on the elk, and hosted a dinner catered by the Benezette Hotel. While attending the event, we got to see the elk, view a 4D movie and experience the beautiful outdoor facility, and enjoyed walking paths and beautiful views at the Keystone Elk Country Alliance Visitors Center.

We also presented two alumni awards this fall. We presented William G. Allenbaugh, II with the Outstanding Alumni Award while Robert E. Umbaugh was presented with the Lifetime Achievement Alumnus Award.

We have recently met again at our quarterly meeting and have a few more events in the planning stages that we would love to see you attend. Our events are going to be spread out over the winter and spring so, just stay tuned for the upcoming events. All the events in the planning stages are open to the public and are family friendly.

To find out about these upcoming events you can follow us on our Facebook page *Penn State DuBois Alumni Society* or check out the DuBois campus website and click on "alumni" to see what we are all about.

We are always open to adding more members to our group if anyone is interested.

We welcome alumni, recent grads, parents of PSU students, and community members. If you are interested in learning more about us and what we do I encourage you to contact Julie Frank with Alumni Relations at Penn State DuBois, or message our Facebook page for more details. ▶

Interested in getting involved?

The DuBois Alumni Society is accepting nominations for new board members. It doesn't take a lot of time or effort to be involved!

FOR MORE INFORMATION, CONTACT:

Julie Frank
Alumni Relations Office
814-375-4775
jad62@psu.edu

Allenbaugh Named Outstanding Alumnus



Outstanding Alumni Award recipient Bill Allenbaugh was presented with his award by Chancellor M. Scott McBride.

Bill Allenbaugh, an alumnus and retired faculty member of Penn State DuBois, has received the 2017 Penn State DuBois Alumni Society Outstanding Alumni Award.

Allenbaugh graduated from Penn State in 1973 with a BS in Law Enforcement and Corrections. He then went on to earn his master's from Slippery Rock in 1990, and became a licensed psychologist in 1994. Bill and his wife, Nancy, opened a private practice together in 1995, with Nancy serving as financial director. The practice was dedicated to treatment of sex offenders, victims of sexual abuse, and drug and alcohol treatment.

Beginning in 1994, Allenbaugh taught classes on human behavior related to drug use and sexuality at Penn State DuBois. Both Bill and Nancy have demonstrated strong support of the campus and students over the years. They have volunteered for alternative spring break service trips to such places as Washington D.C. and Arizona, where they joined students in community service projects. They have also sponsored scholarships for summer

youth programs on campus. He retired from teaching in 2015.

In 2014, Bill and Nancy established the William and Nancy Allenbaugh Scholarship at Penn State DuBois. The fund provides recognition and financial assistance to outstanding undergraduate students who are enrolled, or plan to enroll in the Human Development and Family Studies program at Penn State DuBois, who also have a need for funds to help cover college expenses.

The Penn State DuBois Alumni Society Outstanding Alumni Award is given annually to an individual who graduated from, or attended campus 16 to 30 years ago, and demonstrates professional leadership with an impact on society, leadership within their professional field, citizenship in their community, and engagement with a campus or alumni group. ▶

Umbaugh Receives Lifetime Achievement Award



Chancellor M. Scott McBride presents Robert Umbaugh with his Penn State DuBois Alumni Society Lifetime Achievement Award.

Robert Umbaugh, of Elizabethtown, has been awarded the Penn State DuBois Alumni Society's Lifetime Achievement Award.

Umbaugh and his wife, Joyce, established a scholarship at Penn State DuBois more than 20 years ago, and have continued to support campus students in a variety of ways since. An annual lecture on campus is named in honor of the couple. The Umbaugh Lecture brings highly qualified speakers to present information of academic interest at the campus each year. He is also a past chair of the Penn State DuBois Capital Campaign Committee during the *Grand Destiny* campaign, and was honorary chair the *For the Future* campaign.

For 15 years, Umbaugh was information systems manager and vice president of Southern California Edison Company. Prior to that, he was vice president of Computer Usage Company, a software development firm.

Umbaugh retired as president of Mission Land Company, and has served as president of Carlisle Consulting Group.

As president and CEO of Mission Land Company of Brea, California, Umbaugh spent his career in development of residential, industrial, and office properties. He was also an adjunct professor of Information Science at Claremont Graduate School.

Umbaugh graduated cum laude from Penn State in 1963 with a bachelor of science degree in education. He attended graduate school at Fairleigh Dickinson University in New Jersey, and is a graduate of the University of Idaho's management program. He has authored 14 books and has been featured in a variety of articles in industry publications including *Fortune*, *Infosystems*, and more. He has lectured in Canada, Brazil, Japan, and Italy. ▶



Penn State DuBois Associate Professor of Mathematics and Geosciences Byron Parizek during an excursion to Sawyer Glacier in Alaska.

Parizek Receives Faculty Scholar Award

Penn State DuBois' Associate Professor of Mathematics and Geosciences Byron Parizek has been honored with the University College Faculty Scholar Award. In its inaugural year, the award will be given annually to a full-time or part-time faculty member in Penn State's 14 campus University College system who has demonstrated excellence in research, scholarship, and/or creative accomplishments. It is also in recognition of significant and sustained contribution of research, scholarship, and creative accomplishments accumulated during their employment at Penn State, as well as with undergraduate students, and to those who have had a significant impact on their academic field of study.

Parizek's central research focus is on glaciers, and particularly on the processes that govern ice sheet growth and collapse, and the resulting impacts on sea level as well as climate change. His findings have served to help improve predictions of future changes in ice sheets and their effects on global water and energy cycles in coming decades, and even centuries.

With over a decade of continuous funding support from the National Science Foundation (NSF) and National Aeronautics and Space Administration (NASA), Parizek is a mentor to future generations of scientists, inviting

undergraduate students to collaborate with him on research in order to gain real-world experience. A research project that included four Penn State DuBois undergraduates highlighted that West Antarctic Ice Sheet stability is contingent on atmosphere-ice-ocean-solid Earth interactions. This particular study was cited in the 2013 Intergovernmental Panel on Climate Change assessment and has, in part, helped fuel an internationally-funded call to collect additional, targeted data on Thwaites Glacier in West Antarctica within the next five years. Over the past five years, these collective research efforts have

led to two new grants, 16 peer-reviewed publications, over 500 citations, and 49 professional presentations.

"On behalf of the history of outstanding research and creative activities involving undergraduate students from Penn State DuBois, it is so nice to have our campus and stakeholders recognized in the inaugural year of this award," Parizek said.

Parizek has presented his research as far away as NYU Abu Dhabi in the United Arab Emirates and, at the 2016 American Geophysical Union meeting in San Francisco, was invited by NSF to discuss gaps in our process-based understanding of ice-sheet flow and how we can accelerate scientific discovery under interagency support through the U.S. government. He was elected a member of the Penn State Department of Geosciences Graduate Faculty in the Spring of 2014. ▶



PennState Alumni Association

DuBois Alumni Society



Penn State DuBois Alumni Society invites you to re-connect...

There are 12,878 Penn State DuBois Alumni.
4,878 live in the Greater DuBois Tri-county Area.

Have you re-connected?

Whether you are a Penn Stater from DuBois or another campus you are invited to re-connect to Penn State through the Penn State DuBois Alumni Society.

There are several events planned throughout the year, and most of them are free!

Please check out our calendar of events and plan to attend one this year.

The Board of Directors look forward to connecting with you!

Other ways to connect!

Facebook: www.facebook.com/duboisalumni

Alumni eNews: to subscribe to this electronic newsletter,
email duboisalumni@psu.edu with subject heading: Alumni eNews.



Penn State DuBois Alumni Society
1 College Place
DuBois, PA 15801

duboisalumni@psu.edu
dubois.psu.edu/alumni
(814) 375-4775

Re-connect!

Help us keep in touch with you by updating your information

Name: _____ Alumni ID: _____

Graduation Year: _____ Degree: _____

Address: _____

City: _____ State: _____ Zip: _____

Home/Cell Phone: _____ Email: _____

Employer: _____ Job Title: _____

Business Address: _____

City: _____ State: _____ Zip: _____

Yes, sign me up for the Alumni eNews

Please return this form to: Alumni Relations Office, Penn State DuBois, 1 College Place, DuBois, PA 15801



Walk a Mile in Her Shoes

Nearly 40 men from Penn State DuBois stepped into high heels for the *Walk a Mile in Her Shoes* event, to raise awareness of sexual violence and abuse on September 27. The event was organized by the victim advocacy group Passages of Clarion, Clearfield and Jefferson Counties, in conjunction with the Penn State DuBois Office of Student Engagement.

The men marched through campus, as well as off campus, along Route 255, and down Liberty Boulevard, then back. The round trip added up to the men walking a full mile in their pumps.