

beyond
AUBURN

• AUBURN UNIVERSITY'S OUTREACH MAGAZINE •

A New Breed of Security



AUBURN

UNIVERSITY OUTREACH

FALL 2016



ON THE COVER

Through research, teaching, and outreach, the Canine Performance Sciences Program continually improves animal detection science and technology to serve and defend the nation and society.

Beyond Auburn is published by Auburn University twice per year as a joint project of the Office of the Vice President for University Outreach and the Office of Communications and Marketing.

Royrickers Cook, PhD

Vice President for University Outreach and Associate Provost

Publication team:

Ralph S. Foster, director, Office of Public Service
Neali Vann, writer, editor
Mike Clardy, editor
Joyce Thomas-Vinson, writer, editor
Janie Echols-Brown, graphic design

Contributors and sources:

Auburn Daily Reports, Office of Communications and Marketing
Virginia Baumbach, Storybook Farm
Candis Birchfield, College of Science and Mathematics
David Broughton, Staff Writer, Sports Business Journal
Sandra Clark-Lewis, Dept. of Communication Disorders
Jean Dubois, School of Nursing
Emily Esleck, Auburn Plainsman
Elizabeth Essamuah-Quansah, Outreach Global
Laura Fairley and Mark Wilson, College of Liberal Arts
Laura Hill, Encyclopedia of Alabama
Walker Jackson, ATAC, Harbert College of Business
James Kaminsky, College of Education
Stacey Nickson, LaDonna Langley, and Leah Mathison,
K-12 Education
Linda Shook, director, OLLI at Auburn
Hope Stockton, Daniel Yu,
Office of Professional & Continuing Education
Barbara Struempler, College of Human Sciences
Joe Sumners, Amelia Stehouwer, Jennifer Ryan and Mike
Easterwood, Government & Economic Development Institute
Chippewa Thomas, Faculty Engagement
Amy Weaver, Kevin Loden, Charles Martin, Neali Vann
Office of Communications and Marketing



Celebrating 10 Years of Publication



Submit news items and story ideas to Joyce Thomas-Vinson, Office of Public Service, (334) 844-5117, thomaj5@auburn.edu. For more information regarding Outreach, contact Ralph S. Foster, Office of Public Service, (334) 844-4730, fosters@auburn.edu or visit www.auburn.edu/outreach.

Auburn University
Office of the Vice President for University Outreach
213 Samford Hall
Auburn, Alabama 36849
(334) 844-5700

All rights reserved by Auburn University © 2016. Auburn University is an equal opportunity educational institution/employer.



Additional photography:

Jean Dubois, School of Nursing
Jeff Dyal, Office of Professional & Continuing Education
Elizabeth Essamuah-Quansah, Outreach Global
Henry Ford
Katey Nelson
Hope Stockton, Daniel Yu,
Office of Professional & Continuing Education
Barbara Struempler, College of Human Sciences

morguefile.com
AU Photographic Services
St. Louis Cardinals, cover
Tanisha Stephens, www.intownimager.com

President's message

Beyond Auburn magazine was launched by University Outreach 10 years ago to highlight the many ways Outreach takes Auburn scholarship and expertise into communities for the benefit of the people who live there. Since 2006, *Beyond Auburn* has covered more than 400 outreach projects showing how faculty, students and community partners get involved across the state and around the world. Here are some example from this issue.

- Sports teams and leagues are noticing how Vapor Wake dogs, bred at Auburn's Canine Performance facility, can help provide security at sports venues. For example, Young, a Vapor Wake dog bred and trained at Auburn and now a member of the St. Louis Cardinals, can walk through or around a stadium and detect whether something dangerous might have moved before him through the area. A Vapor Wake-trained dog is featured on the cover of this issue of *Beyond Auburn*.

- Auburn Outreach traveled the I-85 Corridor this year to help team leaders and supervisors in the automotive industry develop leadership skills. The Global Leadership Initiative in Auburn Outreach's Office of Professional and Continuing Education has a number of these training programs and has more scheduled with a growing list of companies anchored by Korean automotive manufacturers Hyundai in Montgomery and Kia in West Point, Georgia.

- Now in its sixth year, the Living Democracy program pairs students and citizens in Alabama communities for a living-learning experience in community and civic engagement. Four students who spent 10 weeks this summer in four Alabama counties wrote about the people and places they discovered and brought their experiences back to the classroom this fall. Living Democracy is a program of Auburn's College of Liberal Arts and the David Mathews Center for Civic Life.

- In the 15 years that Storybook Farm has enriched the lives of children with special needs through horseback riding and arts and crafts, Auburn students, faculty and alumni have served as volunteers at the Lee County non-profit. The Farm's new Vegetable Garden Project

resulted from the vision of two Auburn student volunteers. Several student organizations then pitched in with their expertise to make the garden a reality.

- More than 150 Alabama schools have implemented "Body Quest: Food of the Warrior," a project of the Alabama Extension Nutrition Education Program designed to help prevent childhood obesity. Parents and third-graders participate in a 15-week program that features interactive characters that appeal to children such as Body Doc, Muscle Max and Shining Rainbow, and also provides support to parents with suggestions on how to guide their children toward being healthier through food and exercise.

Offering programs that make our public spaces more secure, providing support to industry in our region, promoting relationships in communities across the state, bringing vision and expertise to our volunteer efforts and addressing the health of our children with innovative programs are just a few of the topics you will learn about in this issue of that fall under the large umbrella that is Outreach. This is a level of impact that we should all aspire to achieve.

War Eagle,



JAY GOGUE
PRESIDENT
AUBURN UNIVERSITY



Auburn University Outreach

.....

Looking Ahead

Fall is always a busy time at Auburn, and for University Outreach it is no exception. The start of the academic year heralds a new season of programs and projects engaging outreach units, faculty and students from all across campus. This promises to be a banner year largely due to a number of recent organizational developments in University Outreach.

Overall, outreach units have been experiencing steady growth. The Government and Economic Development Institute launched new leadership programs in collaboration with the Economic Development Association of Alabama. The Office of Public Service's AuburnServes initiative increased in the number of community partners, and Campus Kitchens increased its food distribution to persons in need to eight sites across the area. The Office of Professional and Continuing Education hosted a record number of academic and recreational youth camps this summer.

In addition to that pattern of growth, we are working to take advantage of several areas of strategic opportunity. Recognizing the significant expansion of our K-12 initiatives and collaborative role in the state GEAR UP college readiness initiative, we established the new Center for Educational Outreach and Engagement to coordinate these efforts. With the growth in our international contacts, many of which have resulted in memoranda of agreement with institutions across the world, we've established the new Outreach Global initiative. Leveraging the success of our Cuba economic, educational and cultural delegation trips, Outreach Global will be offering a series of similar delegation trips to several nations in Africa. Taking advantage of an international opportunity right here in Alabama, the Office of Professional and Continuing Education launched its new Global Leadership Initiative which is providing supervisory and corporate leadership training for Korean automotive companies and other international suppliers in the I-85 corridor. With more than 40,000 persons employed by Korean and other international companies in the corridor region, the potential of this initiative is most exciting.

Outreach is also receiving great support from alumni and friends in Auburn's capital campaign. We have met many of our campaign goals thanks to the generosity of our donors. University Outreach's Advancement Board has been very helpful in promoting that support. I'm pleased to report that one of our charter Advancement Board members, Henry Ford was recently recognized among 14 recipients of the Auburn University Black Alumni awards for his

many career and philanthropic accomplishments since graduating Auburn. Henry was one of the first 50 African-American graduates of Auburn University and is a role model of community leadership and engagement. Congratulations Henry!

Finally, I must note that this is the 10th year and 20th edition of *Beyond Auburn*. We started off in 2006 with the goal of highlighting faculty, staff and student engagement in the community. Today, our goal is still the same, though we've increased our coverage from 20 pages to generally more than 40 pages of articles on outstanding and inspirational outreach and extension initiatives across our state and well beyond. Our first edition featured Professor David Bransby and his innovative work in bioenergy; since then we've featured more than 400 articles on Auburn's mission of outreach. We hope you've enjoyed *Beyond Auburn* over the years and will continue to read and enjoy this publication in the years to come.

In closing let me say how much I appreciate your well wishes on my tenth anniversary providing leadership for the Office of the Vice President for University Outreach. I very much appreciate your support for our work, both from Auburn University's administration and academic leadership, but particularly from the faculty, students and staff with whom we work with to advance our land-grant mission of Outreach. The growth and success of University Outreach over the years is a testament to teamwork and the dedication of the Auburn family for community engagement.

Together, we can truly say we are making a difference!
War Eagle,



ROYRICKERS COOK
VICE PRESIDENT
FOR UNIVERSITY OUTREACH
AUBURN UNIVERSITY





beyond AUBURN

FALL 2016

CAMPUS TO COMMUNITY

STUDENT ENGAGEMENT

- Student Constructs an Irrigation System for Small Community **16**

K-12 OUTREACH

- GEAR UP Summer Programs **22**

FACULTY ENGAGEMENT

- REPORT IN BRIEF:
Faculty Public Engagement Survey **25**

MAKING A DIFFERENCE

- Carolyn Campbell-Golden Receives Fulbright U.S. Scholar Award **26**
Living Democracy **27**

CELEBRATING 10 YEARS OF PUBLICATION

- Beyond Auburn Celebrates 10th Edition **15**

BEYOND ALABAMA

- University Outreach Office of Faculty Engagement Leads Delegation to Cuba **23**
The College of Education and the Department of Educational Foundations, Leadership, and Technology – “Down Under” **38**

IN EVERY ISSUE

AUBURN UNIVERSITY OUTREACH

- Message from the Office of the Vice President **4**

FOCUS ON SENIORS

- OLLI at Auburn Conducts Best Practices Study **13**
Sunny Slope: OLLI at Auburn’s New Home **18**

OUT AND ABOUT

- Outreach News **31**

FEATURES

A New Breed of Security **6**

Auburn University’s Canine Performance Sciences - Vapor Wake program



Global Outreach

Outreach Global Exploring the World **11**

OPCE Global Leadership Initiative Provides Training Opportunities for Alabama’s Growing Automotive Industry **12**

Addressing Issues

Extension’s Body Quest Battling Childhood Obesity **14**

Building a Better Future: BEST Robotics Participant Changes Children’s Lives, One Hand at a Time **29**

Partnerships

Storybook Farm: A Gold Mine of Philanthropic Endeavors for Auburn University Students, Faculty and Alumni **20**



A New Breed of Security

- Teams, Leagues are Looking to Specially Trained Dogs to Make their Venues Far Safer

David Broughton,
SportsBusiness Journal Research Director
- originally published July 11, 2016

Young was made for this job. He's a Vapor Wake dog. That makes him part of the latest line of defense in sports venue security.

Bred at Auburn University's Canine Performance Sciences facility, Young can, like traditional explosive-detection dogs, sniff out substances that might be stashed in a stationary object such as a backpack, a trash can or an unattended package. But Young and the more than 100 other dogs that have gone through Auburn's patented 18-month growth and development program can do more than most bomb-sniffing dogs can do.

As Vapor Wake dogs, Young and his peers are being bred and trained to identify potentially explosive materials in a surrounding environment. They are able to do so by detecting particles in the air left behind by moving targets. Instead of having to find danger from smelling stationary objects one at a time, these dogs can walk through or around a stadium and detect whether something dangerous might have preceded them through the area.

Teams and leagues are taking note. Several Major League Baseball clubs have vapor wake dogs in use at their ballparks this year — including Young's team, the St. Louis Cardinals. Other teams have orders in so as to have them on-site next year. The National Football League and the National Basketball Association employed them for one-time use at showcase events this year.





"A lot of people can breed dogs," said Joe Walsh, director of security and special services for the St. Louis Cardinals, "but I'd rather have Auburn University sitting next to me in a court of law than Billy Bob the Breeder from the Ozarks."

At Auburn, the staff at the 208,000-square-foot Wilford and Kate Bailey Small Animal Teaching Hospital carefully screens dogs for every possible physical defect before tabbing them as breeding subjects for the Vapor Wake program.

Once born, each new dog is put through annual checkups for dexterity and to make sure there are no bone, joint and musculature weaknesses or deformities, and each must complete an intense training program.

While that training and development effort is rigorous, representatives of the teams that have used the dogs say their interest in the program starts with the attention given to the breeding process.

Walsh said that before the 9/11 terrorist attacks, the Cardinals hired law enforcement to sweep the ballpark for explosives before a big game or if a dignitary was going to be present. That policy generally remained in place in the years that followed 9/11 despite a desire to do more,

because having a dog's services available full time, for the team's 81-game home slate, was not a viable option.

In 2013, Walsh heard that Auburn had received a patent for its vapor-based breeding and training program. He was intrigued enough to travel to Alabama to see the situation for himself. He liked what he saw.

"It is exactly what we need at stadiums," he said. "A stadium is not like an airport, where everyone is funneled through a single checkpoint. That's OK for standard detection dogs."

Walsh said that with vapor-detection dogs, a team can extend its security perimeter beyond a facility's entrances. That was important to him because Busch Stadium is the anchor of the 10-acre Ballpark Village mixed-use development.

Paul Waggoner is co-director of the Canine Performance Sciences facility at Auburn. He said that after the Boston Marathon bombings in 2013, the interest in Auburn's dog program notably increased. That might sound like a prime business opportunity, but the state of Alabama prohibits publicly funded schools such as Auburn from making a profit on the sale of any products or services.

That's where AMK9 comes in. Auburn signed an agreement in 2013 with AMK9 that gives that company exclusive rights to train and sell the Auburn-bred dogs.

Auburn holds the two patents and the trademarks tied to the Vapor Wake name and training process. AMK9 is responsible for the financial pieces of the relationship. It pays for the dogs' trainers and handles the sale of the dogs to their permanent homes. Auburn does draw a percentage of the revenue from each sale, but that money is reinvested as part of CPS remaining in line with state law and being revenue-neutral.

"This is all about operations meeting science," Waggoner said. "Besides, we're scientists, not marketers, so there was no danger of us making any money from this."

Waggoner oversees the science side. He said that in the past 50 years, breeding has improved dogs' abilities to sense a few rogue particles per million to parts per trillion and that vapor-detection dogs can smell a wake of potentially explosive material up to 10 minutes after it has passed a particular point. That's why vapor-trained dogs are so effective in sports settings. However, he said, the sensitivity that has developed in dogs' noses over the past half-century is unlikely to continue to sharpen.

"A dog's nose has reached the point where it is about as sensitive as any instrument needs to be," he said. "Now the question is, How do we engineer the rest of the tool to make it the best detection instrument possible."

For example, dogs have no natural proclivity to smell gunpowder, Waggoner said, yet they can be trained to find it and react to it.

Situated at an old military base two hours north of Auburn, the 320-acre property is the largest canine training facility in the United States, housing at any time as many as 150 detection dogs — not only vapor dogs, but also explosive-detection dogs, drug-detection dogs and other similarly trained canines. This is where the dogs and their handlers receive the most rigorous portion of their vapor training. There are six to eight canines in a Vapor Wake class, with a 6:1 trainer-to-dog ratio.

The training process consists of about 15 weeks of social and physical conditioning. A critical difference in the way vapor dogs are trained comes from what is essentially a role reversal: In a traditional explosives search, a handler leads the dog to each container or a piece of luggage, one item at a time, and the dog attempts to pick up a scent of any targeted item. The handler, holding a standard leash and collar, is the one who directs the search while the dog is used merely as a sniffing mechanism. With the harness-clad vapor dogs, the process is unquestionably led by the nonstop dog, with the handler more along for the ride.

To date, multiple sports venues have added detection dogs to improve security.

The Arlington (Texas) Fire Department has six vapor dogs and intends to purchase more as its three traditional



explosive-detection dogs retire. The department uses these dogs to provide coverage at all Dallas Cowboys, Texas Rangers and WNBA Dallas Wings games, said Darin Niederhaus, the city's fire marshal and bomb squad commander, adding that his six vapor canine teams worked more than 2,700 hours in total in 2015. That work load included the 2015 College Football Playoff national championship game at AT&T Stadium.

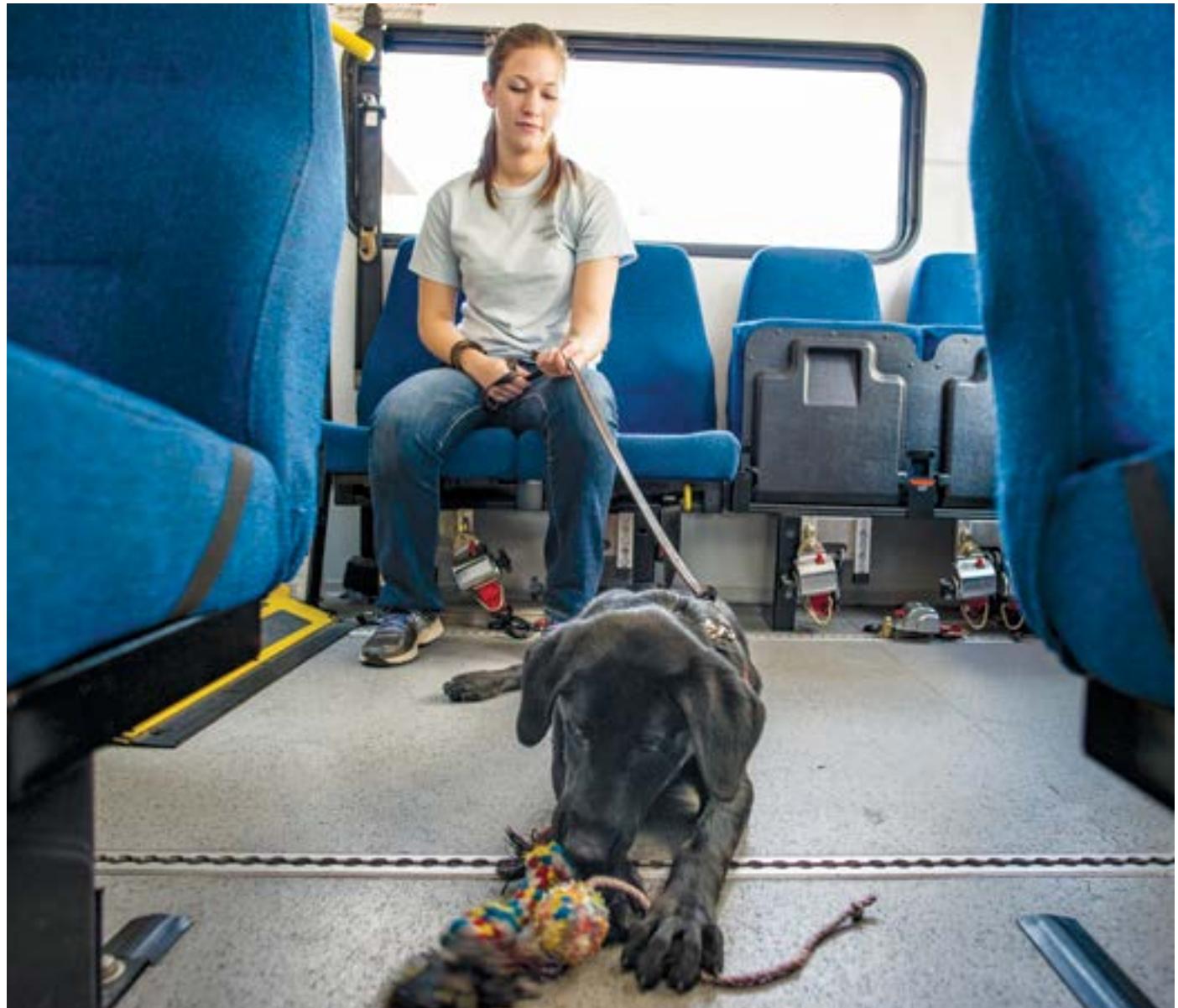
At the league level, the NFL used vapor dogs at Super Bowl 50 in Santa Clara, California, earlier this year. Two vapor dog-handler teams spent four days at the NBA All-Star festivities in Toronto in February, screening player hotels, ancillary events and Air Canada Centre before the game itself.

Back at Auburn, the development of future detection dogs continues around the clock. As of July 1, 21 puppies around 11 months old were at the end of their social training in the master training program, and 31 more under six months of age were in the early stages of training.

These same puppies, several years from now, could be the ones that sports fans see moving around their favorite team's stadium or arena, making sure the venue is safe.

The comparison for program director Waggoner, when asked about these animals' stock, is perhaps not surprisingly to another "animal." The durability and skill set of the Vapor Wake dogs makes him think of one of Auburn's greatest Tigers on the athletic field.

"[They are] the Bo Jacksons of detection dogs," he said.



<http://www.sportsbusinessdaily.com/Journal/Issues/2016/07/11/Facilities/Vapor-Wake-dogs.aspx?hl=vapor%20wake&sc=0>
<http://www.sportsbusinessdaily.com/Journal/Issues/2016/07/11/Facilities/Vapor-Wake-dogs-in-sports.aspx>

Outreach Global Exploring the World

Auburn University has a big presence around the globe, and Outreach is a vital part of that effort. With a growing number of engagement memoranda of agreement with institutions in other countries, University Outreach has established Outreach Global as the central point for its global initiatives and partnerships. These initiatives provide faculty and students with opportunities to engage with the rest of the world in collaborative educational, capacity building and service projects.

Expanding upon University Outreach's successful cultural and education delegations to Cuba, Outreach Global is currently developing a series of global tours with partner institutions across the continent of Africa. Countries featured in the prospective tours include Ghana, Nigeria, Cote D'Ivoire, Senegal, Kenya, Ethiopia, Morocco, South Africa and Uganda. Tours will be available in fall, spring and summer and can be arranged for special delegations, spring break activities, faculty and student research initiatives, and other projects. These delegations will focus on educational and cultural elements across Africa

with an emphasis on intercultural understanding and collaboration. The program can also facilitate mutual exchanges with specific partner institutions.

For more information on Outreach Global's African delegations, visit the www.auburn.edu/outreach/global website.



OPCE Global Leadership Initiative Provides Training Opportunities for Alabama's Growing Automotive Industry

The Global Leadership Initiative in Auburn University Outreach's Office of Professional and Continuing Education (OPCE) is developing supervisory skill leadership training for team leaders and supervisors in the automotive industry along the I-85 Corridor. Anchored by Korean automotive manufacturers Hyundai in Montgomery and Kia in West Point, Georgia, the region along Alabama's I-85 is home to more than 30 Korean automotive suppliers and even more related product suppliers throughout the area.

This year, the initiative has completed or scheduled a variety of training programs with a growing list of companies including Powertech, Mando, Hanwha, Guyoung Tech, Hanon System, Daewon USA, Rausch and Pausch (RAPA), Ajin/Wooshin USA, SL Alabama, Sejin America and Seohan Auto. The initiative is also contracted with Korea Institute of Technology (KITECH) for consulting projects. In April, the initiative hosted the second annual Korea US Automotive Manufacturing Technology Workshop, along with partners KITECH, Hyundai and Trenholm State.

The OPCE Global Leadership Initiative is led by Korean native Daniel Yu, Ph.D. With degrees in chemical engineering, Yu was a president and CEO of various industries including SCA and Hanwha North America for 11 years prior to joining OPCE. For more information about the Global Leadership Initiative and other Korea US automotive training opportunities, contact Daniel Yu at the Office of Professional and Continuing Education at Auburn University, dyu@auburn.edu or 334-844-3107. OPCE is a part of the University Outreach division at Auburn.



Korean executives at the Automotive Manufacturing Technology Workshop.

한미 자동차 기술 교류 “앨라배마가 이끈다”

한국생산기술연구원 주최 ‘한미장 간담회 1회행사 어번시 밸러 전용기밀 대상 기술지원 방안 소개…어번대학교와 협력도 강화

Reproduction of media coverage of the Automotive Manufacturing Technology Workshop in the Alabama Korea Times.

OLLI at Auburn Conducts Best Practices Study

The Osher Lifelong Learning Institute at Auburn University (OLLI at Auburn) has become the first OLLI program in the nation to create a best practices document to use as a guide to making it a stronger and more effective organization. The results of the Best Practices Study were presented at a session of the Southern Regional Conference for Lifelong Learning in August 2016.

Dr. Royrickers Cook, vice president for University Outreach at Auburn University, under whose portfolio OLLI falls, requested the study in August 2015. "Greater clarification of OLLI at Auburn's governing practices and guidelines was important for the program to continue to effectively grow and thrive," explained Linda Shook, OLLI at Auburn director.

A nine-member committee comprising OLLI leaders, lay members, and staff was charged with the creating a charter to replace the existing constitution and bylaws. The goal was to implement principles in the governance document prepared in the fall of 2014 by the OLLI at Auburn director, the OLLI at Auburn president, and the vice president for University Outreach, in partnership with the Bernard Osher Foundation.

The agreement calls for strong support from the host institution; diverse repertoire of intellectually stimulating, non-credit courses and educational activities specifically designed for people 50 years of age or older; significant opportunities for volunteer engagement and leadership; a membership level sustainably exceeding 500 dues-paying individuals annually; a sound and stable organizational structure; and evidence of financial sustainability.

Paul Turnquist, an OLLI member, served as task force moderator. Members were the founding director, the current director, three OLLI leadership board representatives, and four members appointed by the director.

In addition to meeting monthly, the task force conducted two town hall gatherings to engage and inform OLLI members of its work. The task force also conducted two surveys. The first was for OLLI at Auburn members, the second for OLLI directors at 119 universities and colleges.

Strengths identified in the membership survey included: High satisfaction with the OLLI program (91



percent). Seventy-three percent of new members joined because of contact by current members and friends. OLLI at Auburn's relationship with the area media is extensive and successful.

Some areas identified to strengthen the program are: Develop a plan to increase member diversity; grow outreach efforts by an aggressive social media presence to diverse groups; work with the AU Outreach Office to cultivate efforts in giving; conduct a best practices study every three years.

Out of the study came mission and vision statements.

MISSION STATEMENT: The Osher Lifelong Learning Institute at Auburn University provides adults 50 years and beyond opportunities to learn, lead, and continue to grow through courses that engage the mind and body, social activities, and leadership opportunities at program sites in Auburn, Montgomery (AUM), and Chambers County.

VISION STATEMENT: The Osher Lifelong Learning Institute aspires to provide a dedicated intellectual environment for older adults, nurturing a lifelong passion for learning, and fostering courses and programs that engage learning, provide social interaction, and enrich lives.

Besides benefitting OLLI at Auburn, said Paul Turnquist, who moderated the task force, a major benefit of the 2016 Best Practices Report is that it provides format and guidelines that all 119 OLLI programs can use for quality improvement.

addressing issues

Extension's Body Quest Battling Childhood Obesity

Today's Alabama youth unfortunately are likely to be heavier than any preceding generation. Enter the Body Quest warriors.

"Body Quest: Food of the Warrior" is an Alabama Extension health initiative aimed at preventing childhood obesity. The program was developed and initiated by a team of Extension specialists including Barb Struempler, Nutrition Education Program specialist, professor; Sondra Parmer, Nutrition Education Program specialist; Molly Gregg, 4-H Youth Development specialist; Chuck Hill, 4-H Youth Development specialist; Bruce Dupree, art and design specialist; and Glenda Freeman, communications editor. This fantastic obesity prevention initiative is part of a comprehensive, multi-level intervention through the Extension Nutrition Education Program (NEP).

Body Quest is implemented with third graders and their parents in over 150 Alabama schools with at least 50 percent or more students receiving free or reduced lunch from the National School Lunch Program (SLP). For the past 6 years, statewide impact evaluation data have shown significant increases in fruit and vegetable consumption through the SLP in treatment group students, with no significant changes observed in control group students.



Extension NEP educators use a blended teaching style for 15 weeks that includes one week of educator-led instruction, followed by a reinforcement lesson provided by an iPad Body Quest app.

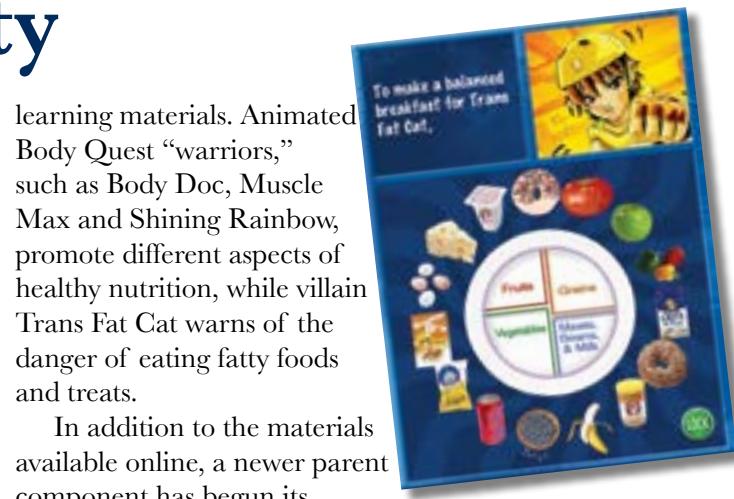
Body Quest applications feature interactive, colorful and anime-style characters to engage children in the

learning materials. Animated Body Quest "warriors," such as Body Doc, Muscle Max and Shining Rainbow, promote different aspects of healthy nutrition, while villain Trans Fat Cat warns of the danger of eating fatty foods and treats.

In addition to the materials available online, a newer parent component has begun its third year of implementation.

Parents act as "recipe testers" and receive vegetable-rich, inexpensive, easy to prepare recipes and agree to prepare them at home for their third graders. Parents also receive text messages with action-oriented prompts and tips for increasing fruit and vegetable consumption, decreasing sugary beverage/increasing water consumption, increasing physical activity and following the Dietary Guidelines for Americans in shopping and preparing meals.

The seven free Body Quest iPad apps are available at the Apple Store and more information about the student curriculum materials can be accessed online at www.BodyQuest.aces.edu.



BODY QUEST
FOOD OF THE WARRIOR



Beyond Auburn Celebrates 10th Edition

Beyond Auburn, the feature magazine of the university's outreach mission, celebrates 10 years of publication this issue. The magazine was launched in Fall of 2006.

Prior to the inauguration of *Beyond Auburn*, there was no dedicated feature about outreach on campus. University Outreach had printed a few special reports and promotional items over the years, but no serial publications. Having just been appointed to lead the University Outreach division, Vice President for University Outreach Royrickers Cook saw the need to have a regular publication to profile and promote faculty, staff and student engagement at Auburn.

"Our goal with this publication is to highlight the many ways our communities and state benefit from Auburn University's mission of outreach," said Cook in the first edition. "In this issue, you will find some great examples of the outreach mission at work." The first cover story featured Agronomy and Soils professor David Bransby, who was recipient of that year's Award for Excellence in Faculty Outreach for his groundbreaking work in biofuels.

In 2006, Auburn was celebrating its sesquicentennial, and *Beyond Auburn* featured a timeline of historical achievements in outreach through the years. The issue also contained news on a variety of outreach programs around campus. Many of those programs featured continue to be active and successful initiatives today, such as the AU Academy of Lifelong Learners, now known as the Osher Lifelong Learning Institute at Auburn, or OLLI at Auburn.



"There is much of Auburn's faculty engagement and outreach activities which cannot be covered in a single issue," wrote Cook in his opening message. "So we hope you find this edition of *Beyond Auburn* informative

and enjoyable and encourage you to watch for future issues."

Nineteen issues later, *Beyond Auburn*

has covered some 400 outreach

initiatives engaging faculty, students

and community partners across the

state and around the world.

The magazine is popular with its readers, with frequent requests for reprints and bulk copies. *Beyond Auburn* is printed and distributed on campus and to a small circulation across the state; thousands more receive the magazine via email distribution and through the Issuu digital network. *Beyond Auburn* is published twice a year by the Division of University Outreach through the editorial collaboration of the Office of Public Service and the Office of Communications and Marketing.

A documentary site of past editions of *Beyond Auburn* is available at www.auburn.edu/outreach/beyondauburn on the University Outreach website.



Student Constructs an Irrigation System for Small Community

Casimiro grasped the handle of the pipe wrench, playing with it to see how the teeth and clamp worked. A village leader of Quesimpuco, Bolivia, a 200- to 300-family village located at 13,000 feet in the southern Andes Mountains, Casimiro gladly helped the team of Auburn University engineers in constructing a gravity-fed system of irrigation pipeline that would carry water to cropland even in the drought season when there's enough dust to choke a person whose body isn't used to the conditions.

Josh Passantino, a senior with a triple major at Auburn University, told of the humbling impact a small community made on his life, leading him to a revelation that he wanted to help others.

With no prior education, Casimiro realized how a commercial tool with silver teeth and an oblong-shaped handle would help the engineers complete one of the various tasks of the day.

"I had never seen it," Passantino said. "I didn't know what was going on, and somebody called over to Casimiro and said, 'Hey, Casimiro, can you help us with this?'"

Communicating with him in Spanish, Passantino relayed his willingness to help the other engineers on the worksite.



By Rivers Langley; SaveRivers - Own work, CC BY-SA 3.0, <https://commons.wikimedia.org/w/index.php?curid=18140394>

"It was just something amazing to know that somebody with no formal training in engineering is able to do all the things that a whole bunch of engineers who are trained from Auburn University couldn't do by themselves," Passantino said.

According to Passantino, Casimiro fitted many pieces of the pipes together that day, aligning all the angles correctly, a feat which was difficult for the team.





For seven days, a group of approximately 15 students, one university engineer and one engineering alumna, hiked 45 minutes through the thin, arid air of the high-altitude atmosphere to the site where the team would be building the irrigation system, according to Bob Karcher, the university adviser of the trip.

Karcher said they wore layers of jackets and shirts upon starting their hike at sunrise. He said the morning air was cool and windy, and throughout the day temperatures would climb to 60° F.

Passantino said his first time going to Bolivia was his freshman year, a trip inspiring him to major in Spanish because he wanted to speak with the locals more. Add biomedical and chemical engineering, and that makes three majors — a task some college students would consider impossible.

The last day Passantino and the

team were there his first trip, he said they decided to test the irrigation system. “Then we see water coming out of the sprinkler head because it was working, and we were all so excited.”

Passantino said watching grown men fall to their knees crying from the realization of having crops for revenue and food during the dry months, where previously they had nothing, was the most impactful part of that trip.

As president of Engineers Without Borders USA, Passantino wanted to go to Bolivia through the Auburn chapter, which required paperwork and organization. His first and second year he said they were not officially going with the chapter, but now the trip is linked to the organization. In December 2014, Engineers Without Borders became an official chapter at Auburn University, according to Passantino.

“We work with engineering projects, but we work with communities and with nonprofit organizations instead of just giving projects to people. One reason a lot of aid in developing countries fails is because they just give them something, and they aren’t able to maintain it or learn how to fix it,” Passantino said.

The hardworking, proud villagers continuously thanked the engineers throughout the trips, according to Karcher, and he said the “artificial rain,” or water shooting off the terraces of the irrigation system, moved the people of Quesimpucu.

Passantino said he plans to continue working with Engineers Without Borders and wants to help reduce costs for renewable energy, so people like the Bolivians can have the same resources as people in the U.S.—taking his love for engineering and helping others to form a powerful career.



focus on seniors

Sunny Slope: OLLI at Auburn's New Home



As per an agreement between Auburn University and Ann Pearson, OLLI at Auburn will soon have a new home. Dr. Pearson is giving to Auburn University a legacy donation of Sunny Slope, the historical property located at 1031 S. College St. OLLI will be the primary tenant for the space. The space will be shared as needed with other university programs.

On the steps of Sunny Slope, from left, are Mary Burkhart, founding director of OLLI at Auburn/AUall; Royrickers Cook, Vice President for University Outreach; Dr. Ann Pearson, Sunny Slope donor; Patty Disque, OLLI Advisory Council Member; William Dean, realtor; Dennis Drake, OLLI Advisory Council Member; and Linda Shook, OLLI Director. Photo by William White.



Preparations are currently underway including: evaluating the space, planning for short and long term renovation needs, and identifying funding sources. Following the move, OLLI meetings and special programs, including some courses, will also be held in the facility. Receipt of this space is a positive signal of Auburn University's recognition of and commitment to the OLLI at Auburn program.



The Osher Lifelong Learning Institute at Auburn University (OLLI at Auburn) is delighted to announce its leaders for the 2016-17 academic year. OLLI at Auburn offers academic, not for credit programs for senior adults, aged 50 years or older. OLLI at Auburn is a program of University Outreach at Auburn University.



The OLLI Advisory Council consists of 12 voting members and the chairs and vice chairs of OLLI's eight committees. Leading OLLI at Auburn this year are Don Baker with Susan Stanley serving as the vice chair and Ken Autrey as the secretary. In addition to the officers, members of the OLLI Advisory Council are Pat Conover, Gail McCullers, Jim Barber, Carolyn Carr, Janet Deutsch, Dennis Drake, Frank Harrelson, and Sue Mason. Committee leaders are Bill Sherling (Curriculum); Mary Burkhardt and Judy Jones (Development); Frank Harrelson and Annette Baker (Administrative and Resources); Elenore Parker and Susan Stanley (Membership); Sue Mason (Promotion and Publicity); Sherri Griswold and Carolyn Coker (Review and Planning); Ursula Higgins and Peggy Turnquist (Social); and Jack Rogers and Frenchy Fortin (Technology).

Storybook Farm: *A Gold Mine of Philanthropic Endeavors for Auburn University Students, Faculty and Alumni*

Virginia Baumbach

(AU Alumni and Storybook Farm Volunteer)

Over the past 15 years, Storybook Farm has brought laughter, learning and healing to thousands of children with special needs via horseback riding and exploration through arts and crafts. Auburn University students, faculty, and alumni have played a key role in making a difference in the Auburn-Opelika community. It is a difference that goes beyond merely volunteering; it is a difference that has shaped and continues to shape the magical equine horse farm located just 20 minutes from the Auburn campus.

A non-profit organization, Storybook Farm is a hidden gem precious to the Lee County community. Visitors who drive into Storybook Farm are greeted by serene pastures, a beautifully quaint barn and a swarm of smiling, hardworking volunteers, mostly comprised of Auburn students. Volunteers are caring for horses, teaching crafts to a group of students, assisting with lessons in the ring, befriending a tired mother on the bench outside, and high-fiving a child to whom they have become a hero.



With the help of three horses, Willy Wonka, Huck Finn, and Tom Sawyer, and 10 Auburn University volunteers, Storybook opened its barn doors to three riders in the fall of 2002. Its founder and executive director, Dena Little, is now supported by 17 equines and over 200 Auburn University volunteers per week. In the



past year they have ministered to over 1,200 children. Since its inception, Storybook Farm and Little have welcomed children struggling with over 100 different conditions including autism, Downs Syndrome, cancer, cerebral palsy, ADD and bereavement. Simply, it is a place for families to find solace and healing.

The growth of Storybook continues to astound Little, a growth only made possible by the thousands of Auburn University students who have volunteered over the years. Students from a wide range of studies are drawn to Storybook Farm as a place to give back to the community, using their passion in combination with their areas of study.

One example of this is the farm's new Vegetable Garden Project; the concept was presented by an Auburn student volunteer, Allie Einarsson. The initiative of fellow student Nettie Eakes helped bring the concept to fruition. Students from the Committee of 19, Auburn Biosystems Engineering, and Mobile Landscape Studio used their expertise to create the garden. For Little, the garden truly exemplifies the spirit of Storybook and the invaluable role played by volunteers and the entire community.



MISSION: Storybook Farm's mission is to walk alongside children with uncertain futures and provide them with unyielding joy and hope. It is a place for healing, sharing, learning and growing; where children can experience the exhilaration of riding; where families can come together to support one another; where volunteers can find a profound sense of purpose; and where a community can find its collective spirit. They are all essential to the life that has become Storybook.

Another project that Little is extremely excited about is the construction of an educational pavilion inclusive of a teaching kitchen where children will not only learn about the importance of fresh vegetables, herbs and fruits to proper nutrition and diet, but will have the opportunity to prepare and enjoy healthy meals together. The project will further establish Storybook's role as an educational tool for both children in special education programs and student volunteers in their educational programs at Auburn University. Education has always been a central component of Storybook's mission and countless aspiring teachers in the College of Education have grown in the art of pedagogy while giving back at the farm.

It is clear that Auburn students not only give an incredible amount of their time, energy, and smiles to Storybook Farm, but that Storybook Farm gives a lot back to them. Volunteer Alex Jay said: “[Dena Little] has become like a second mom to me. All of the riders that I have met have made a lasting impact on my life.”

It is indeed a very special partnership that has been cultivated over many years between Storybook and the Auburn University community; a partnership that will no doubt continue striving to bring ever more joy, courage, strength, growth and, most importantly, hope to the beautiful and remarkable young visitors that revel in the magic of Storybook Farm - www.hopeonhorseback.org.

GEAR UP Summer Program Provides Opportunities for Area Students

In partnership with the Youth Programs Division of the Office of Professional and Continuing Education, the Center for Educational Outreach and Engagement facilitated the summer programming arm of GEAR UP Birmingham City Schools. This program provides students with opportunities to participate in curriculum and activities designed to pique their interests in preparation for college and career. After a successful summer 2015, CEOE continued to expand its summer camp offerings by adding four new camps for 2016. To bring a focus on the arts, MOSAIC Theatre, Tiger Beats Music Production and Perfect Pitch Too Voice Camp provided an opportunity for students to expand their skills in these arts. For those with an entrepreneurial spirit, the Tiger Cage Entrepreneur Camp taught valuable business skills.

Mosaic Theatre Camp allowed participants to explore and express current issues of diversity through the stories of their communities expressed through on-stage performances.

Students were trained in acting techniques using dramatization of events relevant to them and their peer group. The camp ended with a group stage performance before a live audience.

The Tiger Beats Music Production camp allowed campers to show their skills and develop new ones as they learned to make electronic beats, loops, samples and songs, showcasing music that included hip-hop, electronic, gospel, pop, indie rock and experimental. This camp gave aspiring producers, beat makers, songwriters, and musicians the basic tools they needed to make their own music. Led by professional musicians and producers, they learned the technology behind audio recording and production using the latest and best software in a dedicated “tech music studio” on the Auburn University campus.

Promising teen singers were given lessons on pitch, tone, musicianship and performance skills. With vocal instruction led by international performing artist

and voice instructor Professor Previn Moore (Vienna Conservatory Private University, Vienna, Austria), students had a fun and unique experience developing their personal vocal skills while gaining confidence in their ability to perform. This extraordinary opportunity culminated with a performance before an audience at the end of the week.

Tiger Cage Entrepreneurship Camp allowed students with a business concept or idea for a product



to work directly with professors, business leaders and entrepreneurs to further develop their ideas into reality. The camp included classroom instruction, interactive activities, computer lab, and field trips to local businesses and a hands-on learning experience designed to guide program participants toward becoming the owner of an actual small business. Campers were exposed to practicing real world business skills: team building, leadership development, financial management, verbal communication, and business etiquette through interactive lessons and exercises. Campers learned to successfully negotiate for business materials, set goals, and recognize real business opportunities. Tiger Cage students also learned about the various college majors and business careers that support entrepreneurship (accounting, finance, marketing etc.) from Harbert College of Business professors.

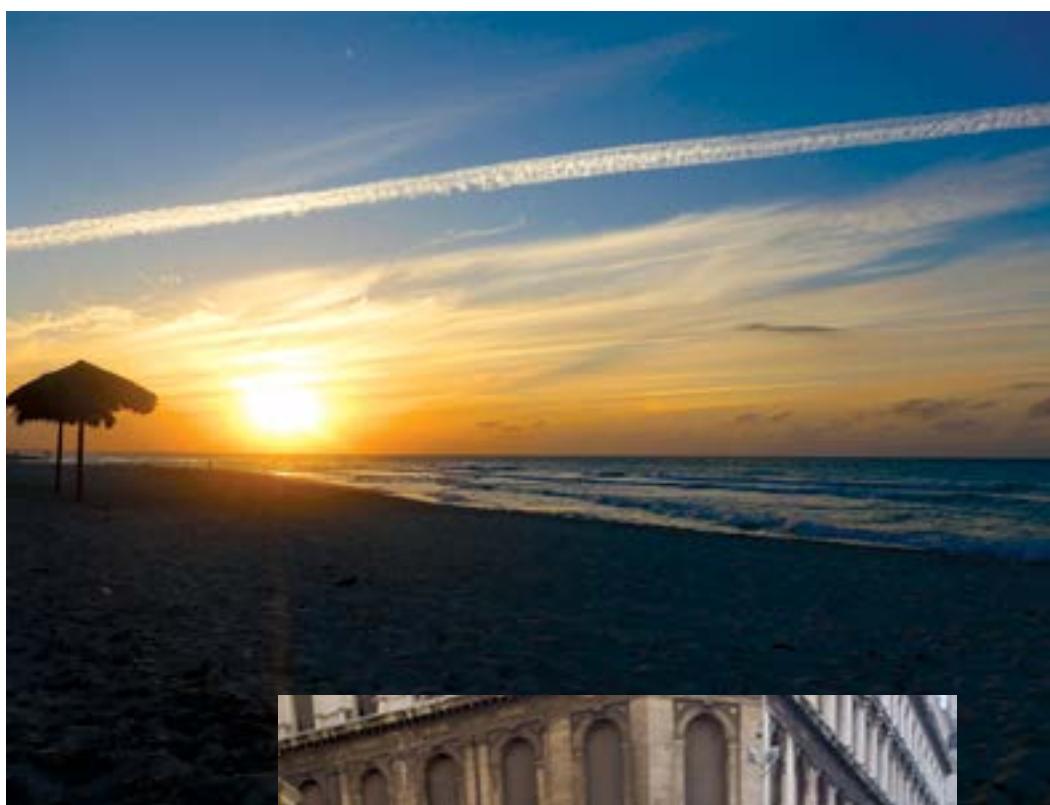
University Outreach Office of Faculty Engagement Leads Delegation to Cuba

A six-member delegation returned to the United States Friday, June 24, following a one-week educational and cultural engagement in Cuba. The delegation was comprised of Auburn University representatives and professionals from the midwest region of the United States.

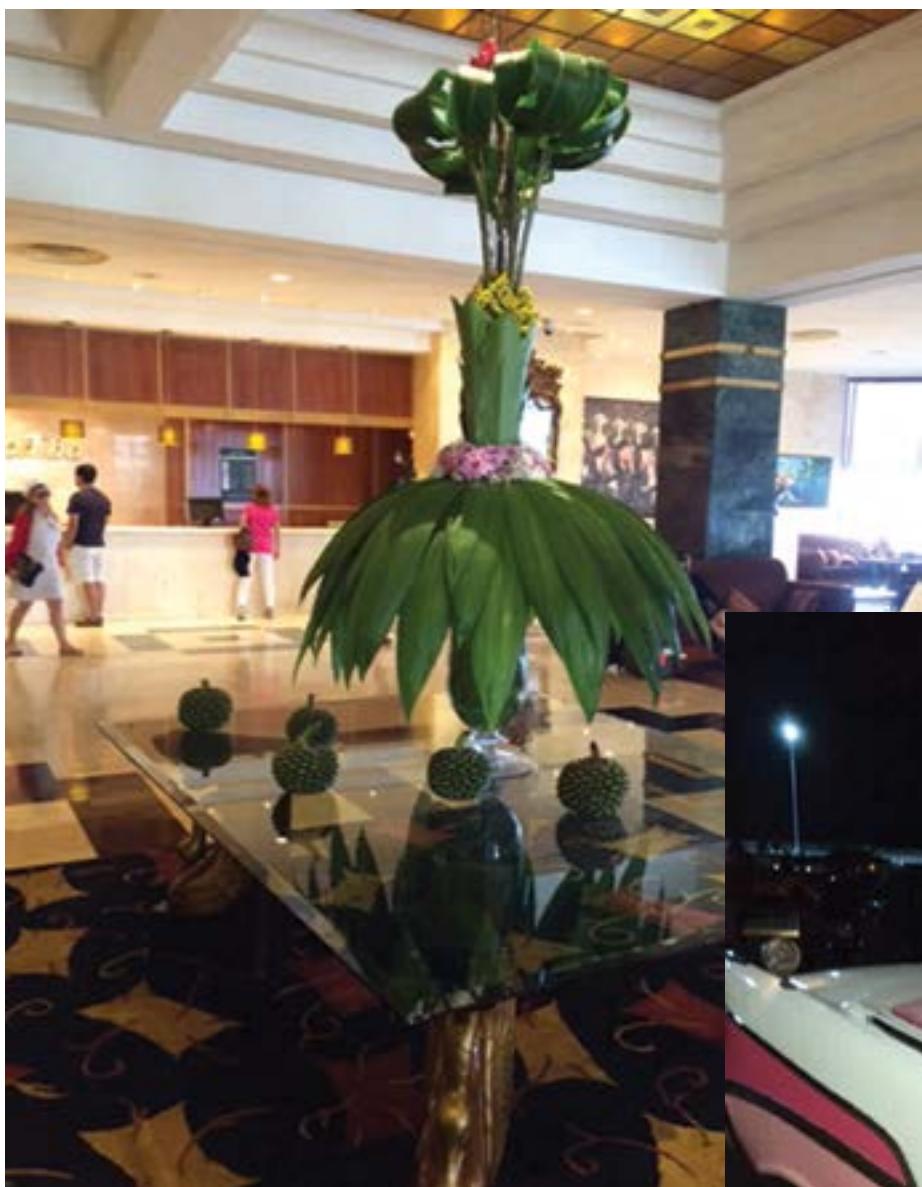
The delegation traveled across Cuba from Holquin, Santa Clara, Cienfuegos, and Trinidad to Havana, Cuba. The six-day engagement provided educational insights into the culture of Cuba as well as an opportunity to meet with various community members at community projects and centers and also to meet with faculty and administrators at Santa Clara University and the University of Cienfuegos. Delegation members were able to come back to the United States with various ideas about how to further engage in Cuba.

This delegation marks the fifth trip offered out of the Office of the Vice President for University Outreach in partnership with

Cuba Cultural Explorations Group headquartered out of Delray Beach, Florida. These trips have provided the opportunity to cultivate relationships with various universities, educators, specialists, dignitaries, and



can hear local speakers discuss and conceptualize opportunities in the largest, least-commercialized, most exciting island in the Caribbean. Cuba's relative political isolation has prevented it from being overrun by tourists, and locals are sincerely friendly to those who do venture in. Enrollment for 2017 delegations registration is approaching. If you have questions, please contact the Office of Faculty Engagement at au2cuba@auburn.edu or call (334) 844.5705.



professionals throughout Cuba. At present, collaborative agreements are forming with Santa Clara University and University of Cienfuegos. University Outreach is exploring ways to build capacity by helping faculty from other colleges and schools to engage more meaningfully and impactfully in Cuba.

Beyond experiencing a 50-year standstill in time, a trip to Cuba provides the opportunity to learn what the re-establishment of U.S. - Cuba relations might mean for future educational, business and other collaborations. The time to go to Cuba is now. During the visit, visitors

Report in Brief: Faculty Public Engagement Survey

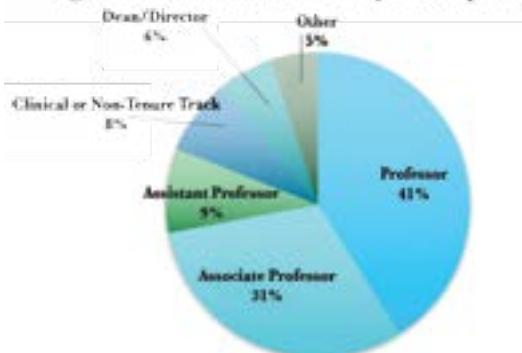
Auburn faculty are significantly active in building community and institutional partnerships according to a survey on public engagement taken in the last academic year. The summary report was prepared by University Outreach's Office of Faculty Engagement.

The survey was commissioned in response to the university strategic plan "Priority 4 – Enhance Public Engagement" objectives promoting faculty participation in outreach work. Faculty were invited to complete the study to identify the scope of their community engagement—percentage of involvement, activity produced, areas of focus, etc.—as well as their impressions of the value placed upon engaged scholarship and the level of support for the function.

"Engagement stewardship lies at the intersection of involvement between the community—local, state regional national, and international—and the university," says director of Faculty Engagement, Chippewa Thomas. "This survey was initiated to capture important data that might inform future initiatives and incentives to support and stimulate faculty engagement at Auburn University."

Faculty from 10 schools and colleges responded to the survey. Some 72 percent of respondents were tenured associate or full professors. The survey responses provide a snapshot of these faculty members' level of involvement in outreach activity. Of the allocation of work assignments among respondents, 16 percent was reported for outreach and extension activity as compared to instruction (46.2 percent), research and creative work (36.1 percent), and departmental service (12 percent). Of those that indicated they did not engage in any outreach or extension activities, almost three quarters indicated that outreach was not a formal percentage of their work assignment.

Figure 1: Breakdown of Survey Participants



For those faculty involved in outreach work, community and institutional partnerships are the most prominent area of focus. Just short of half (43 percent) reported being engaged in building community and institutional partnerships. Working with K-12 schools was the second highest area of focus, reported at 30 percent.

Time spent in an activity is a measure of value one places on that activity. Faculty estimates of time spent in engaged activities varied to a large degree. However, the mean percentage of time spent on outreach in the past academic year was reported at almost 25 percent.

Some 22 percent of participants indicated that they received financial support for their engagement work from their academic unit, followed by their college or school administration. Fourteen percent reported receiving financial support from University Outreach.

A full report of the Survey of Public Faculty Engagement will be available at the original survey website at www.auburn.edu/outreach/engagement_survey.htm.

Figure 3: Areas of Focus in Outreach among Faculty (%)

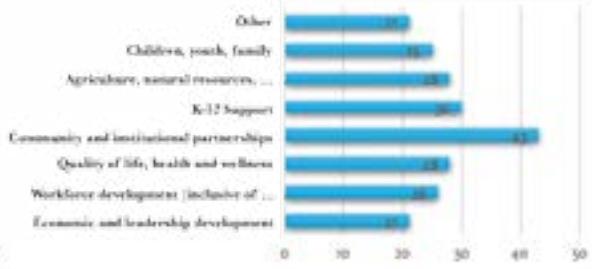


Figure 4: Financial Support



Carolyn Campbell-Golden Receives Fulbright U.S. Scholar Award

College of Education doctoral candidate, Carolyn Campbell-Golden, receives Fulbright U.S. Scholar International Education Administrator Award to Germany.

Carolyn Campbell-Golden, vice chancellor for advancement at Auburn University at Montgomery and a doctoral candidate in administration of higher education, has received a Fulbright U.S. Scholar International Education Administrator Award to Germany from the U.S. Department of State and the J. William Fulbright Foreign Scholarship Board.

Campbell-Golden is one of over 1,200 U.S. citizens who will teach, conduct research and provide expertise abroad for the 2016-17 academic year through the Fulbright U.S. Scholars Program. Recipients of Fulbright awards are selected on the basis of academic and professional achievement as well as a record of service and demonstrated leadership in their respective fields.

Through the award, Campbell-Golden will participate in group seminars designed to familiarize U.S. higher education administrators with Germany's higher education system, society and culture. She will travel to Berlin and other cities in Germany and engage in a series of briefings, government appointments and campus visits concluding with meetings with a group of fellow American administrators participating in a similar program in France.

The Fulbright Program is the flagship international educational exchange program sponsored by the U.S. government and is designed to build relations between the people of the United States and the people of other countries needed to solve global challenges. The Fulbright Program is funded through an annual appropriation made by the U.S. Congress to the U.S. Department of State. Participating governments and host institutions, corporations and foundations around the world also provide direct and indirect support to the Program which operates in over 160 countries worldwide.

This year marks the 70th anniversary of the Fulbright Program's establishment in 1946 under legislation introduced by U.S. Senator J. William Fulbright of Arkansas. Since then, the Program has given more than 360,000 students, scholars, teachers, artists, and scientists



the opportunity to study, teach and conduct research, exchange ideas, and contribute to finding solutions to shared international concerns.

Fulbrighters address critical global challenges – from sustainable energy and climate change to public health and food security – in all areas, while building relationships, knowledge, and leadership in support of the long-term interests of the United States and the world. Fulbright alumni have achieved distinction in many fields, including 54 who have been awarded the Nobel Prize, 82 who have received Pulitzer Prizes, and 33 who have served as a head of state or government.

Fulbright recipients are among over 50,000 individuals participating in U.S. Department of State exchange programs each year. The Fulbright U.S. Scholar Program is administered by the Council for International United States Department of State • Bureau of Educational and Cultural Affairs • Washington, DC • 20522 • <http://eca.state.gov/fulbright> Exchange of Scholars. For further information about the Fulbright Program or the U.S. Department of State, please visit <http://eca.state.gov/fulbright> or contact the Bureau of Educational and Cultural Affairs Press Office by telephone 202-632-6452 or e-mail ECA-Press@state.gov

Living Democracy

Ten weeks of discovery, action, adventure, community building. Ten weeks of making memories for a lifetime.

Ten weeks of an experience four Auburn University 2016 Living Democracy students are bringing back to classes this fall after spending their summer in four Alabama communities.

Madison Chamblee, Weston Sims, Hamilton Wasnick, and Maranda “Randy” Whitten helped organize events ranging from reading groups to festivals, attended civic meetings, and interviewed local citizens as they lived and learned in Elba, Linden, Roanoke, and Collinsville.

The four plugged into relationships with communities and local partners built over five years of the Living Democracy program. Since its inception, 26 students from diverse majors have participated.

Sims, a political science and economics major, said, “Because of my 10 weeks in Roanoke, I began to understand the intricacies of local civic life a bit better. But, more importantly, I’ve discovered the peculiar kind of spirit Roanoke has, and I love it.”

Sims, who assisted with youth initiatives and conducted interviews for an economic development video, explained that he expects to bring lessons learned over the summer home as he starts his sophomore year.

“Experiencing all of this first-hand inspired me to vow to keep up with Auburn’s local community life and to see where I can partake in shaping it when I return to college.”

In Collinsville, Chamblee, an environmental design and interdisciplinary major, helped direct a children’s dance group, conducted summer reading programs at the public library and built a raised bed garden.

Whitten, a sociology major, worked with Restoration 154, a nonprofit organization, as well as with programs sponsored by Elba Parks and Recreation Department. She said, “It was really cool to see a behind-the-scenes view of how community leaders work. I learned a lot



from these organizations run by people who love and invest in their community.”

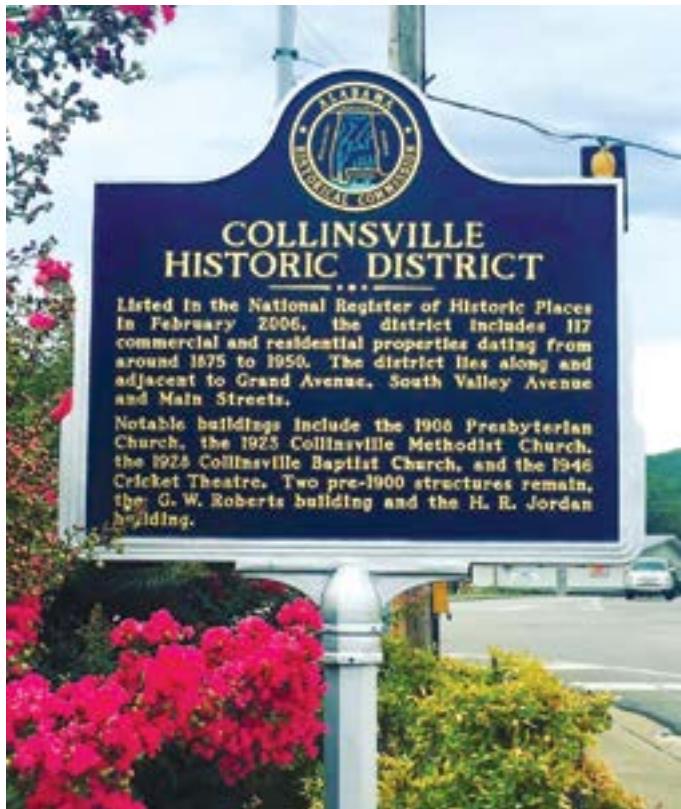
Wasnick, a history major, spent his summer interviewing veterans in Linden and will submit those interviews to the Library of Congress. He also enjoyed



mastering the game of dominoes at the Linden Senior Center and living in the local fire station.

The students reported that their richest experiences came from building relationships with active citizens doing the hard work of democracy.

All four wrote stories about the people and places they discovered. These stories can be seen on the Living Democracy blog at <http://www.cla.auburn.edu/livingdemocracy/> and on Facebook.



Living Democracy is a program of Auburn University's College of Liberal Arts and the David Mathews Center for Civic Life. Participating students serve as Jean O'Connor Snyder Interns with the Mathews Center.

Cristin Foster Brawner, executive director of the Mathews Center, said, "Participating students do not just live and work in the community; the community is seen as a meaningful, enriching classroom. Each summer, participating fellows develop new skills, learn valuable lessons, and receive real-world experiences that inform their college education, future career, and active participation in civic life."

Living Democracy is coordinated by Mark Wilson, director of Civic Learning Initiatives in the College of Liberal Arts, Nan Fairley, associate professor of journalism, and Rachel Naftel, Caroline Marshall Draughon Center for the Arts & Humanities graduate assistant.



Building a Better Future

*BEST Robotics Participant Changes Children's Lives,
One Hand at a Time*



Zach McCleery, a rising high school senior at St. Luke's Episcopal School in Mobile and longtime participant in the Auburn University BEST Robotics program, took inspiration from his experience in BEST Robotics and executed an Eagle Scout project where he coordinated the purchase, production, and construction of affordable prosthetic hands that were shipped overseas to a group of children in Vietnam.

McCleery began participation in BEST Robotics, which is sponsored by the College of Sciences and

Mathematics and Samuel Ginn College of Engineering, when he was in sixth grade. "BEST" stands for "Boosting Engineering Science and Technology," and is a national robotics program geared toward middle and high school students that culminates in one of four regional championships, including South's BEST, which is headquartered at Auburn University.

During the South's BEST championship, teams compete in a series of head-to-head matches on a playing field where robots score points by picking up objects,

maneuvering around various obstacles, and placing the objects in specified locations. McCleery's robotics team at St. Luke's is part of the Jubilee BEST Robotics hub, which consists of 40 schools from southern Alabama and the Mississippi Gulf Coast.

"I am an engineer at heart and I love robotics," said McCleery. "I was on our school's BEST Robotics claw team for a couple of years, and I have always enjoyed making things that will grab things."

The St. Luke's claw team division is responsible for designing and building the mechanism on the robot that will pick up and deliver items on the competition playing field. For the 2015-2016 academic year, McCleery was the St. Luke's robotics team chief engineer as well as one of the robot operators during the competition.

"Robotics has really helped me a lot," said McCleery. "I have always liked engineering, and Legos were a big part of my childhood, but participating in robotics let me know I could pursue something like building prosthetic hands for my Eagle Scout project. BEST has taught me to work as a team and to listen to others - even the sixth graders who might just have the best ideas. BEST helps you to listen and truly think outside the box."

McCLEERY applied lessons learned through participation in BEST Robotics to his Eagle Scout project, which was made possible, in part, by the Enable Community Foundation. The foundation works with a network of worldwide volunteers who ensure that anyone who is a good candidate and requests one of their prosthetic hands will receive one.

The hands are created using 3D printing, which is a process of making three dimensional solid objects from a digital file. Opelika resident Melina Brown is director of case management and quality assurance for Enable Community Foundation, and she worked with McCleery on his Eagle Scout project.

Unlike traditional prosthetic devices which are expensive and oftentimes created to look as realistic as possible, the hands created through the Enable Community Foundation cost a mere \$40 and are brightly colored, made of plastic, and more closely resemble a superhero robot hand. Brown, whose son Ethan has received multiple hands through the Enable Community Foundation, including one from McCleery, said the device is a life-changer, especially for children.

"My son loves the hand," said Brown. "He was being teased at school, and so for him the hand has become an equalizer. When a child walks through the door with this brightly colored superhero-looking hand, the other children wish they had one too and it levels the playing field a little bit. It's just enough to take a child who was feeling a little upset about what they are stuck with, something that they couldn't change, and it



increases their self esteem. Suddenly they are getting attention and it's not negative attention. So that negative becomes a positive through a \$40 piece of plastic. It changes everything. My son has gone from hiding his hand to speaking in front of groups of people about his experiences and how it has changed his life."

Enable Community Foundation volunteers have supplied more than 1,500 hands to recipients all over the world, and their design is open source, meaning anyone can use their template to create their own hand.

"My aunt knew how interested I am in prosthetic hands and engineering things that can grab, and she is actually the one who told me about Enable," said McCleery. "I saw the prosthetic hand and thought it was the coolest thing. I fell in love with the idea of being able to create a prosthetic hand for a child or an adult, and, although I am only a junior in high school, being able to change someone's life."

McCLEERY was able to raise enough funds to purchase the parts to create 28 hands. He then hosted an all-day event in his school library where approximately 100 volunteers assisted in assembling all of the hands.

The hands were presented to Brown and the Enable Community Foundation during the South's BEST Robotics championship at Auburn University, and then shipped overseas to a group of children in Vietnam.

"To be able to change someone's life, like, a kid who didn't have a hand, to be able to give them a hand so they can ride a bike, or climb a tree, or ride a scooter, or whatever, to be able to truly change someone's life, especially as a junior in high school, is incredible," said McCleery. "This isn't about my Eagle Scout project; it's about the kids I have been fortunate enough to help – those kids are the true heroes. And Jubilee BEST has introduced me to something new I would never have experienced otherwise, and also the Enable Community Foundation – they are the true heroes."

For more information on the BEST Robotics program, visit the website at www.auburn.edu/cosam/outreach.

Outreach News

Cook Recognized for Leadership, Promoted to Vice President

Recognizing his leadership and growth in University Outreach, **Royrickers Cook** was promoted to vice president in September. Cook assumed responsibility for the University Outreach division in 2006 as assistant vice president. Since then Auburn's outreach programming has increased steadily in scope, effectiveness and impact; University Outreach currently hosts eight offices and various initiatives across campus. Under Cook's leadership, Auburn has received a number of national awards and recognitions for its outreach programs, including the prestigious Carnegie Foundation Community Engagement designation.



2016 Brilliant Minds Tour in Auburn

In mid-July, CNN Hero Estella Pyfrom and her Brilliant Bus and Brilliant Minds Kids Tour visited the Auburn University campus as part of a program hosted by the Center for Educational Outreach and Engagement (CEOE), an office of Auburn's University Outreach division.



The 12-day tour traveled from South Florida to Jackson, Mississippi, giving students from underserved schools educational training and self-help experiences to empower them with life-long learning focusing on technology. Throughout the tour, students were engaged with area professionals and academics, learning computer coding and entrepreneurship.

While at Auburn University, students attended technology workshops and took a campus tour during their stay at the Hotel of Auburn University and Dixon Conference Center. In celebration of their commitment to educational improvement, there was a hosted dinner at

the Hotel with live music, dinner and dancing. Featured Auburn University speakers encouraged and inspired students to continue their pursuit of technology.

Departmental Name Change

The K-12 Initiatives Office has been renamed the Center for Education Outreach and Engagement, representing the expansion of initiatives serving the educational community and promoting college access for underserved students in the state. CEOE is charged with expanding professional development and educational conferencing opportunities for school districts, coordinating K-12 oriented community partnerships and international projects, leveraging state and federal service exchanges, heading up the CEOE network and increasing Auburn's engagement in federal programs which promote college access to underserved students.

Center of Educational Outreach Welcomes New Staff



LaDonna Langley



Lena Fielder

The Center for Educational Outreach and Engagement (CEOE) is pleased to announce the addition of two employees, **LaDonna Langley** and **Lena Fielder**. Langley joins the CEOE team to lead coordination of programs associated with GEAR UP grants on which Auburn University serves as co-principal investigators. She will coordinate the collaboration specifically with GEAR UP Birmingham City Schools. Lena Fielder joins the team as TSE Administrative Support and will assist with coordination of Outreach activities and administrative duties. Fielder is a graduate assistant for CEOE and will pursue her doctorate in adult education from Auburn University.

Center for Educational Outreach and Engagement (CEOE) Network

The CEOE Network, a council comprised of Auburn University faculty engaged in applied projects with K-12 schools, will have its inaugural meeting in the fall of 2016. The purpose of the CEOE Network is to bring together faculty that are currently working on K-12 related projects, or those that wish to collaborate with other engaged faculty. The CEOE Network will focus on interdisciplinary project formation, implementation and development. Collaboration around major grant funding will be a particular emphasis of the CEOE Network in order to further state-wide, national and international initiatives dedicated to K-12 classrooms. The network, led by center director Stacey Nickson, is currently recruiting interested and engaged Auburn faculty.

AU Anatomy Academy

The College of Veterinary Medicine and the Center for Educational Outreach and Engagement (CEOE) collaborated to form the Auburn University Anatomy Academy. The Academy will offer anatomy workshops based on the Alabama Science course of study to area K-12 students at a local school site. The academy was designed by Elaine Coleman, who will work with K-12 teachers to offer hands-on lessons in anatomy using models, manipulatives and other scientific teaching devices. The workshops are scheduled to begin in Spring of 2017.

David Mixson Joins GEDI Staff

David Mixson joined the staff of the Government and Economic Development Institute in July as associate director.

“David brings a wealth of experience in University Outreach,” said executive director Joe Sumners. “He’s well respected on campus and throughout the state through his work with the Auburn Technical Assistance Center. His leadership will make GEDI even stronger

as we serve the needs of our clients.” Mixson has over 20 years of economic development management experience including leading Auburn’s Economic Development Administration University Center program and the Alabama Technology Network’s innovation and marketing programs. He serves as vice president of the Educational Association of University Centers and contributes to Alabama’s economic development



community through his innovation assistance to startups using Innovation Engineering and Lean Startup methodologies.

Mixson holds a Bachelor of Science degree in Management and a Master of Business Administration degree from Auburn University and is a graduate of the University of Oklahoma’s Economic Development Institute.

Spence Completes Year of Service

Christina Spence spent the past year as an AmeriCorps VISTA with the Office of Public Service. She completed her year of service at the end of August. During her term, she has served as advisor for the Campus Kitchens Project at Auburn University. Under her direction, the student organization increased capacity in meal distribution, volunteer recruitment, food recovery, and community partnerships. Spence returned to her home state of North Carolina to complete a second year of national service as a Community impact VISTA at the United Way of Forsyth County in Winston Salem, North Carolina.

Megan Sawyer Joins Office of Public Service

Megan Sawyer has joined the Office of Public Service as an AmeriCorps VISTA, or Volunteer in Service to America. She will serve one year with the Office of Public Service. Megan earned her bachelor’s degree in psychology with a minor in civic engagement and leadership from the University of Alabama. While at the University of Alabama, Megan worked with the Center for Economic Development on their “Books for the Black Belt” project where she collected thousands of book donations for Alabama schools in need.



In addition, Megan worked with UA’s Honors College to create a class centered on civic engagement in the Black Belt. Having gained an appreciation for community involvement and activism, she was inspired to serve with AmeriCorps VISTA to continue her work connecting students and community partners. At the Office of Public Service, Megan will work with local non-profits,

organizing volunteer fairs, partner trainings, and lunch and learn activities while also serving as an advisor to the Campus Kitchens Project.

2016 Campus Compact Newman Civic Fellow Award

Campus Compact recently named Auburn University student Calvin Wilborn a 2016 Newman Civic Fellow.

The Newman Civic Fellowship honors inspiring college student leaders who have demonstrated an investment in finding solutions for challenges facing communities throughout the country. Campus

Compact is a national coalition of nearly 1,100 colleges and universities committed to civic engagement. Wilborn is a sophomore majoring in public administration and minoring in community and civic engagement, both in the College of Liberal Arts. Throughout the school year, Wilborn organized several voter registration drives and worked with other political clubs on campus to promote civic activism. Wilborn has been active with the Student Government Association's Lobby Board, which advocates for increased higher education funding from the Alabama State Legislature. Wilborn also participated in an Appalachian Teaching Project focusing on the revitalization of the Tuskegee National Forest.



Calvin Wilborn receives his Newman Civic Fellowship honor from Royrickers Cook.

Auburn University Mobile Health Promotion Clinics

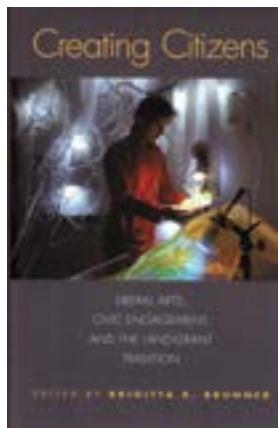
Mobile Health Promotion Clinics are an integral part of Auburn University School of Nursing outreach. In the course of a year, approximately 400 undergraduate and graduate nursing students engaged in preventive health screening and health promotion teaching for close to 2,000 recipients. Preventive screening activities include obtaining a detailed health history, measuring blood pressure, vision and dental screening and other physical



assessments. Point of care testing for glucose and cholesterol values are also part of the screening in most settings. Clinics are conducted in a variety of community settings directed at the underserved and/or low income individuals, from school-age children to elders. Student and faculty work side by side to provide these services and the settings provide for a great deal of autonomy and interaction with the population served. Students are exposed to clients in settings outside of a hospital, giving them a community-based health care perspective. Clients seen in these clinics leave with a lot of personal health information and education that they will hopefully carry into their daily lives and use to adopt a healthier lifestyle.

Brigitta Brunner Book on Civic Engagement Published

A new book on community and civic engagement, "Creating Citizens: Liberal Arts, Civic Engagement, and the Land-Grant Tradition", was edited by Auburn's Brigitta Brunner, professor in the School of Communication and Journalism in the College of Liberal Arts. In the book, professors and administrators at Auburn University's College of Liberal Arts recount valuable, first-hand experiences teaching Community and Civic Engagement. "Creating Citizens" profiles nine programs and demonstrates how civic engagement can advance curricular objectives as well as the fundamental land-grant mission of the institution. Chapters featured include discussions on engaged scholarship in tenure and promotion, civic engagement internships, outreach programs in the college, community-based research and more. The book is available through the University of Alabama Press.



University Outreach Receives International Recognition

In recognition of its support of the Auburn University Audiology Outreach Program in Guatemala, the Office of the Vice President for University Outreach received an award from the Guatemalan Committee for the Blind and Deaf. Begun eight years ago with a \$17,000 Outreach Scholarship Grant from University Outreach, the program has continued for more than eight years with support from donors, the College of Liberal Arts, and the Department of Communication Disorders (CMDS). Each May, CMDS faculty, doctoral students, and alumni travel to provide hearing services to children in Guatemala who are not otherwise able to benefit from their educational opportunities because they are unable to hear their teachers. With continuing encouragement and support from University Outreach, this program has not only



provided direct services to hearing impaired children, it has continued to build the relationships and resources in Guatemala needed to ensure project quality, sustainability and ownership by its Guatemalan partners.



Presentation of the award to Dr. Cook by CMDS professors Kelli Watts (L) and Sandra Clark-Lewis.

Encyclopedia of Alabama Wins Award for Digital History Excellence

The online Encyclopedia of Alabama won the Alabama Historical Association's inaugural Digital History Award. The award recognizes excellence in projects that deliver information on Alabama's past using the internet and social media tools. It was presented on April 15 at the association's annual meeting in Montgomery. The Encyclopedia of Alabama offers articles and multi-media resources on the state's history, culture, geography, and natural environment. EOA is a state-wide project sponsored by the office of the Vice President for University Outreach at Auburn University; its editorial offices are located in Ralph Brown Draughon Library.

"The Digital History Award committee was impressed that the Encyclopedia of Alabama provides an exemplary example of how to manage the tensions between digital accessibility and authoritative content," said Marty Olliff, committee chair. "Furthermore, EOA's base of knowledge is broad-based, programmatic, and continually enhanced. Finally, the committee recognized EOA's robust interaction with its user community through social media." Olliff is director of the Wiregrass Archives and an associate professor of history at Troy University Dothan Campus.

EOA won in the large project category, designated as having outside funding and at least one full-time equivalent staff. The small project category was won by BhamWiki, an encyclopedic resource about Birmingham and the region around it. The award committee chose the winners from more than a dozen entries. The selection criteria included projects that made obvious contributions to promulgating Alabama history or a component thereof, that were historically accurate, and that exhibited superior design and navigation practices.

The Alabama Historical Association, the oldest statewide historical society in Alabama, is a volunteer led organization established in 1947 to provide opportunities for meaningful engagement with the past through publications, meetings, historical markers, and other programs. The AHA Digital History Award will be awarded every odd-numbered year.

Outreach Advancement Board Member Henry Ford Recognized

The Auburn Alumni Association, Office of Diversity and Multicultural Affairs and the Office of Development recognized Henry Ford '76 among 14 recipients for the Black Alumni Weekend Awards Program.

"The Auburn Alumni Association is proud to be associated with these outstanding alumni, for both their achievements in their careers and their dedication to Auburn University," said



Jack Fite, president of the Auburn Alumni Association. One of Auburn's first 50 African-American graduates, Ford is co-founder and executive director of the Spirit

of Luke Charitable Foundation in Birmingham. Ford is a charter member of Auburn's University Outreach Advancement Board.

OPCE Challenge Course Enhances Leadership Development

University Outreach's Office of Professional and Continuing Education is challenging individuals to develop their leadership skills – literally. OPCE's Auburn University Challenge Course, an outdoor facility of arboreal structures and other man-made obstacles, provides professional, student and community groups with exercises designed to enhance communication, team building, cooperation, leadership development and trust building. The course, originally administered by the College of Agriculture, is located in north Auburn. OPCE now administers the course as part of its overall program of professional and leadership training opportunities.



Programs are developed based on the needs and objectives of each group. The course is comprised of a variety of "low" challenge

elements such as walls, barriers, string webs and other on-the-ground obstacles, and "high" elements such as cat walks, rope bridges and ziplines. The challenges allow individuals and team groups to work outside of their comfort zone to accomplish team objectives and bond with teammates.

For information about programs and scheduling, contact auchlg@auburn.edu or call 334-844-5100 for more information.



Easterwood Receives Ace Star Award

Mike Easterwood has been a long-time supporter and advocate for The Alabama Communities of Excellence program (ACE) and served as interim executive director for ACE in 2004. Recently, Joe Sumners GEDI executive director, nominated Easterwood for recognition and Easterwood was presented with a 2016 ACE Star Award. This award recognizes individuals who have performed above and beyond the call of duty and who embody the principles of the ACE Program, a comprehensive development program designed to assist Alabama's smaller communities in their efforts to plan, grow and prosper. Easterwood was recognized for his outstanding leadership, his passion for small-town Alabama, and his commitment to making communities stronger.



The Ace Star Award recognition comes at the culmination of Mike's long career of public service. After 31 years of service, Mike Easterwood, senior outreach associate for the Government and Economic Development Institute (GEDI), has retired. He joined the staff of Auburn University in 1985. Prior to his employment with GEDI, he served as Development Director with the Center for Governmental Services from 1985-1994. He joined GEDI (formerly ECDI) in 1994 and was most recently responsible for conducting research related to state and local economic development activities in Alabama; preparing and administering

grant proposals on behalf of GEDI, Auburn faculty and departments, and other organizations outside the university; conducting workshops on grant writing; and working with communities in developing strategic plans for economic development.

Easterwood received a bachelor's degree from Auburn University in 1971 and earned graduate degrees from Jacksonville State University (Master of Public Administration) and the University of Alabama in Birmingham (Master of Arts in Urban Studies).

University Outreach Staff Receive Service Recognitions

Six long-time employees in the University Outreach division received service recognitions at Auburn's annual awards ceremony:

30 years – Mike Easterwood, Government and Economic Development Institute

25 years – Elizabeth Haeussler, Office of the Vice President for University Outreach; **Karen Rankin**, Office of Public Service

15 years – Janie Echols-Brown, Office of Public Service; **Maria Tamblyn**, Government and Economic Development Institute

10 years – Amelia Stehouwer, Government and Economic Development Institute

Wall Street Journal Ranks Auburn Sixth Nationally for Student Engagement

The Wall Street Journal/Times Higher Education College Survey placed Auburn as the sixth-ranked university nationally in terms of engagement. The Journal made the announcement in September in its list of Top Schools for Engagement. The survey of 100,000 students across the country measured how well students are connected with their school, each other and the outside world, and how challenging their courses are. "Engaging students is an important goal in our university strategic plan," said Royrickers Cook, vice president for University Outreach and associate provost. "This Wall Street Journal report is affirmation that Auburn has been effective promoting student civic engagement through a wide range of curricular and public service activities."

Campus Kitchens Sponsors Mobile Food Pantry

In recognition of the 2016 Martin Luther King Day of Service, Campus Kitchens sponsored a Mobile Food Pantry at the Macon County Food Bank in Tuskegee, Alabama. The project mobilized over 20 volunteers who distributed almost 9,000 pounds of food to residents of Macon County.



The food pantry was made possible by a grant from Campus Compact. Former staff members Elizabeth Harbin and Christina Spence worked together to complete the application to receive the grant. Auburn was one of 62 colleges and universities across 25 states selected as recipients of the MLK Day of Service grants.

Campus Kitchens members worked as student coordinators for the grant, conducted fundraising for grant matching funds, volunteered at the pantry distribution site, and provided nutrition information and meals for each family served.

Auburn Outreach Director Stacey Nickson Receives Global Award

Global Ties Alabama, an organization which promotes global awareness and international relationships through citizen diplomacy, named Auburn's Stacey Nickson as its 2016 Citizen Diplomat of the Year.



Nickson is director of the Center for Educational Outreach and Engagement in Auburn's Division of University Outreach.

According to Global Ties Alabama executive director, Jacquelyn Shipe, the award recognized Stacey Nickson's "exemplary accomplishments in promoting international cooperation and productive relations between people in the US and countries around



globe." The award was presented to Nickson at the GTA annual conference in Huntsville, Alabama, on Oct. 25. The conference was attended by delegations from Latin America, the Caribbean and Kazakhstan.

The Global Ties Alabama annual meeting and awards program will be held Oct. 25 in Huntsville.

Long Time ATAC Director, Senior Associate Retire

One of Auburn's longest serving outreach administrators, **Henry B. Burdg**, recently retired from the Auburn Technical Assistance Center (ATAC) with



more than 40 years of service, 38 of which he served as director. Previously with an Ohio engineering firm, Burdg was hired by founding ATAC director Achilles Armenakis. Upon Armenakis's departure from the center two years later, Burdg was selected to lead the unit and has served continuously since. With degrees in aviation management and business administration,

Burdg has worked with businesses and manufacturing firms across Alabama and the southeast to assist them in becoming more competitive and efficient – totaling some 400 plus industry client projects over the years. Burdg is a Certified Management Consultant and has served on the boards of several industry associations.

He has 13 publications in refereed journals and some 10 proceedings publications. Upon his retirement, Burdg was awarded emeritus status with the Harbert College of Business.

ATAC senior outreach associate **Mitch Emmons** also retired in September with some 24 years of service at Auburn. Emmons holds degrees in communications, commercial music and business administration. He worked previously in the public news media at several state newspapers, and later in corporate communications at the Tennessee Valley Authority and West Point Pepperell. He served as a training and development project manager with the state of Georgia's "Quick Start" industrial training program. Emmons joined the staff of the university's public relations office in 1992, managing communications for five campus colleges, the provost's office and research division. He joined the ATAC staff in 2007. At ATAC, Emmons served as administrator for the center's regional marketing, sales, promotion and communications, web and social media initiatives. Emmons, who holds electrician, Six Sigma Greenbelt and Lean Manufacturing certifications, will continue to work as a freelance writer, photographer, musician and songwriter.



The Academy for Civic Engagement (ACE) at Auburn University is a three-day workshop for faculty who are interested in incorporating civic engagement and service learning practices into their courses, outreach scholarship, and P & T documentation. Sessions at the academy will explore and unpack the topics of civic engagement, civic professionalism, service learning, outreach and their impact on research, teaching, and practice.

Date: The ACE will take place at Auburn University in Auburn, AL, May 9-11, 2017.

Schedule: The Academy will include an invigorating schedule of workshops, site visits, and speakers.

Cost: Free for participants from Auburn University. For others, prior to February 1, 2017, the early bird fee is \$900. After February 1, the fee will be \$1,100 per participant. Multiple registrants from the same institution are eligible for a discounted fee.

Credits: Certificates issued by the AU College of Liberal Arts and CEUs upon request.

Application Deadline: Early bird deadline is February 1, 2017, last deadline is February 24, 2017.

Contact: Dr. Brigitte Brunner (brunnbr@auburn.edu) and Dr. Giovanna Summerfield (summegi@auburn.edu)



<http://www.cla.auburn.edu/cla/cee/ace/>

Auburn University is an equal opportunity educational institution/employer.



The College of Education and the Department of Educational Foundations, Leadership, and Technology – “Down Under”

The College of Education and the Department of Educational Foundations, Leadership, and Technology provide a consummate international learning experience that is challenging and relevant to educational leaders, and enhances the global context and experiences of those who will be leading Alabama schools. “We desire to equip our school leaders with knowledge and skills that will help engage educational communities worldwide,” according to EFLT professor James Kaminsky.

Since 2010 the Educational Leadership Program at Auburn University has embedded graduate leadership students with principals and teachers in Tasmania and Sydney, New South Wales. “We completed our seventh Australian style professional development tour in June, 2016. Teachers, assistant principals, principals, and superintendents have participated in our Australia Leadership Experience. When they return to Alabama, they are changed forever,” said Kaminsky.

Tasmania in the words of one of the students: “Having never been outside the United States, our trip to Australia with EFLT was as unique as it was eye-opening. I was embedded with Elizabeth College in Hobart, Tasmania, a school serving students Grades 11-12, and I was struck and inspired by the breadth of the courses offered to students: automobile mechanics, courses on cosmetology, outdoor orienteering, as well as the traditional core courses of math, English, and science.” Moreover, the experience allowed faculty and graduate students alike the opportunity to explore the wonders of the Australian island state at the end of the world – from the heights of Mt. Wellington behind Hobart to the Southern Ocean that marks the frontier of Antarctica.

Sydney, New South Wales, through assistance of Michael Cavanagh and Norman McCulla in the education faculty at Macquarie University, allowed graduate students the opportunity to be placed within all-encompassing educational establishment of one of

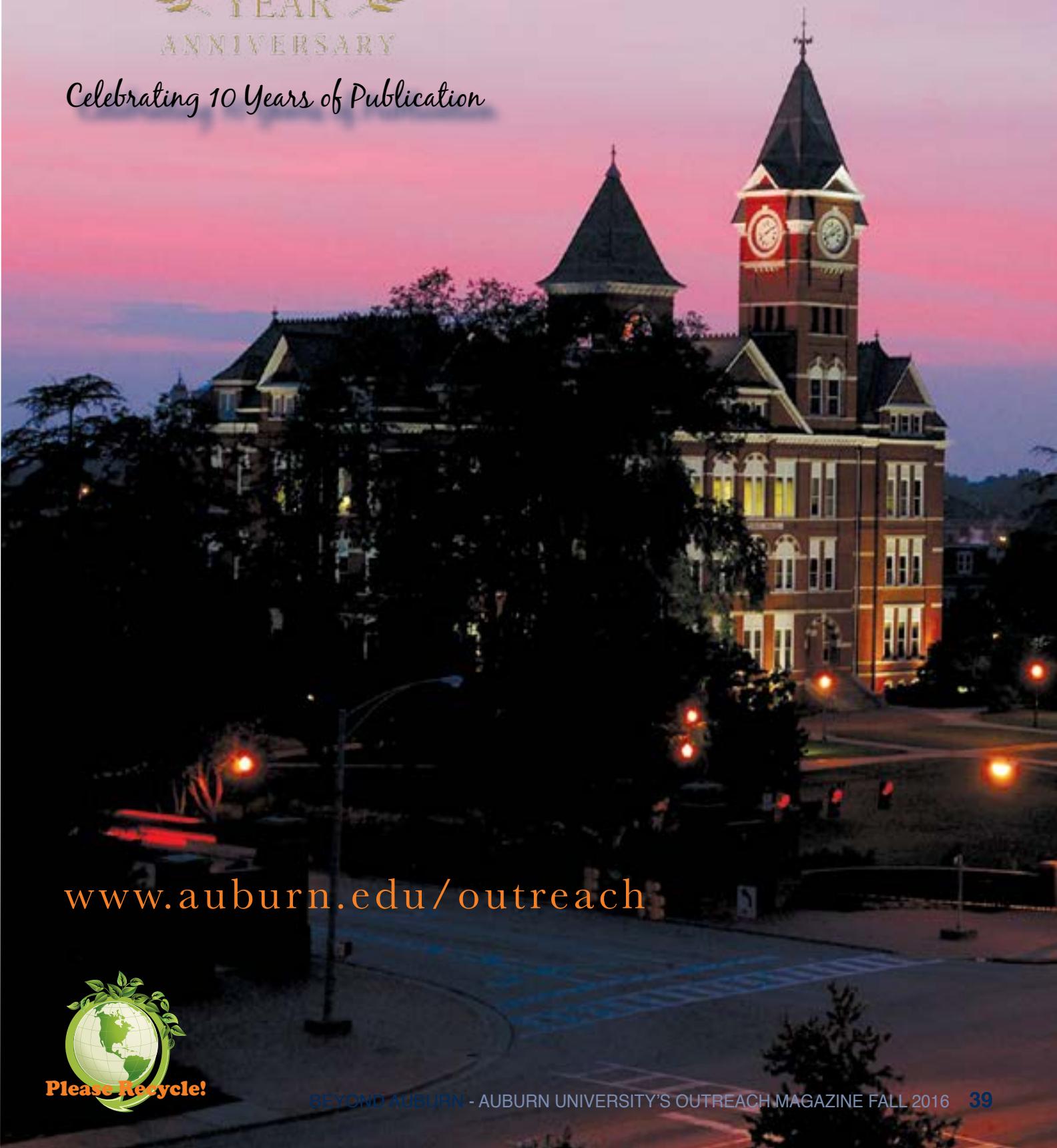


the world’s most sophisticated cities. Sydney has one of the largest and most successful career/technical systems in the world. Technical and Further Education (TAFE), gives graduate students wonderful ideas on how to further develop their own career and technical education centers when they return to their school systems. It also allowed them the occasion to observe the interaction of the extensive system of private schools in the context of public education. Sydney also allowed graduate students to explore the nuances of a nation moving to establish a national curriculum.

These “ah ha!” moments are personal as well. As one student noted: “I’ve never been anywhere outside Alabama. This has really broadened my horizons and boosted my self-confidence. I have really enjoyed thinking in an international context while coming to understand the role of public education in a global economy.”



Celebrating 10 Years of Publication



www.auburn.edu/outreach





*Learn more about Auburn University
Outreach and read additional
issues of Beyond Auburn Magazine.*

