

THE OHIO STATE UNIVERSITY

» continuum

News from the College of Food, Agricultural, and Environmental Sciences

Fall 2015



CFAES ADVANCEMENT
ANNUAL REPORT 2015

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SEVEN CONTINENTS, ONE GOAL

CFAES Study Abroad Strives for Quality, Affordability

As the world becomes more globalized and interconnected than ever before, it is essential for college students to explore first-hand the culture, history, nature and business practices of other countries.

 MAURICIO ESPINOZA



That's what Dana Sorter experienced when she traveled to South Africa last summer as part of the exotic animal

behavior and welfare study abroad program, sponsored by the College of Food, Agricultural, and Environmental Sciences at The Ohio State University.

"I chose this program to round out my animal science education. CFAES does a great job of providing opportunities to learn about food and companion animals, but I still wanted to learn more about exotic species and thought this would be a good way to do so," said Sorter, a native of Loveland, Ohio, who will start veterinary school at Ohio State this fall. "Observing animals in their natural habitat in game reserves and national parks is something that you just can't duplicate in a lecture or lab on campus."

In addition to expanding her professional training, the South Africa program gave Sorter the opportunity to broaden her understanding of the world and gain valuable personal skills.

"Studying abroad can enrich anyone's education by giving them a global perspective. It is truly an invaluable

opportunity to experience the world from a different cultural perspective than your own," Sorter explained. "I also think that being able to say that you visited another country during an educational program is great for your professional outlook because any employer would love to see that you are willing to try new things and take a step outside of your comfort zone."

Sorter's experience is exactly what the college strives to offer students, said Kelly Newlon, CFAES study abroad specialist.

"When our students participate in a study abroad program, they do much more than travel to another country," Newlon said. "They gain access to opportunities for tangible academic achievement and to tools that are crucial for their professional development in today's globalized economy. At the same time, studying abroad gives them an invaluable opportunity for personal growth."

CFAES is already a leader at Ohio State in providing meaningful

study abroad programs and in the number of students taking part in them. On average, more than 40 percent of CFAES students participate in study abroad programs, compared to the

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university's overall rate of approximately 20 percent.

During the 2014–15 academic year, 219 CFAES students took part in 34 university-sponsored study abroad programs, traveling to a total of 26 countries. The college itself sponsors 12 programs, which are attended by both CFAES students and others from throughout Ohio State.

"It has been my vision to expand to all seven continents for quite some time and we have now achieved that goal," said Newlon, referring to the college's first-ever study abroad program to Antarctica, which will be offered starting December 2015.

The Antarctica program sets CFAES study abroad even farther apart,

continued





CFAES study abroad programs are very diverse not just geographically, but also in the wealth of experiences and learning opportunities provided to students.



as it is the only program to this desolate continent at Ohio State that is open to any major and organized as a group experience.

Geography students have in the past conducted research with a faculty member in Antarctica, but this is the first time a proper Ohio State study abroad program has been developed there.

“We are continuously seeking to improve, expand and meet the needs of our students,” Newlon said. “The college’s Study Abroad Advisory Committee has a goal of 50 percent of our students going abroad during their undergraduate career. We will also continue to fine-tune our programs to ensure that all students have access to a program that helps them meet their graduation requirements within their major or minor.”

ACCESS AND AFFORDABILITY ARE PRIORITIES

Another aspect of study abroad that CFAES works hard to improve is access and affordability. The college is proactive in helping as many students as possible

The college is proactive in helping as many students as possible pay for part of their programs through scholarships, most of which come from endowments supported by alumni, faculty and staff.

pay for part of their programs through scholarships, most of which come from endowments supported by alumni, faculty and staff. This past year, CFAES provided \$60,000 from endowed scholarships to students studying abroad.

“Providing scholarship support for study abroad is imperative to many students to even start to dream about the opportunity, let alone make it a reality,” Newlon said. “Research indicates that students with financial need gain the most when they study abroad due to their lack of access to international experiences otherwise.”

For example, Newlon said, of the 44 applicants for the winter break

program scholarship window at the college, more than half show evidence of financial need even before adding on the cost of a study abroad program.

That’s why new sources of scholarships play a crucial role in ensuring that more students have access to study abroad opportunities. In 2014, the Ohio Corn and Wheat Growers Association (OCWGA) started offering \$1,000 scholarships to students participating in CFAES’s Brazil study abroad program—that’s up to \$20,000 a year, in addition to the \$60,000 provided by the college in endowed scholarships.

Offered by CFAES for the past 17 years, the Brazil program is a six-week trip that takes place at the beginning of spring semester and is open only to members of Alpha Zeta Partners (AZP), the oldest agricultural fraternity in the United States. It focuses on agricultural economics, leadership, culture and history.

“Ohio corn and wheat farmers compete in a global grain market,” said Tadd Nicholson, executive director of OCWGA. “The AZP students study abroad in Brazil to witness first-hand the global nature of agriculture and begin to understand international markets. Coupled with public policy education and leadership development, AZP mirrors the Ohio Corn and



Wheat Growers Association in many ways. Our organization is proud to support such an important learning experience."

Jesse Eckert and Summer McCracken are two CFAES students who have benefited from the OCWGA scholarship.

"This generous scholarship was a truly phenomenal blessing for my college education," said Eckert, a culinary science major from Findlay, Ohio. "The Corn and Wheat Growers Association's scholarship, combined with the Wolfe Study Abroad Scholarship, sealed my mind when it came to making the decision to travel to Brazil. Financially the trip was going to be very difficult at first, but the graciousness of their scholarships helped tremendously."

For McCracken, an agribusiness and applied economics major from Anna, Ohio, the OCWGA scholarship literally "made a world of difference," as it allowed her to travel to Brazil and also to sign up for the upcoming Ireland (human and animal interactions) study abroad program in December.

"If I had not received this support, I would not have been able to participate in another study abroad program," said McCracken, who will be starting her junior year in the fall. "After attending the Brazil program, I have felt inspired to get out of

my comfort zone and travel more."

For both Eckert and McCracken, study abroad has marked their education at CFAES in profound ways.


"Study abroad is the most important aspect of my education thus far," Eckert, a junior, said. "I have never experienced anything quite like it. Brazilian culture opened my eyes to the way that millions of others live in today's world, and how their lives contrast with American society. In addition, I acquired a great deal of knowledge relating to agriculture, food, language and social interaction that I will never forget."

McCracken, who had never been outside of the United States before, said that traveling to Brazil opened her eyes to the world beyond the Buckeye state.

"The College of Food, Agricultural, and Environmental Sciences encourages study abroad to increase the well-roundedness of a student on both an educational and personal level," she said. "I now understand why they encourage study abroad experiences first-hand,

because they are well worth it. I have met so many friends and broadened my network because of this experience. Also, Brazil is one of the emerging leaders in international agriculture. Therefore, it is important to understand the strengths and weaknesses in their agricultural industry so we can learn from it."

Newlon said study abroad is a critical educational component that allows students such as Sorter, Eckert and McCracken to be better prepared for the demands of today's world.

"The citizens we strive to mold our alumni to become are critical thinkers who consider the impact of culture, resources and policy on their field of interest," Newlon said. "By experiencing their chosen career field in another country, they become aware of the unique perspective that we have in the United States and open their minds to a multitude of solutions when solving problems in the workplace." 

Learn more about CFAES study abroad programs at cfaes.osu.edu/studyabroad.



GENEROSITY IS ALREADY CHANGING LIVES

When Austin Mercer learned over the summer that he had been awarded the Delma L. Roush Scholarship for his senior year at Ohio State, the news overwhelmed his family.

"We had heard about it, and my mom started crying," said Mercer, a senior from Jackson County, Ohio. "The scholarship makes less stress. I was just paying for this as I went along. It helps quite a bit with everything on college. I guess you could say all the bills will be paid for this year."

Mercer attended Ohio State's Agricultural Technical Institute for two years before transferring to the Columbus campus to earn a bachelor's degree in sustainable plant systems and agronomy.

As he is wrapping up his core classes and considering post-graduation career opportunities in his field, Mercer realizes how the scholarship can change lives in the area where he grew up.

"It was ideal that they took an interest in the southern part of the state," he said.



Ohio State President Michael V. Drake, MD, is emphasizing the university's 2020 vision of access, affordability, diversity and excellence.

Providing Access and Affordability to Our Students

MATTHEW MARX

At nine recipients and counting, the Delma L. Roush Scholarship Fund is rapidly providing southeastern Ohio with greater access to a more affordable education at The Ohio State University.

The fund, created through an historic \$7 million estate gift from the late Delma Roush to The College of Food, Agricultural, and Environmental Sciences, illustrates how donor generosity changes lives and forges a brighter future.

The number of Ohio State students benefiting from the endowment fund has tripled in its second year, and even more are anticipated in future years. All recipients hail from Gallia, Jackson or Meigs counties, as per the fund's requirements.

"The scholarship for me is an absolute blessing," said Kaci Bryant, a sophomore from

Vinton, Ohio, majoring in animal bioscience. "Instead of taking out school loans, all I have to do is keep my grades up."



Kaci Bryant was among the first Roush Scholarship recipients.

After spending her summer training horses, barrel racing, giving horse-riding lessons and volunteering at a local veterinary clinic, Bryant is taking 18 credit hours this semester. She is hoping to take another Study Abroad trip in January. A trip to Nicaragua last

► The College of Food, Agricultural, and Environmental Sciences awarded philanthropic scholarships to 879 undergraduate students during Fiscal Year 2015.



New Roush scholar Briggs Shoemaker is a sophomore from Thurman, Ohio.

"I liked what I was learning about, but I realized I would have to study differently. I had to spend at least a couple hours every night working on my school work," she said. "I had to take more time and focus more on school."

Corbin is finishing her two-year degree from Ohio State's Agricultural Technical Institute.

Having the Roush scholarship has made it easier for her to pay for classes, textbooks, housing, etc., while serving as a motivator, she said.

"I like that I had to earn my grades—I learned a lot more," Corbin said. "Anatomy was a really challenging class, but I learned a lot about cattle. I thought I knew a lot, but I learned so much more. That class made me see the stuff I need to know more. Now when I come home and work with my dad, I see all the things that I needed to know. Within the first few weeks, I was going home and learning things to apply."

Next year, following an internship in the summer, she plans to transfer to the Columbus campus and complete a bachelor's degree in animal science. She has been interested in beef production and agricultural extension as careers as well.

"I have grown up on a farm, always around cattle. I like the ag industry. I can work with animals and help the ag industry at the same time," she said.

In addition to Bryant and Corbin, Paul Miller a senior from Crown City, Ohio (Food Science & Technology) is a second-year recipient.

New Roush scholars this year are Devin Coon, a freshman from Oak Hill, Ohio (Biochemical Sciences), Austin Mercer, a senior from Jackson, Ohio (Sustainable Plant Systems—Agronomy), Andrew Owens, a freshman, from Thurman, Ohio (Agricultural Systems Management), Briggs Shoemaker, a sophomore from Thurman, Ohio (Agricultural Business), Clinton Smith, a freshman from Racine, Ohio (Agricultural Business), and Hailey Wallis, a freshman, from Patriot, Ohio (Animal Sciences—Veterinary Technology). **Q**

year not only was a high point of her freshman experience, but something that she would not have been able to do without the scholarship, she said.

"We did a lot of exploring the culture and interacting with Nicaraguan families. It was so interesting. We didn't know any Spanish at all. Our host family didn't know any English," she said.

Her biggest transition from high school was learning how to study at the college level, she said.

Getting used to the college learning style was also the biggest adjustment for Bailie Jo Corbin, a sophomore majoring in Livestock Science from Gallipolis.

QUESTION FOR THE DEAN

What does CFAES do to ensure the college's programs are accessible and affordable for all students?

CFAES has a real advantage in ensuring access to an Ohio State degree pathway because of its presence on both the Columbus and Wooster campuses. Our full set of majors and minors in Columbus lead to four-year degrees that are highly sought after by employers and professional and graduate student recruiters. Our two-year Ohio State ATI program in Wooster ensures that all students interested in an Ohio State agricultural degree have the opportunity to pursue success. A student enrolling at Ohio State ATI can complete an associate degree and enter the workforce directly or can choose to move to Columbus to complete his or her four-year degree with two years of coursework already completed.

In order to assure access, we also need to attend to the affordability of a college degree. Data continue to show that college graduates have increased lifetime earning potential, but that college degree must be cost effective. Scholarship support helps us assist students and their families achieve their dream of a degree. One great example of this support is the Roush scholarship program that we have recently established, courtesy of the generosity of the late Delma Roush. Students from Ohio's Gallia, Jackson and Meigs counties now have the opportunity for full scholarship support for their studies in CFAES. This sort of support from thoughtful donors is a game-changer in the lives of potential students. **Q**



Find more information about how gifts to the College of Food, Agricultural, and Environmental Sciences can change lives at cfaes.osu.edu/development or call 614-292-0473.

She Broke Barriers and Gave Back

 MATTHEW MARX



Rohini Mulchandani recently retired from her successful gourmet chutney business, has a few mementos around the house.

Having an unusual upbringing and exhibiting uncommon initiative and resolve, Rohini Desai Mulchandani has broken barriers throughout a remarkable, inventive career and an impactful, generous life.

Unlike many young women growing up in mid-20th century India, Mulchandani had

parents who gave her the opportunity to “follow her dreams,” even if that meant “losing a child to America.” At age 19, after graduating from the University of Bombay (Mumbai) with a BS (Honors) degree in chemistry and a minor in physics, she arrived in the United States in 1964 to attend graduate school.

“Getting a doctorate was actually my father’s suggestion at first,” Mulchandani recalls. He agreed to help pay for the first year of graduate school using her “marriage money”—funds intended to pay wedding expenses of a female child. Paying for the rest of her education was left up to her.

Working as a graduate assistant, she earned her master’s degree in food science from Michigan State University in 1966. That fall, she came to The Ohio State University on another assistantship in order to earn her doctorate in dairy technology. She was a full-time student for three years, and following marriage and a five-year break, returned as a part-time student while working full-time at Ross Laboratories in Columbus, the nutritional products division of Abbott Laboratories.

In order to complete the research needed for her doctoral dissertation, she worked in the lab at Vivian Hall (now a parking lot) after hours and on weekends. It was 1975.

“At the time, women were not permitted in the building after 7 p.m.,” she said. So she had to assume responsibility for her own safety in order to receive the same 24-hour access to facilities as men had. She received her PhD in 1976.

In the early years as a food scientist



If you’d like to contribute to the Product Development teams, click on go.osu.edu/RMDPT.



Give to go.osu.edu/FSTscholars to help support a graduate or undergraduate Food Science and Technology student.



► Rohini Mulchandani was inducted into the CFAES Food Science and Technology Hall of Distinction in 2014.

at Ross, she worked on many products including Similac, Isomil and Ensure. Her doctoral research project was an extension of a Ross effort to perfect an add-on heat treatment in the processing of nutritionals to improve shelf stability.

"I entered Ross Labs as a novice food scientist and emerged years later as a product developer," she said. "The transformation was so subtle that I didn't realize it until a few years ago. The hands-on training I received at 'Ross U' was tremendous, and helped me, later on, to successfully transition into the role of 'chutney lady', where I was both product developer and business owner/operator, all wrapped in one."

In 1998 she founded Arjay Gourmet Foods, Ltd. She began the chutney business by selling gourmet condiments and seasoning at local farmer's markets, festivals and stores, and later expanded the territory, driving to numerous states east of the Mississippi River. "It was a very different life from the one I had known as a scientist. But I loved every minute of it."

Throughout her careers, Mulchandani developed and/or commercialized 27 new products for sale in the United States and abroad, authored two patents, and won

several awards both as a scientist at Ross and for her products and activities as a business owner. While she acknowledges that she accomplished this mostly through her own drive and determination, she credits her parents for their progressive parenting style in raising a daughter.

"I know that not all girls in my school or college in India were nurtured in this way," said Dr. Mulchandani, now a grandparent herself and semi-retired from the chutney business. "Also having chosen a career in the sciences, I have worked in a 'man's world' most of my life, and my strong sense of self has served me well. I am ever grateful to my parents for giving me such a healthy start in life.

"They expected nothing in return, instead instilling in me a strong sense of 'paying forward.'"

Dr. Mulchandani has since made a generous donation to endow Ohio State's Department of Food Science to partially fund activities of the Product Development teams in her name and during her lifetime, and established a legacy endowment in her parents' names to fund, posthumously, one yearly graduate assistantship. **Q**



Mulchandani's career aspirations took her across oceans to study and work in Columbus, Ohio, where she since has established a legacy of innovation and "paying forward."

► NOURISHING THE FOOD INDUSTRY



With guidance from its Industry Advisory Board, **The Wilbur A. Gould Food Industries Center (foodindustries.osu.edu)** assists food companies and entrepreneurs with processing, product development, scale-up assistance, and professional development courses, said Valente Alvarez, center director.

Established in 1982, the center has **two pilot plants and a food analysis lab**. The dairy plant, in the Parker Food Science and Technology Building, focuses on milk, cheese, yogurt, ice cream, and beverages.

The food processing plant in neighboring Howlett Hall has commercial licenses for bottling, canning, baking, and frozen foods, **allowing clients to process foods for sale.**

The facilities are **used by food companies and entrepreneurs 70 times a year**, on average.

The pilot plants also **support eight to 10 academic courses annually**, serving up to 500 students.

Beck's Hybrids Donation Furtheres Water Quality Research, Farm Science Review

 SUZANNE STEEL

A \$1 million boost from Beck's Hybrids will advance water quality research and the college's Farm Science Review. "We are supporting Field to Faucet and the Review because they are important to farmers, and farmers are important to us," said Scott Beck, president of the company.



Kevin King and Greg LaBarge

» Visit fsr.osu.edu to read more about Farm Science Review.

"Beck's Hybrids' great generosity will go far in advancing the objectives of Field to Faucet," said Bruce McPheron, Ohio State's vice president for agricultural administration and dean of CFAES. "Clearly, Beck's shares our goal of identifying best practices for nutrient management. And their support of Farm Science Review—the largest university-sponsored event of its kind in the country—will greatly enhance our outreach effort."

Nutrient stewardship is the name of the game for three research projects Greg LaBarge is launching this year, thanks to a \$500,000 gift from Beck's Hybrids for Field to Faucet.

"We're looking at nutrient stewardship from the standpoint of crop production efficiency and water quality," LaBarge said. He is a field specialist for Ohio State University Extension, the outreach arm of the College of Food, Agricultural, and Environmental Sciences.

The college launched the Field to Faucet program shortly after dangerous microcystin levels from harmful algae in Lake Erie shut down Toledo's water supply for two days in August 2014. The program's goal is to ensure safe drinking water while maintaining an economically productive agricultural sector. Phosphorus, an important nutrient for crop production, can lead to hazardous algal blooms in lakes.

One project, being done in conjunction with Kevin King, an agricultural engineer with USDA-ARS housed at Ohio State, will establish a "paired" edge of field site to monitor surface and subsurface water for nutrient runoff, LaBarge said. "Paired" means that the fields are side-by-side or near each other. In the first two years of the study, the same management practices will be applied to both fields as researchers check water coming from the fields for nutrient levels.

In the third year of the study, researchers will use a standard farming practice on one field, and apply a different practice on the paired field to see


if the change in management affects the amount or type of nutrients that leave the field.

Another study will review the nutrient efficiency of different placement of nitrogen and phosphorus in test plots. Researchers will review the impact on yield, soil test levels, fertilizer runoff and economics. The third study will look at how tile spacing—from 7.5 feet to 60 feet apart—affects water movement through soils.

Beck's also donated \$500,000 to support efforts at Ohio State's Farm Science Review, a three-day educational and trade show held each September at the Molly Caren Agricultural Center outside London, Ohio.

"We know farmers work hard to protect the environment, and we hope our support of Field to Faucet will give them more tools to protect Ohio's water resources," Beck said. "And FSR is where many in agriculture go to learn about the latest in farming."

Beck's owns property adjacent to the Review site, where the company will highlight its joint research with Extension.

"By cooperating with Ohio State on these water quality projects and supporting the mission of the Farm Science Review, we want to help farmers become more productive and successful while protecting Ohio's important natural resources," Beck said. "We expect this to be the beginning of a long partnership with the College of Food, Agricultural, and Environmental Sciences at Ohio State." 

When John and Marilyn Miller pledged \$100,000 to the Food Engineering Research Laboratory Fund, they sought a matching donor. The Haskell Company, a design, engineering and construction firm based in Jacksonville, Florida, agreed, and as a result, the Millers' \$100,000 gift became a \$200,000 gift.

Matching Donation Benefits Clean-In-Place Research

 MATTHEW MARX



» To learn more about corporate partnerships, contact the CFAES Development Office at 614-292-2957.

The donation benefits research of Clean-In-Place (CIP) processes and related activities at The Ohio State University College of Food, Agricultural, and Environmental Sciences.

"Research is the key to all of this," Miller said. "You have to have the hard data and it has to be done by a reputable organization, and universities are the place to make this happen."


Matching the Millers' donation benefits everyone, said Paul Tyler, senior vice president—Food & Beverage Division, The Haskell Company.

"The technology that comes out of the research in that lab is for the benefit of all—not just our customers, but the end result is safer, higher-quality food for consumers," Tyler said.

The Haskell Company acquired Seiberling Associates two years ago, where John Miller served as president until his retirement in 2014. Haskell matched the Millers' fund to acknowledge his accomplishments in the industry, Tyler said.

"He is a very big supporter of Ohio State. It was important for us to show the same support. The research they are doing is directly related to the business we are in. It helps our engineers and it helps our customers," Tyler said.

The Millers' gift honors the late James Harper, a longtime CFAES professor. John is a college alum and Marilyn works in the Ohio State College of Dentistry. Thus, giving to Ohio State for research purposes was an easy choice.

"Cleaning is not the most exciting subject, but it is one of the things that are absolutely crucial to running a food business," he said. "The number one use of water in a food plant is cleaning. We can reuse 90 percent of the water. ... The technology is there. You have to make it cost-effective," Miller said. 

Clean-In-Place is a cost-efficient system to clean machine parts without disassembly. The system's principles were developed by Dale A. Seiberling (BS 1950, MS 1951, Dairy Technology), who founded Seiberling Associates. Seiberling's gifts to the college include an endowment of the Dale Seiberling Professorship in Dairy and Food Engineering, held by Dennis R. Heldman, PhD. Learn more about Seiberling, who received the Ohio State University Alumni Association's Professional Achievement Award in 2014, at go.osu.edu/seiberling.

Scholarships attract and inspire students

 MATTHEW MARX

Like many students enrolled in the College of Food, Agricultural, and Environmental Sciences at The Ohio State University, Holly Huellemeier



has received financial assistance in the form of scholarship.

"Getting that scholarship from the college really motivated me academically and it made me want to come here because it made me feel wanted," said

Huellemeier, a freshman from Georgetown, Kentucky. "It motivated me to strive for academic excellence because I know that there is someone behind me."

Offering scholarships—which are supported through donations—helps the college attract top students who are selecting from competing institutions.

"College is an investment and we have a team in place to see how we can enhance that investment," said Jill Tyson, CFAES coordinator of prospective student services.

Most years, about three-fourths of students who paid their acceptance fees received scholarships, said Pat Whittington, assistant dean of student development for the college.

Before deciding to attend Ohio State, Huellemeier visited Purdue University, the University of Michigan, the University of Cincinnati, and the University of Kentucky.

"No other university pursued me in the way that Ohio State pursued me," she said. "I feel empowered."

While the Department of Food, Agricultural and Biological Engineering appealed to Huellemeier, she wasn't entirely sold on Ohio State until her second visit, when she toured the CFAES campus and met with faculty.

"It wasn't just the money, because I would have come here anyway after seeing the community here," Huellemeier said.

Huellemeier said she made the "life-changing decision" to attend Ohio State after winning the **George B. Durell Memorial Scholarship (601869)**, a renewable scholarship for students in the college. In addition, she earned an award from the **Joseph D. Blickle Educational Development Fund (600592)**, which supports students in agricultural engineering.

Benefiting from scholarships has also inspired Aaron Miller, of Amanda, who majored in agriscience education.


"That's a real selfless thing they're doing," Miller said of donors Sue and Walt Bailey, who created the **Sue and Walt Bailey Endowed Scholarship Fund (640262)**, which supports Ross County students majoring in food science and nutrition or agriscience education, and the **Sue and Walt Bailey Scholarship Fund (312983)**, which supports undergraduates in food science and nutrition.

"Eventually, when I get settled, I want to create a scholarship, too, to pay it forward," Miller said. "My life is going to be easier as a result of

the scholarship and I want to do that, too."

Miller, who received the scholarship for students in Ross County, said the award has brought plenty of stability to his family situation and has meant that he will worry less about paying off student loans.

He student taught at Southeastern High School in Chillicothe in the spring, where he taught agricultural construction, natural resources, animal science and student leadership.

More information about donations and the impact of giving to the College of Food, Agricultural, and Environmental Sciences can be found at cfaes.osu.edu/development. 



BUT FOR
OHIO
STATE



(Campaign progress through June 30, 2015)

CFAES PRIVATE SUPPORT IN FISCAL YEAR 2015

(July 1, 2014 through June 30, 2015)

FISCAL YEAR	2015	2014
Cash and Securities	\$4,032,690	\$3,337,224
Gifts-In-Kind	\$1,931,596	\$1,122,621
Pledges	\$2,467,358	\$912,469
Revocable Planned Gifts	\$2,987,977	\$6,335,617
Irrevocable Planned Gifts	\$3,000	—
Total Fundraising Activity	\$11,422,621	\$11,707,931
Privately Sponsored Research	\$11,493,738	\$8,262,118
Total Private Support	\$22,916,359	\$19,970,049

▶ GETTING MORE INVOLVED AND GIVING BACK



Organizations and individuals are finding many ways to give back and get more involved with The Ohio State University College of Food, Agricultural, and Environmental Sciences.

Among the donors is Farm Credit

Mid-America, a customer-owned agricultural lending cooperative. Gifts and pledges from Farm Credit Mid-America support college scholarships, Ohio 4-H, the Center for Cooperative, Business and Community Education and Development, and other CFAES programming.

That generosity is not lost on its beneficiaries, including Daniel Shinkle, a scholarship recipient during Fiscal Year 2015.

"It helped a tremendous amount in that it

alleviated concerns and takes the pressure off of tuition," Shinkle said.

Now a junior majoring in agribusiness and applied economics, Shinkle, of Waynesville, Ohio, is president of Alpha Gamma Sigma Fraternity and he has been involved in the Agribusiness Club.

He is thankful for the opportunities presented to him since being awarded the scholarship and thankful for donors, whose organization he had first learned about in high school. "It says a lot about Farm Credit and it says a lot about the people and their willingness to give back."

That was an easy decision for Farm Credit, regional vice president Wendy Osborn said.


"When we think of what we want to give to, we think of our customers' expectations. We are really passionate about agriculture.

"Many of our customers are alumni of the College of Food, Agricultural, and Environmental Sciences," Osborn said. "We are grate-

ful and passionate about the experience that we had and the education we received."

Partnerships like these are important because of the significant changes in the agriculture industry for the next generation, she said. "Ohio State and Farm Credit both are focused on the future. We can work together to meet those needs to help students be prepared. We have great industry knowledge and we know that the university can help prepare students to be leaders in the agriculture industry.

The college provides many different options for donating and engaging student organizations. That allows Osborn to better see the impact of Farm Credit's involvement, she said.

"When we are able to attend events and be engaged with the students and hear from the students about their experiences that they are receiving that makes us feel really proud." 

BUT FOR OHIO STATE



The *But for Ohio State* campaign, the largest fundraising endeavor in The Ohio State University's history, ends at the close of Fiscal Year 2016, which is June 30, 2016.

The campaign has a goal of \$2.5 billion for Ohio State, with

\$150 million designated to the College of Food, Agricultural, and Environmental Sciences. For our college, those funds support specific areas of scholarship, facility improvement, faculty support and investments in research. Contributions by alumni, parents and friends help us achieve that goal and meet those global challenges while securing educational opportunities for CFAES students.

Your generosity is greatly appreciated, as it paves the way to the future success of our graduates and ensures the sustainability of our community worldwide.

CAMPAIGN DONATIONS ARE ACCEPTED IN THE FOLLOWING WAYS:

- **Annual Gifts** – Create a named current use fund. Or contribute to an existing fund, which will provide immediate funding for scholarships, academic and research programs.
- **Special Gifts** – Demonstrate commitment to supporting our mission by establishing permanent endowed funds for scholarships, research, equipment, fellowships, faculty positions or a variety of other areas.
- **Planned Gifts** – Contribute to the future of the college through a planned gift such as a bequest or charitable trust.
- **Corporate Matching Gifts** – Your contribution to CFAES might qualify for a matching gift from your employer, your spouse's employer, or your previous employer if you are retired.
- **Gifts-In-Kind** – Help the college create the best possible educational environment for our students, support faculty teaching/research or help maintain facilities with a gift-in-kind of assets or materials.

See cfaes.osu.edu/development/areassupport/ways-give for more information about each of these ways to give. Contact the CFAES Development Office at 614-292-0473 or delisio.24@osu.edu.



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» To read more about what it's like to be a student in our college, visit cfaes.osu.edu/students.

Positive Jobs Report of Recent CFAES Grads Attracts New Students to the College

✍️ TRACY TURNER

The success of recent graduates of the College of Food, Agricultural, and Environmental Sciences at The Ohio State University is attracting more students who want to enroll in the college, school officials said.



The career outcome rate of 92 percent of recent CFAES graduates reporting either having a job or being enrolled in an advanced degree program within six months of graduation, is a positive draw for new CFAES students who want to earn a degree from the college, said Jill Tyson, CFAES coordinator of prospective student services.

As of May 25, admissions applications for the college have increased by 5 percent over last year, with 1,252 students who have applied to CFAES this year, compared to the 1,192 students who applied last year, she said.

As of May 25, 555 students have been admitted to the college, an increase of 4.1 percent over the previous year when 533 students were admitted, Tyson said.

"Our career outcome rates speak volumes about the value of an Ohio State degree," she said. "The opportunities our graduates have in terms of promotions, earnings and successful careers following graduation is a huge draw for new students.

"The opportunities that our college offers students, including study abroad, research, internships, alumni connections and networking, a diverse student population and diverse faculty—in addition to being located in a great city, is also a part of why students choose to come to Ohio State. Prospective students are also attracted to the scholarship opportunities we can offer our students, thanks to the support of our alumni and donors."

Interest in attending The Ohio State University Agricultural Technical Institute (ATI), the associate's degree-granting school of the college, is also on the rise, Tyson said.

For the 2015–2016 academic year, the number of admitted students increased 5.1 percent to 556 compared to 529 students admitted the previous year, she said. The number of students who applied for ATI has also increased 4.2 percent, to 641, up from 615 students who applied the previous year. **O**

STATISTICS ON RECENT CFAES GRADS



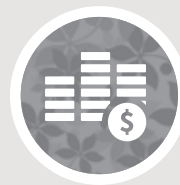
During the 2014–15 academic year, **549 CFAES students** were awarded degrees.



Some 279 different companies and organizations in Ohio, in 25 other states and three other countries **hired CFAES graduates**.



Ninety-two percent of recent CFAES graduates report either **having a job or being enrolled in an advanced degree program** within six months of graduation.



CFAES graduates indicated an **average starting salary of \$41,261**.



Those graduates seeking advanced degrees will attend 16 different universities.



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Enriching Experiences

✍ MARTHA FILIPIC

Ohio 4-H provides wealth of opportunities for financing college

Kalyn Swihart of Perrysburg is sitting pretty for her first year of college. She has been awarded \$16,000 in scholarships and grants, and gives credit for her good fortune to her lifelong experience with Ohio 4-H.

And “lifelong” is no exaggeration: When Swihart’s older sister became a 4-H Cloverbud, her mother became a 4-H advisor. “I started going to meetings when I was a month old,” Swihart said. “I feel like I was born into 4-H.”

Swihart, who will study agricultural communications in the College of Food, Agricultural, and Environmental Sciences, is a 2015 recipient of the Paul and Ethel Smith 4-H Scholarship, which awards seven \$2,000 scholarships annually. It is one of many scholarships that Ohio 4-H offers (see go.osu.edu/4Hschol), each with different criteria, said Allen Auck, 4-H program manager. Ohio 4-H is the youth development program of Ohio State University Extension, the college’s outreach arm.

Swihart took many projects as a 4-H member: sewing, cooking, sheep, pigs and leadership. And although she never took a horse project, she received a \$1,000 scholarship from the Ohio Horsemen’s Benevolent and Protective Association.

“I was on the website and saw any 4-H member was eligible, so I applied,” Swihart said. On all scholarship applications, she used her 4-H experiences as the basis for the personal statements that were required.

Swihart encourages 4-H members to




Kalyn Swihart earned \$16,000 in scholarships and grants for her first year of college: “I was really involved in our county 4-H program, but wasn’t really aware of how much scholarship money my 4-H experience would help me earn.”

apply for as many scholarships as possible, and not to wait until the last minute. Although it varied, it typically took her about two hours to complete an application.

Auck agrees, saying it’s usually apparent which students spend time on applications. In a typical year, 700–800 students apply for Ohio 4-H scholarships, he said.

The effort is worthwhile, Swihart said.

“I’m really thankful,” she said. “Without these scholarships, I would have had to take out really large loans and be in debt for probably the rest of my life.”

Auck said the 4-H scholarship program is a great opportunity for the state’s 4-H members. “It’s really doing something for their futures.” 



Ohio 4-H offered 41 college scholarships in 2015, providing students with a total of \$53,960 in aid. See go.osu.edu/4Hscholwins.

For details on other available scholarships, see cfaes.osu.edu/students/money-matters and click on “College Scholarships”.

» Do you know a high school student who might be interested in the AGCO Advantage Program? Contact your local AGCO dealer, who you can find at agcocorp.com.

AGCO–Ohio State ATI Partnership Readies Next Generation of Technicians

FRANCES WHITED

The retirement of baby boomers is creating a ripple effect that cuts across all industries, with companies expecting to lose 40 to 60 percent of their supervisory and technical workforce in the next five to 10 years.

AGCO, a global leader in the design, manufacturing and distribution of agricultural equipment, has established a partnership with Ohio State ATI and Ohio AGCO dealers to address the need for agricultural machinery technicians.

The AGCO Advantage program focuses on recruiting, training, hiring and retaining service technicians. AGCO partners with eight colleges offering a two-year applied science degree, and ATI's power equipment program is a natural fit.

Russ Goertzen, manager of the AGCO Advantage program, said, "Our dealers know which programs they want to partner with," because they have hired graduates or serve on advisory boards.

"We teach our students how to continue learning, and that's one of the reasons they make successful employees who can move into positions of increasing responsibility," said John Arnold, coordinator of ATI's power equipment program.

AGCO Advantage students are sponsored by participating dealers. In return for dealership support, the students commit to interning at the dealership and working full-time after graduation.

Through the partnership, ATI will have access to state-of-the-art equipment and components. "One example is Tier 4 diesel engines," Arnold explained. "The engines have fuel injectors that operate at 30,000 PSI. That's higher pressure than the systems that use water pressure to cut steel. It's really pretty high tech stuff."

Ohio State ATI will welcome its first enrollees in the AGCO Advantage Program this fall, sponsored by Ohio Ag Equipment, a division of Ohio CAT with four dealerships located around the state. **D**



Above (L-R): Russ Goertzen (AGCO), John Arnold (Ohio State ATI), students Kyle Spurgeon and Taylor Raber, Mark Brungardt (AGCO), Paul Lee (Ohio State ATI), Kevin Wilfong (Ohio Ag Equipment) and Matt Mole (Ohio Ag Equipment) discuss how the Tier 4 diesel engine donated by AGCO will be used in the power equipment program.

Left: Two students are enrolled in Ohio State ATI's power equipment program through AGCO Advantage this year: Kyle Spurgeon of Deshler, Ohio (left) and Taylor Raber of Millersburg, Ohio.

Ohio State ATI Expands into Online Education

MAURICIO ESPINOZA

In the fall of 2014, Deana Namuth-Covert was hired as professor and director of online education and outreach for Ohio State ATI and the College of Food, Agricultural, and Environmental Sciences.

Her goal is to develop an online education program that would expand The Ohio State University's land-grant mission by engaging students where they are, beyond the traditional classroom and breaking down barriers between institutions.

"This is a way to expand the reach and mission of Ohio State ATI and the college, meeting the needs of students who are space and time bound, increasing enrollment offsite without the need to accommodate more students on campus and build new facilities, and addressing the needs of non-credit education through OSU Extension," Namuth-Covert said.

The nascent program's first crop will be harvested this autumn semester through a partnership with Northwest State Community College (NSCC), located in the small Ohio farming community of Archbold.

Through this arrangement, Ohio State ATI will deliver crops and soil courses to NSCC students via the Adobe Connect platform, with students at both institutions taking the same course simultaneously.

"The local agricultural community asked NSCC to develop a degree program that covers crops, agronomy and also business," said Jeanne Osborne, assistant director for academic affairs at Ohio State ATI. "They can cover the business side, but had dropped agriculture courses in the past."

So Ohio State ATI worked with NSCC to create an associate of technical studies degree, which will initially include 21 credit hours (about a third of the program) being offered by Ohio State ATI instructors. In the next phase of the program, Osborne said, the goal is to offer additional coursework so that students will graduate with degrees from both institutions.

"This is a great partnership because it enhances Ohio State's



statewide mission by reaching out to an agriculturally rich part of the state that needs our expertise," Osborne said.

Namuth-Covert said this type of educational arrangement is particularly beneficial to students who are currently working in the industry, as they can apply what they are learning in the classroom right away in their jobs. "I'm really excited about this," she said. **O**

The online education program's ultimate goal, Namuth-Covert said, is for Ohio State to be known as a global land-grant university, where students can learn alongside others from various parts of the state, the country and potentially around the world—expanding their educational opportunities and their worldview without having to travel.

►► For more news and information about the Ohio Agricultural Research and Development Center, visit oardc.osu.edu.



► STEVE SLACK RETIRES

OARDC Director Steve Slack has announced he will retire at the end of 2015, following 16 years at the helm of the nation's largest university agbiosciences research institution.

"After more than 40 years of faculty and administrative service, the time is right to transition to the next phase of my life," said Slack, who plans to spend more time traveling, visiting his two grandchildren, and golfing.

"There are few experiment station directors of the tenure of Steve Slack who have consistently provided strong visionary leadership," said Ian Maw, vice president for Food, Agriculture and Natural Resources at the Association of Public and Land-Grant Universities. "He is a man of few words, but when he speaks folks do listen. He will be missed by many of us." ◻

► MAPPING OUT EXTENSION'S FUTURE

Ohio State University Extension is preparing itself to serve the Ohio of 2035. "Conversations on the Future of Extension" began in spring 2014 with discussions to identify the most challenging trends and issues Ohioans will face in 20 years. People from inside and outside the organization joined in the discussion, which resulted in 17 categories: Alignment of employee skills with job needs; Climate change; Crime and terrorism; Economic and employment growth; Educational access, attainment and cost; Energy sources, demands and cost; Environmental and natural resources management; Food production, safety and security; Health and wellness; Healthcare; Infrastructure; Land use and geographic population distribution; Population growth, age distribution, immigration and diversity; Public services and finance; Social skills, competencies and relationships across community and family environments; Social, economic and political differences; Technology change and adaptation. The effort has now shifted to the visioning phase and how to best leverage the strengths of the university and Extension to address those issues, said Greg Davis, interim director. In the end, the effort will inform and impact program priorities, delivery systems, financial models and staffing. To join in the conversation or learn more: go.osu.edu/extensionfuture. ◻



► CFAES FACILITY PLANNING UNDERWAY

Conversations and master planning are underway looking at CFAES's facilities as a whole. Included are such topics as building renovations on Ohio State's Midwest

(ag) campus, options for Wooster's livestock facilities, and possibilities for Columbus's Waterman and Don Scott farms. Further conversations, fact finding and data collection are still to come, CFAES Dean Bruce McPherson said in a June 5 webinar to faculty and staff (go.osu.edu/June5CFAESwebinar). "We have to be thinking about today's needs," he said about the planning process. "But we have to be thinking even more about what tomorrow's needs will be." Learn more at CFAES's Facilities and Planning web page, go.osu.edu/CFAESplanning. ◻

► DEAN DETAILS CHANGES, LOOKS TO FUTURE IN SPECIAL WEBINAR

"Change leads us forward," CFAES Dean Bruce McPherson said in a June 5 webinar to faculty and staff that laid out a number of leadership changes and plans for the college's future. Here are a few of the topics he covered:

- **The June 30 retirement of Keith Smith as OSU Extension director;** the appointment of Greg Davis, assistant director of Extension's Community Development program, as Smith's interim replacement; the search for Extension's new permanent director (go.osu.edu/ExtensionDirectorSearch); and the ongoing Conversations on the Future of Extension (go.osu.edu/ExtensionConversations).
- **The coming Dec. 31 retirement of Steve Slack as OARDC director** and the expansion of three refocused positions: associate vice president of agricultural administration and director of Wooster campus operations, to integrate and manage the physical assets of OARDC and Ohio State ATI, filled by OARDC Associate Director Dave Benfield; assistant director of Wooster campus operations, filled by Ohio State ATI Assistant Director Rhonda Billman; and a new Columbus-based associate dean for research and graduate education, the search for whom will start soon.
- **The filling of new, broader, college-wide positions** involving farm operations, facilities planning, strategic initiatives, information technology, diversity and inclusion, marketing and communications, and online learning and distance education. Like the previously mentioned Wooster and research-leader changes, these, too, are part of the college's goal of taking a more centralized approach to operations.
- **Ambitious additions to the faculty ranks** within just the past nine months, including 12 academic-unit faculty and three Extension faculty; four active faculty offers; and multiple ongoing searches, most notably for 15 new faculty targeting Ohio State's Discovery Themes.

University President Michael V. Drake's March 31 investiture speech "hit very close to home for us" in talking about food security, McPherson said in the webinar. "That's something we've been working on for a number of years in a variety of venues around the state. It's something we're very focused on as we look to the future," he said. "There's a lot of congruence between the trajectory that the president has set for the university and the path that we're taking with regard to the college's priorities." Get details on these and other topics by watching the full webinar at go.osu.edu/June5CFAESwebinar. Also see "CFAES facility planning underway" in this issue. **O**

► DEAN'S SPRING DINNER MAKES THREE-POINT LANDING AT DON SCOTT FIELD



The Ohio State University Airport at Don Scott Field served as a scenic backdrop for the 2015 Dean's Spring Dinner. Nearly 200 guests filled a decorated airport hangar to celebrate the college's non-scholarship donors, whose support

benefits faculty, teaching, research, operations and program funds. A panel discussion and short video (go.osu.edu/faesvideo) focused on the college's nontraditional spaces for learning, research and outreach. Included on the panel were Bruce McPherson, Ohio State's vice president for agricultural administration and CFAES dean; Mike Townsley, president of Bob Evans Farms Food Products Division; Dr. Henry Zerby, chair and professor, Department of Animal Sciences; Dr. Lauren Pintor, assistant professor, School of Environment and Natural Resources; Laura Lindsey, assistant professor, Department of Horticulture and Crop Science; and Benjamin Wenner, Doctoral Candidate, Interdisciplinary PhD Program in Nutrition (OSUN). Recent graduate Caitlyn Black served as moderator. A college the size of CFAES with its many specializations requires a variety of facilities to meet its needs. Consider giving to the CFAES New Facilities & Renovations Fund at go.osu.edu/cfaesbuild. **O**

► ALUMNI AWARDS SAVE-THE-DATE: MARCH 5, 2016

The CFAES Alumni Awards event is March 5, 2016, at the Ohio Union. The annual luncheon celebrates those individuals who have made significant contributions to The Ohio State University, the College



of Food, Agricultural, and Environmental Sciences or their fields. Both Ohio State alumni and non-alumni are honored for their support, research, talents or leadership in the following categories: **Meritorious Award**—given to those who have been singularly significant in the college's quest for excellence; **Distinguished Alumni Award**—lauds those

who have brought distinction through their participation, commitment and leadership; **International Alumni Award**—presented to outstanding agriculture alumni worldwide who represent, support and promote Ohio State and CFAES; **Young Professional Achievement Award**—recognizes alumni for early career accomplishments; **Outstanding Service to the Society Award**—recognizes supporters of the CFAES Alumni Society and its programs. **O**



THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

Continuum

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The College of Food, Agricultural, and Environmental Sciences and its academic and research departments including Ohio Agricultural Research and Development Center (OARDC), Agricultural Technical Institute (ATI) and Ohio State University Extension embraces human diversity and is committed to ensuring that all research and related educational programs are available to clientele on a nondiscriminatory basis without regard to age, ancestry, color, disability, gender identity or expression, genetic information, HIV/AIDS status, military status, national origin, race, religion, sex, sexual orientation, or veteran status. This statement is in accordance with United States Civil Rights Laws and the USDA.

Bruce McPherson, Vice President for Agricultural Administration and Dean

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