STUDY ABROAD IN COSTA RICA - PURDUE ENTOMOLOGY COURSE

In May 2016, Purdue Entomology’s Jennifer Zaspel and Gino Nearns will lead a two-week international course to study tropical biodiversity and conservation in Costa Rica. This new study abroad course was designed to allow students to conduct field studies in lowland rainforest and cloud forests ecosystems, gaining valuable field experience, and a firsthand knowledge of the rich flora and fauna of this remarkable Central American country. Students will participate in all aspects of field sampling, including collection, preparation, and documentation of specimens. Required field activities will be physically demanding, often in wet and muddy conditions, and include both day and night hikes in the forest. In addition to field work, students will also have the opportunity to enjoy local activities such as whitewater rafting, forest canopy walks, zipline adventures, and a visit to the Pacific Ocean. Students will stay at two institutions leading the way in modern conservation practices: “Reserva Ecológica Bijagual” (Bijagual Ecological Reserve) and “Reserva Biológica Bosque Nuboso de Monteverde” (Monteverde Cloud Forest Biological Reserve).

The Bijagual Ecological Reserve was established in 2001 and is managed by a Costa Rican and U.S. non-profit organization which focuses on conservation and scientific research. This 290 hectare rainforest is located in the lowlands of northeastern Costa Rica of the Sarapiquí region. Approximately 210 hectares of the forest were once selectively logged. The remaining 80 hectares are secondary growth and abandoned pasture, of which approximately 28 hectares have been

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reforested, 50 hectares are being left to regenerate naturally and two hectares are buildings with maintained green areas. The elevation of the reserve ranges from 300–400 meters above sea level. The topography is irregular, resulting in micro watersheds that drain into two large rivers - the Río Bijagual and the Río Tirimbina. The temperature ranges from 15–40°C with approximately 5500 mm of rainfall annually. For more information, please visit: http://tinyurl.com/z3uzlrw

The Monteverde Cloud Forest Biological Reserve is a privately owned protected area of nearly 5,000 hectares. Since 1973, the Reserve has been a living laboratory for hundreds of scientific researches, as well as a destination for thousands of foreign visitors who support ecotourism in the Monteverde zone. The Reserve spans the Tilarán Mountain Range, on the Continental Divide in Costa Rica. The Reserve is home to many mammals (for example jaguars, pumas, ocelots, margays, peccaries, and monkeys) and over 500 bird species, including the spectacular resplendent quetzal. The insect fauna is also very diverse and new species are currently being described by Purdue researchers. Visit here for more: http://tinyurl.com/ze6d44a

The course, titled “Biodiversity and Conservation in the Tropics” (ENTM 295), will be held during May semester 2016 (May 16–30, 2016). Course fees are estimated to be approximately $2,500, which includes all expenses: transportation, lodging, activities, and meals. Students on their first study abroad at Purdue are eligible for a $1,000 scholarship to offset the cost of the course. Additional details are available at: http://tinyurl.com/jigbam4

FROM THE HEAD BUG

As mentioned in the last Newsletter, I will be stepping down as department head at the end of this academic year. A national search is currently underway to find my replacement. After 16 years as head, it is time to move on. I’ve enjoyed my time as head, and look forward to continuing to contribute to the department in different ways. Purdue entomology has always been engaged in meaningful teaching, extension, and research, but perhaps most rewarding has been the people that make up this community – students who are perennially young and curious, staff who make the department run smoothly and efficiently, and faculty who provide leadership in many different ways. A majority of the faculty has been hired since my arrival with similar changes in our staff. Student numbers dramatically increased, although our undergraduate enrollment did slide when the credit hours needed to graduate dropped from 130 to 120, but we are vigorously working to reverse that trend. I am particularly proud of the many accomplishments by members of our community. Our undergraduate program continues to be led by award winning teachers, and we now have a new graduate curriculum for our PhD students, and soon for MS students. Extension has long been a strength of the department and college with expertise in all the major commodities important to Indiana, and exceptional capacities in urban systems and urban landscapes; we continue to add new specialists (e.g., turfgrass, beekeeping) with more proposed. Research strength in insect/nematode plant interactions and pest management continue with new capacity added in arthropod molecular biology and insect genomics, vector biology, and environmental and evolutionary entomology. Internationally, we have expanded efforts in Africa, Central America and Central Asia. Of course, all of these activities require infrastructure. I feel fortunate to work with high quality, dedicated staff. We operate on a tight budget that has remained more or less flat over the years, but I never had to let anyone go because of budget cuts. I raised more than 5 million dollars in new endowments and scholarships that increased student support and will ultimately create three endowed professorships. While space continues to be a challenge, I leveraged several million dollars to renovate and upgrade many labs. We successfully navigated every internal annual review and three external reviews with generally positive outcomes, but always room for improvement. We have a new strategic plan and critical faculty positions identified. My plans are to find my place as a faculty member working on invasive species, teaching biological control, and engaging in international agricultural development. Details are still being determined, but I expect to step aside and give the next department head the space he or she needs, but be ready to help if requested. Purdue entomology is a great institution with a bright future, and I plan to be part of it.

- Steve Yaninek

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Rich grew up in Sacramento, CA, where he graduated in 1969 with a Bachelor of Science degree from California State University-Sacramento with a major in Biology and minor in Chemistry.

Rich enlisted with the United States Marine Corps, serving as a 1st Lieutenant during the Vietnam conflict. He and his wife Gracie were united in marriage on August 31, 1974.

Rich entered into a Ph.D. program at the University of California-Davis and earned his doctorate in 1980. His Ph.D. in Entomology focused on insect physiology and biochemistry of the American cockroach. He was a postdoctoral associate in the department of Entomology at Purdue University until 1982 where he investigated the effects of insecticidal plant proteins on tobacco hornworm.

Rich joined the Agricultural Research Service within the United States Department of Agriculture in 1982, first as a Research Associate and then as a Research Entomologist and also became an adjunct Professor in the Purdue Department of Entomology, West Lafayette, IN.

Rich's work throughout his career addressed a variety of topics. In his early career, his work on English grain aphid characterized the feeding behavior and mechanisms for transmitting Barley Yellow Dwarf Virus to wheat. Rich was one of the pioneers who investigated the toxicity of individual defense proteins on insect development using artificial diet. Although Rich had many collaborators throughout his career with whom he investigated biochemical processes of several different insects, the main focus of his research dealt with interactions between wheat and its major insect pest, the Hessian fly. He was the first to use biochemical techniques to characterize digestive enzymes in the gut of Hessian fly larvae and molecular genetics to identify and annotate key genes in the Hessian fly genome involved in processes such as digestion, detoxification, and signal transduction. He demonstrated that the larval midgut is the target for plant defenses against the insect. A major contribution of his work showed that virulent larvae can rescue avirulent larvae residing on the same wheat plant. Rich was also integral in revealing larval salivary components that damage plants or induce plant defenses.

As a colleague, Rich will be remembered for the great dedication and scientific rigor with which he approached all his work. He was always generous and thoughtful when approached for help with a research problem, and he took great satisfaction from supporting the wheat breeding community's efforts to combat insect pests.

Rich had diverse interests outside of work. He enjoyed many outdoor activities including fishing, hunting deer and birds, cross-country skiing and backpacking with his son, John, and his Springer Spaniels. He had a love of gardening and also culturing of orchids, an interest he shared with his father. Rich will be greatly missed by his many friends and colleagues, his wife Gracie, son John, daughter-in-law Catherine and two young grandsons, Jack and Max.

A memorial scholarship fund has been established in Rich’s name through the Department of Entomology at Purdue University. In lieu of flowers, monetary donations may be made to the Purdue Foundation noting that it is for the “Richard H. Shukle Memorial Scholarship”. The Department address is: 901 W. State St., West Lafayette, IN 47907-2089.
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helped Sierra Leone farmers protect their crops during the Ebola outbreaks in their country and continues to educate villages on the use of the PICS bags to store their cowpeas. For more information for the most recent PICS project please visit: http://tinyurl.com/j2l68b2

DEPARTMENT AWARDS

This year the 2015 ESA annual meeting was combined with those of ASA, CSSA and SSSA. This year’s convention highlighted 20 Premier Presentations.

Postdoctoral Research Associate Josh Gibson, from Greg Hunt’s bee lab, was selected to deliver one of these presentations! To see the ESA write-up, visit: http://tinyurl.com/j4kvqgy and then find Josh listed under the “Physiology, Biochemistry and Toxicology” category. Congratulations, Josh!!

Mahsa Fardisi, Post Doctoral Research Associate, was awarded the People’s Choice, PhD thesis presentation award at this years ESA meeting in Minneapolis in November.

Entomology faculty and staff have named the honorees for our departmental awards to be presented in the Spring. Congratulations to the following individuals:

- Richard L. Kohls Outstanding Undergraduate Teacher: Dr. Trevor Stamper
- David C. Pfendler Outstanding Undergraduate Counselor: Dr. Jonathan Neal
- Outstanding Service to Students: Cara Fila
- Outstanding Graduate Educator: Dr. Jeffrey Holland

Krispn Given, Apiculture technician, was named the Outstanding Service Award recipient for 2015. The Awards Reception was held on December 16th. In addition to testimonials from members of entomology, department head Steve Yaninek presented Krispn with an engraved plaque/clock. He also received a monetary award for this recognition.

Over five hundred beekeepers and scientists attended the 14th annual Heartland Apicultural Society (HAS) meeting in beautiful Albion, Michigan this year. This three-day event enjoyed record attendance!

Greg Hunt and Krispn Given from the Purdue bee lab received an award given by the Heartland Honey Bee Breeders Cooperative (HBBBC) at the HAS meeting. The award is for distinguishing themselves in the world of apiculture through the development of bees that chew mites, and instrumental insemination.

FIRST ANNUAL BUPRESTID/ CERAMBYCID TRAINING WORKSHOP

On July 15th and 16th, our department hosted the First Annual Buprestid/ Cerambycid Training Workshop for insect surveyors (such as CAPS and USDA) to help them perform their work more efficiently and effectively. Twenty-three trainees from as far away as California and Oregon were taught improved trapping techniques, given identification keys, and information. Funded by the Farm Bill, the workshop will move around the country, being offered in a different state each year so that all who are interested in learning more about these wood borers have the opportunity to attend. The 2016 training will be in Florida.

Key organizers for the workshop were Gino Nearns, PERC Collections Manager and Bobby Brown, USDA-APHIS Insect Identifier. When asked to pull together this workshop, they planned the entire event, including the venue, agenda and training materials. Larry Bledsoe, current Indiana CAPS Survey Coordinator, also attended this workshop.

DEPARTING STAFF

Peggy Hoover retired from her position with CERIS after nearly 20 years. We wish her a very happy retirement!!
The undergraduate Molecular Agriculture Summer Institute (MASI) completed its second year. Eight students worked with faculty members to complete research projects and learned the importance of communicating their research to colleagues, industry representatives, grant-gifting organizations, and the general public. In July the students presented their research projects to employees of Dow AgroSciences at the Indianapolis facility. They also toured the Purdue Meigs Farm.

Graduate student, Julia Snyder, won the Alexander B. Klots Award for Best Student Poster at the Annual Meeting of the Lepidopterists’ Society. Julia presented the results from her Molecular Agriculture Summer Institutes (MASI) undergraduate student internship last summer.

OVEA AWARDS

Eleven students and two faculty attended the 2015 Ohio Valley Entomological Association (OVEA) meeting in Lexington, Kentucky on Friday, October 23rd. A total of 35 students participated in BS, MS and PhD oral presentation competitions representing Purdue University, University of Kentucky, Ohio State University, University of Cincinnati and Shawnee State University.

Presentations were characteristically at a very high level, and our students met the mark. The following individuals ended up among the top three finishers:

(Note: Kabita Kharel, the 2016 OVEA President, was busy with official business when the group photo was taken.)

Bachelors
• 1st place – Hannah Quellhorst (Ginzel) - Chemical signaling in the peach bark beetle, Phloetribus liminaris (Coleoptera: Curculionidae: Scolytinae)
• 3rd place - Hannah Stewart (Scharf) - Symbiotic effects on termite (Reticulitermes flavipes) caste determination

Masters
• 3rd place – Alli Duffy (Richmond) - Hunting billbug Sphenophorus venatus adult feeding preference and chemically-mediated behavior

PhD
• 2nd place – Brittany Peterson (Scharf) - Pathogen-specific immune responses from symbionts in a subterranean termite, Reticulitermes flavipes (Kollar)

Kudos to everyone who presented, and congratulations to all the award winners!

ICE 2016

The Entomological Society of America selected our team to participate in the student debate competition for the International Congress of Entomology (ICE) to be held September 15-20, 2016 in Orlando, Florida. The members of the Purdue Debate is as follows:

Faculty Advisor: Dr. Peter E. Dunn
Team Members:
Bridget L. Blood
Julius Eason
Gabriel P. Hughes
Sara Stack
Tyler J. Stewart

Five students were recognized for their efforts at the Entomological Society of America annual meeting in Minneapolis in November.

• Garrett Price, MS student – President’s Prize Runner Up in the student poster competition, Plant-Insect Interactions section
• Gabriel Hughes, PhD student – President’s Prize Runner Up in the 10-minute paper session, Physiology, Biochemistry and Toxicology section
• Crystal Purcell, MS student – President’s Prize Runner Up in the undergraduate poster competition
• Aaron Ashbrook, MS student – President’s Prize Runner Up in the student poster competition, Medical, Urban and Veterinary Entomology section
• Brittany Peterson, PhD student was presented with the Monsanto Student Travel Award at this year’s ESA convention.
NEW GRAD STUDENTS

New graduate students (Spring '15, Summer '15 and Fall '15) were introduced to the Department at the picnic on September 2.

Pictured above, they are (back row) Gareth Powell, Mat Dittmann, Garrett Price, and Julius Eason; (front row) Julia Snyder, Crystal Purcell and Sara Stack. Former MS student Aaron Myers is also continuing as a new PhD student.

ANNUAL AWARDS

Students shared in the Annual Awards Celebration held on December 16. Each of these students were recognized for their contributions to the department and received a certificate and a monetary award as well.

Elizabeth Rowen received the Outstanding MS Student award.

Julie Speelman was selected for the Outstanding Service by a Student award.

Gabriel Hughes received the Outstanding PhD Student award.

ENTOMOLOGY OUTREACH

BUTTERFLY ENCOUNTER

Over 50 butterfly enthusiasts gathered on Saturday, July 18th at the Evo-nik Wildlife Habitat Area to learn about butterflies and participate in our annual census. This year 316 individuals from 27 species of butterflies and skippers were counted. No new species were counted. Complete counts from 2015 and all previous years are posted at Butterfly Counts. http://tinyurl.com/jsgahte

INSECTAGANZA

Stewart Center was filled with the sounds of excited students while the rest of the campus was away on fall break. On October 13th the Department of Entomology hosted 451 fifth-grade students, 18 teachers, and 20 chaperones for a day of insect science.

“Science on Six Legs—An Insectaganza of Education” is in its eleventh year of connecting middle school children to hands-on science. The free event included grasshopper dissections, information on insect biology, and an insect petting zoo. Insectaganza also exposes future scientists to a higher education setting.

Most of the program is conducted by Purdue undergraduate students enrolled in Dr. Jon Neal's Entomology 10500 course, “Insects: Friend or Foe.” The students design presentations on biomaterials (silk, shellac, honey, and other insect products), learn to wrangle tarantulas and caterpillars, and designed a game to quiz students on their insect knowledge in a Family-Feud type format.

Purdue students in the 10500 class learn communication and presentation skills, and also get a chance to observe first hand how educational level and behavior vary between individual students, and how different teachers manage their classes.

Department of Entomology faculty, staff, and students also gave up part of their Fall break to volunteer and lend their expertise to the program. Teachers surveyed said that the excitement level was high, and students heard from their siblings that this was a day not to be missed!
When I began my undergraduate studies at Maryville College in East Tennessee (to a native of this diverse state, distinguishing your geographic origin is important!), I never imagined that I would eventually be in an entomology doctoral program. Initially, I was toying with the idea of either medical school, or medical illustration. I loved my coursework, but classes in ecology began to open my mind to other possibilities. The opportunity to complete undergraduate research in Costa Rican coffee agroforestry systems eventually led me to live there for several years. I had some amazing, unforgettable experiences in Costa Rica. Among the most memorable was working for EARTH University as a field interpreter and logistics coordinator for travel groups. Another was rigorous training in competitive road cycling. There is no better way to get to know a place and its people than by bicycle. The immersion in the country’s natural beauty and environmental consciousness was life changing, and it catalyzed me to want to marry my interest in ecology with a desire to make a positive difference in the natural environment.

The Ecological Sciences and Engineering Interdisciplinary Graduate Program (ESE) has been the perfect platform for my graduate studies, as has Dr. Jeff Holland’s landscape ecology and biodiversity lab. My research in the Holland lab uses functional diversity (or diversity of species’ ecological roles) as an indicator of change in hardwood forest beetle communities along a gradient of disturbance. To do this, I am using cerambycid and predator beetle abundance data collected across Indiana, numerous traits that best define what these species do in hardwood forests, and data that quantify forest fragmentation. These data are also being used to test which ecological stability mechanisms, density compensation, response diversity, and cross-scale resilience are buffering these communities from disturbance. Another portion of my research is examining how forest fragmentation impacts a multi-trophic system consisting of cerambycid beetles and their beetle and avian predators. Insectivore birds are an important natural enemy of these beetles, so determining how forest fragmentation affects this interaction expands our knowledge of the system. Birds have visual sensitivities that differ from a human’s, so I have collected numerous data that allow humans to make inferences on how apparent these beetles are to their avian predators against multiple forest backgrounds. These data, along with bird and beetle abundance data, are being used to investigate the efficacy of bird predation on beetles in different landscape contexts. Overall, these methods will give a more complete picture of how habitat fragmentation impacts a multi-trophic community along with much needed insight on how ecosystems respond to perturbations.

Additional opportunities include presenting my research at national conferences, volunteering for the Department and several bioblitz activities, and being the teaching assistant for an undergraduate genetics course for multiple semesters. I am so grateful for all of the experience and knowledge I have gained through Dr. Holland’s mentorship, along with the support and friendship from lab members and other students. My committee, Dr. Linda Lee, the ESE program head, and the professors who have shared their wisdom with me have all been invaluable. Overall, I am fortunate for the research and learning opportunities through the ESE and Entomology graduate programs.
Robert Anderson (MS '66, PhD '68) shared the following passage:

Robert Anderson (Purdue, 1963-68) is 74 yrs old and with mind and memory capable of appreciating, understanding and using the modern mysteries of smartphones and DNA. After nearly 40 years and challenging some 10,000 university students (retired in 2007), he makes daily postings of products sold on-line as part of his decades-old Cricket Science operations. “I have fond memories of the Purdue arena back in the ‘60s,” he writes, “the bull-pen, creaky 3rd-level floor, fire escape and hideaways of Ag Hall; the great professors, colleagues and students of the period; and 910 W. State Street just across the street where Iroomed during the time with Jerry Wood, Don Ehrman, Wally Albertin, Ed Saugstad and later with my wife Marianne (PhD, Purdue—married April 1, ‘67) of nearly 50 years before moving to Idaho, a State much too conservative for my liberal preferences. Marianne and I just returned from a 2-wk visit to Scotland, a country with significant landscape, people and history, where I was introduced to the free-thinking 18th-century philosopher David Hume and a delightful old treatise written in 1834 characterizing the hundreds of species of beetles living in the vicinity of Edinburgh, using the “new” system Linnaeus. I continue to be impressed by the artists, engravers and hand-colorists of the 1700 & 1800s who so accurately and beautifully depicted beetles, butterflies and other insects in books authored by Reaumur, Fabricius, Buffon, Drury, Donovan, Latreille, Kirby, Cuvier, Westwood, Thomas Say and so many others. We have two children, both healthy and successfully pursuing careers of their own in Denver and Milwaukee (goodness, 30 years ago when I was their age we were living in Cairo, teaching while on a Fulbright...), and four grandkids who love the modern era of smartphones and iPads but who have yet to know DNA.” He continues to be a regular vendor in the exhibits area of national ESA conferences, and invites Purdue alums to stop by the Cricket Science booth in Orlando and Denver in future years and say hello.

John Reynolds (MS '69) and his wife Wilma celebrated their 50th wedding anniversary on September 3rd. Wilma worked as a nurse at the Purdue Health Center while John was attending Purdue. Recently John published his 342nd paper and soon he will be publishing the checklist of earthworms for the state of Indiana.

The Entomological Society of America has named Purdue alumnus John Foster (PhD ’70) as the recipient of their Lifetime Achievement Award. Although retired from the University of Nebraska, Dr. Foster still keeps active as CEO of Foster and Associates Global Consulting, LLC and COO of Nanos Technologies, located in Columbia, MO and China.

After finishing his masters degree Mike J. Anderson, (MS ’72) left Indiana for a short while before returning to work with Rich Edwards on the large, multi-faceted pest management project with which he was associated for many years. Then in 1980 Mike took a job back in his home state of Idaho, doing a variety of pest management tasks.

In the summer of 1982, Mike and his wife, Thera were accepted as translators with Wycliffe Bible Translators, and by April, 1985, they were in Papua New Guinea, living and working with the Sudest people of Sudest (Tagula) Island in Milne Bay Province in the southeast of that country. They continued that work until they dedicated the Sudest New Testament July 5, 2015. It took 30 years and 3 months from the day they first landed on Sudest Island. (A side note: in their early language learning days, the Sudest helped Mike make an insect collection. Any new people came to the village, they would bring them in and say, “Tell them what this is? Tell them that one?” Was a good language learning too! And fun for all!) Now they are continuing to work with the Sudest people to complete several Old Testament books already in rough draft. And the Sudest are wanting to finish the Old Testament in their language. They will continue to work with them as long as their health remains good, but they are now living in Texas. They will make two major trips a year back to PNG. Because of the extreme remoteness of Sudest, they will no longer go live on that island, but will be working with Sudest people who come in to the provincial capital at Alotau.

John M. Owens (MS ’77, PhD ’80) retired from his work career at S.C. Johnson & Son, Inc. on May 30, 2014 after 32+ years, and has (mostly) been enjoying his photography hobby ever since! He fears he has waded deep into the weeds in this hobby, as this past spring John and his brother installed a darkroom in his basement where he can make black & white print enlargements from negatives that he produces with medium and large format film cameras. Most of his color photography is using digital cameras. John’s wife, Jan, continues working as an Assoc. Professor of Marketing at nearby Carthage College, and she enjoys her work so she plans to keep teaching for a few years. They both are enjoying good health, and they especially enjoy travel such as their 3+ week trip to Delhi, Amritsar, Agra and Rajasthan in India this past January. Jan will have a sabbatical leave next Spring semester, so they are beginning to plan for another special trip.

Dr. David W. Horohov (MS ’81) was appointed Chair of the Department of Vet-
Kevin A. Shufian (BS '82) is now an instructor of AP-biology and AP-environmental sciences at Harding Charter Prepatory School in Oklahoma City, Oklahoma. The high school is ranked number one in the state and 83rd in the country (according to the Washington Post). Kevin states that this is truly a rewarding and joyful post; preparing youths for their future college education. Kevin and his wife Andrine reside in Stillwater, Oklahoma with their gun dogs, Paddy and Alba. Photo taken in the Gila National Forest, NM.

Dr. Andrew Nuss (BS '98, MS '00) started an assistant professor at the University of Nevada Reno in January, in the Department of Agriculture, Nutrition and Veterinary Science. His wife, Monika Gulia-Nuss, will also be an assistant professor at UNR in the Department of Biochemistry and Molecular Biology.

Dr. Eric J. Rebek (PhD '04) was elected secretary-treasurer elect for the ESA-Southwestern Branch. Dr. Rebek is an associate professor and extension entomologist at Oklahoma State University, Dept. of Entomology and Plant Pathology. Eric earned his B.S. (1996) and M.S. (1999) in Entomology from the University of Wisconsin-Madison and his Ph.D. (2004) in Entomology from Purdue. Before arriving at OSU in 2007, he worked at Michigan State University as a post-doctoral research associate and had responsibilities in research, teaching, and extension. Eric currently holds a 100% extension appointment in horticultural entomology, specializing in insect pests of turfgrass, ornamentals, vegetables, and grapes. His research efforts support his extension program and include insecticide efficacy testing and integrated pest management strategies for horticultural crops. He supervised a Ph.D. student who won the J.H. Comstock Award in 2013, and he currently advises one Ph.D. and one M.S. student working on biological control in greenhouses and vineyards, respectively. Eric has a strong history of service to ESA, including the ESA Common Names Committee (chair), the Resolutions Committee, judging and moderating for student competitions, and subject editor for the Journal of Integrated Pest Management. For ESA-SWB, he has served on the Linnaean Games Committee (former coach and current Gamesmaster), Awards Committee, and Student Competition Committee. Eric is a member of the Society of Southwestern Entomologists and he served as Co-Chair of the Program Committee of the ESA-SWB Annual Meetings held in Amarillo, TX (2011) and San Antonio, TX (2014). He recently married his wife Bridget, an academic success coach at Oklahoma State University’s LASSO program. They have 8 kids between the two of them!

Luke Jacobus (BS '00, PhD '06) wanted to share an article that just appeared in "Inside IU". He further adds to the article by saying that we did choose some of the plants to attract and help insect pollinators. http://tinyurl.com/ztd23x4

Andy Michel (BS '01) was awarded the ESA Early Career Innovation Award for 2015. He wanted to acknowledge Purdue's instrumental role in his entomological education.
With each issue of Boiler Buzz we keep you up to date on what’s happening in the Department of Entomology and with Alumni. Please take a moment to let us know any of your own updates.

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Please include your name, address, degree, major and year of graduation. Digital photos (.jpg or .tif) are preferred. Photos received by mail will be returned upon request. To update your contact information online, go to: www.purdueinsects.org

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