

Welcome to The BUZZZZZ... Department of Entomology Newsletter

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“What makes things baffling is their degree of complexity, not their sheer size... a star is simpler than an insect.”
 – Martin Rees

Department of Entomology

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The Department of Entomology at the University of Arkansas in Fayetteville, welcomes you to our sixth newsletter!

New Students

We have seven new students this year. Sean Flynn began his studies in the summer and Sim Barrow, Derek Clarkson, Mallory Everett, Sean Flynn, Whitney Nelson and Ben Thrash began their studies in the fall.

Jessica Hartshorn completed her MS degree and is continuing on to pursue a PhD with Dr. Stephen.

- **Sim Barrow** is from Dover, AR. He received a BS in Fisheries and Wildlife Biology from Arkansas Tech University. Dr. Kelly Loftin is his advisor. Sim is researching the biological control of imported red fire ants using phorid flies, a parasitoid of fire ants. Sim enjoys bird watching, backpacking, singing barbershop music, mountain biking and disc golf.

- **Derek Clarkson** was raised in Cabot, AR. He received a BS in Agricultural Business with a minor in Sales and Marketing from the University of Arkansas. Derek is currently working toward his MS with Dr. Gus Lorenz at the Extension Center in Lonoke, with his research on insecticide/herbicide interactions in cotton. With no family farming background, he became interested in Agriculture due to time spent in the woods and on the water, hunting and fishing. Derek is a Kappa Sigma Alumni and can't wait for football season.

- **Mallory Everett** is from Wynne, AR. She received a BS in Agribusiness from Arkansas State University. Mallory is studying the efficacy of seed treatments against rice water weevil under various levels of soil fertility under Dr. Gus Lorenz. She is interested in guitar and the outdoors.

- **Sean Flynn** is from Little Rock, AR. He received a BS in Environmental Soils and Water Science with a Minor in Wildlife Habitat from the University of Arkansas. His advisor is Dr. Gus Lorenz. He is interested in Applied Entomology and, if possible, wants to work in Brazil. He loves to be outdoors, fishing, hiking and hunting.

- **Whitney Nelson** is from Grand Rapids, MI. She received a BS in Biology and English from Calvin College, MI. Whitney obtained a MS in Aquatic Biology at Grand Valley State University, Allendale, MI. She was recruited by Dr. Dowling to work on aquatic mites. Whitney enjoys running, cooking and is trying to adapt to the NWA heat.

- **Ryan Rastok** is from Lawrence, KS. He received a BGS in Environmental Science and Geographic Information Science at the University of Kansas. He is pursuing a MS in Forest Entomology with Dr. Stephen. He is interested in the interspecific relationship between *Monochamus titillator* and its bark beetle associates. Ryan loves the outdoors especially if it involves insects, chainsaws, trees, boats, fishing, hiking and wildlife.

- **Ben Thrash** is from Conway, AR. He received a BS in Crop Management and a Minor in Pest Management from the University of Arkansas. Dr. Gus Lorenz is his advisor. Ben is interested in insect pest management in row crop agriculture. He enjoys hunting, fishing and photography.



Photo by Ben Thrash

Dissertation Kick Start

Twelve doctoral candidates from across campus participated in a week-long full-time intensive writing workshop designed to help each progress their dissertation in a big way. Each student took a “time out” from all of their regular commitments to attend the Dissertation Kick Start, the first offered on this campus by the Graduate School and International Education.

Several seminars were interspersed throughout the week on topics of interest, including research compliance, bibliographic reference citation software, plagiarism and copyright issues, and outlining.

Brian Petty, PhD candidate in entomology, attended this valuable workshop. Dr. Wiedenmann, co-led the group with Diane Cook, director of graduate student activities. Wiedenmann said that at the end of the week, student participants reported they were unanimously delighted with the workshop, saying that it really helped them make substantial progress in their writing.

Wiedenmann said, “The students most appreciated the uninterrupted time to write, and the chance to be with other students also writing dissertations — a solitary and sometimes isolating activity. The participants agreed they will meet each week going forward, to keep the momentum that they started in the workshop.”



Photo by Ben Thrash

Student Scholarships

Amber Tripodi received the Lloyd and Ruby Warren Scholarship for Fall 2012. She will receive a plaque and \$500 to help further her education.

Soo-Hoon Sam Kim received the Jake R. Phillips Scholarship for Fall 2012. He will receive a plaque and \$500 to help further his education.

Fall of 2012 is already here!

It has been a busy summer and promises to be an equally busy fall. One of my neighbors asked me how it was to “have the summer off.” My reply was that I wouldn’t know – we seem to be busier during the summer than the rest of the year!

We welcome seven new graduate students this fall, and congratulate Jessica Hartshorn on her decision work on a PhD. Elsewhere in this issue, you will read about the new students and the new-student tour. In the next few months, we will see several of our current students complete a degree and decide on the next steps in their lives.

One of the Department’s priorities over the past seven years has been to support students as they seek unique educational experiences. This summer, Amber Tripodi spent 10 days learning research techniques at the USDA Bee Biology Lab in Logan, Utah. Three students were (or will be) able to participate in international conferences or workshops: Jess Hartshorn at the one-week Hymenoptera Specialty Training Course at the Tovetorp Research Station in Sweden; Soo-Hoon Sam Kim at the International Congress of Entomology in Daegu, South Korea; and Carey Minter at the Australasian Weeds Conference in Melbourne, Australia.

We welcome Dr. Raghu Sathyamurthy to the Department, beginning October 1. Raghu will be stationed at the Rice Research and Extension Center in Stuttgart. We also are seeking to fill the faculty position vacated when Dr. Scott Akin took a job with FMC Corporation. We wish Scott the best in his new job.

The month of October brings the 13th Insect Festival of Arkansas (October 4), the Arkansas Entomological Society meeting in Fayetteville (October 5) and the Distinguished Alumnus seminar and reception (October 19). We hope you can join us for any or all of those events.

This fall also marks the beginning of the University’s Capital Campaign. We will be contacting you to seek your support of the Department in the Campaign. Several options to target your donations will include a scholarship fund honoring long-time University Professor, Dr. Max Meisch; an endowment to fund our departmental seminar series, which brings renowned experts to the Department; and an endowment to support our Distinguished Alumnus Award. You may also designate your donation to general support of the Department. We hope you find a way to help strengthen the Department through your participation in the Campaign. Thank you in advance for considering our request when you are contacted.

Please feel free to contact us, provide feedback, attend our events or stop by.

Best wishes,

A handwritten signature in black ink, appearing to be 'Roh' or similar, written in a cursive style.

For information and photos about insects in Arkansas, check out the Entomology Museum photo gallery at:

www.uark.edu/ua/arthemuse/gallery.html

Outreach 2012, Another Busy Year

The **Isely-Baerg Entomology Club** entertained more than 200 people on May 20th at the Second Annual Fayetteville Block Street Party. **Adam Alford, Ace Lynn-Miller, Brian Cowell, Chandler Barton, Amber Tripodi, Travis Edwards, Jessica Hartshorn, Clint Trammel and Soo-Hoon Sam Kim** set up a booth with insects to educate the general public about local insects. Activities included coloring pages, teaching children how to properly use a microscope and how to make their own insect collections.

On July 10th, **Adam Alford** attended the Summer Day Camp Outreach for about twenty elementary school children. Adam brought several display cases of insects for the children to look at. He gave an overview of insects to the kids and quizzed them on what they learned. The children also collected and identified insects at the camp.

The **Isely-Baerg Entomology Club** continues to manage the bee hives at the Experiment Station farm. The pure local honey produced from those hives was for sale in the Entomology office in AGRI 319. The club also sold honey at Insect Festival this year.

On July 14th, **Kevin Durden and Chandler Barton** attended an evening Firefly Fling event at the Fayetteville Botanical Gardens. This is a family festival for parents and preschool/elementary age children. Approximately 2,000 people attended. Kevin and Chandler set up a booth to educate the general public about area insects. The children especially enjoyed the free insect stamps and insect erasers.

Insect Festival Theatre



Practicing for the Insect Festival Theatre are Carey Minter, Draven Killian, Brian Cowell, Adam Alford and Jessica Hartshorn.



Amber Tripodi and Emily Robertson

Amber Tripodi receives the Ozark Hills Daylily Club of Bella Vista/Nature's Calling Scholarship

Amber Tripodi received the Ozark Hills Daylily Club of Bella Vista/Nature's Calling Scholarship (\$1,000) for her efforts in native bee awareness and conservation. Tripodi's research will characterize the local phenology of bumble bee species and their floral resources, as well as determine whether bee populations are stable or declining using population genetics. The Ozark Hills Daylily Club is pleased to support the Dale Bumpers College of Agricultural, Food and Life Sciences and the University of Arkansas through their scholarship program. The scholarship was presented by Master Gardeners and Master Naturalists Bill and Emily Robertson, officers in the club and members of the Northwest Arkansas Garden Co-Op. Amber also received this award in 2011.

Farmers' Market Insect Booth

This summer, the University of Arkansas entomology graduate students staffed a booth at the Farmers' Market on the Fayetteville Square. Graduate students were on hand every 2nd and 4th Saturday of the month to answer questions about insects invading gardens and houses. The entomology graduate students brought along multiple display cases and microscopes to show visitors insect diversity. Over the course of the summer, they fielded questions from over 1,000 people!

Dr. Robert N. Wiedenmann receives the John V. Osmun Alumni Professional Achievement Award in Entomology

Department Head Dr. Robert N. Wiedenmann has received the John V. Osmun Alumni Professional Achievement Award in Entomology from Purdue University. This award is a great honor and has a long and prestigious history.

John V. Osmun served as Head of the Department of Entomology from 1956-1972. Upon retirement from the Purdue Entomology faculty in 1987, an award fund was established in his honor.

The John V. Osmun Alumni Professional Achievement Award in Entomology is to recognize a hallmark of John Osmun's long career, professionalism, and his great respect for Entomology alumni.

Friends, former students, and peers established the John V. Osmun Alumni Professional Achievement Award as an expression of gratitude for John's many and enduring contributions. The Award is given annually to a degree-holding alumnus of the Purdue University Department of Entomology.

Dr. Wiedenmann received his doctoral degree in 1990. He was presented the alumni award October 12 at Purdue, where he gave a seminar to the Department of Entomology on "The Phylogeny and Ontogeny of Ideas." This year's award ceremony coincided with the celebration of the centennial of Purdue's Entomology Department.



Dr. Robert N. Wiedenmann

Congratulations Dr. Wiedenmann!!!!



Photo by Tracy Ingersoll

"Pick an insect at random, and chances are there is something about the way it feeds, or defends itself, or reproduces, that is unique."

- Thomas Eisner



Photo by Sean Flynn

Employee Spotlight

Shelby Goucher, Fiscal Support Analyst, received the employee of the quarter award in May 2012. Shelby handles accounting, budget and travel for faculty, staff and graduate students in Entomology. She also assist Horticulture with accounting and budget. Shelby is also attending classes, while working full time, to receive a BS in Agricultural Economics and Agricultural Business.

Congratulations Shelby!!!!



Dr. Wiedenmann with Shelby Goucher

Student Award

Carey Minter, PhD candidate, received the C.C. Burkhardt Memorial Graduate Student Award for Best Paper at the 83rd Rocky Mountain Conference of Entomologists, Woodland Park, CO, August 5-8, 2012. The title of her presentation was "Determining the feasibility of using multispectral remote sensing to map spotted knapweed." Carey also received this award in 2011.

Congratulations Carey!!!!



Spotted Knapweed

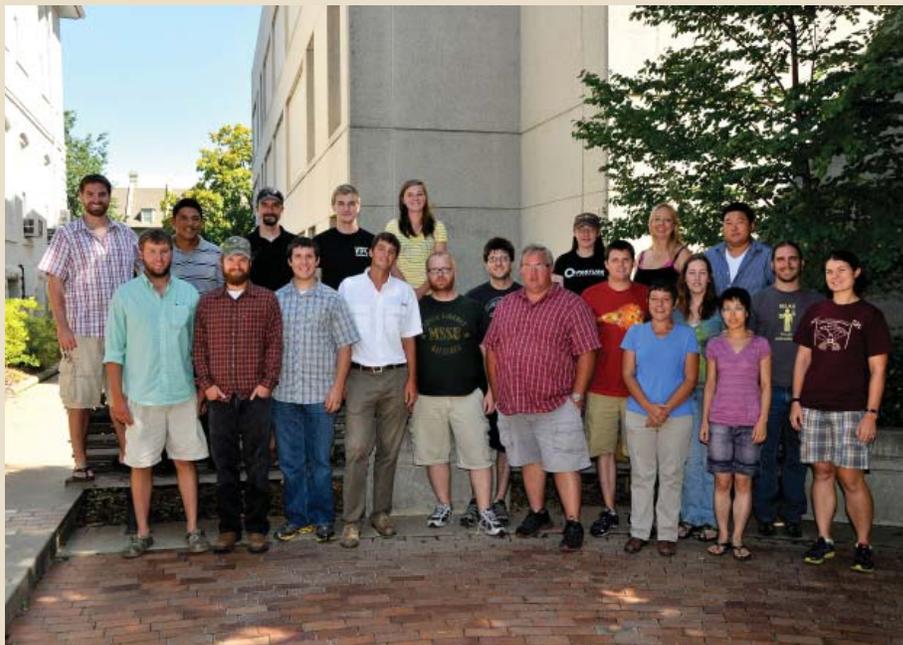
New Entomology graduate students take a trip to south Arkansas

Entomology Professor Kelly Loftin took six new graduate students on a study tour of Arkansas agriculture, including the Chappell Farm, Lon Mann Cotton Research Station in Marianna, and Fulton Grass Farm. Adam Chappell, entomology alumnus, discussed technology of modern agriculture and led a tour of the major crops produced on the Chappell Family Farm. While in the Cotton Plant area, the group also toured a cotton gin and grain storage warehouse. Entomology Professor Gus Lorenz, Mallory Everett, Ben Thrash, Derek Clarkson and Luis Orellana discussed various aspects of row crop entomology, such as sampling methods, pest management and current projects. Claude Kennedy, Resident Director of Lon Mann Cotton Research Station, presented the history of the station with vintage footage from the very first field day held there. The group finished the southeast portion of the tour with a brief stop at Louisiana Purchase State Park. The final day of the tour began in Fulton, AR, with an evaluation of a fire ant quarantine treatment, led by Entomology Professor John Hopkins, Program Associate Ricky Corder and Entomology Associate Professor Kelly Loftin.



Pictured from left, Mallory Everett, Derek Clarkson, Sim Barrow, Ryan Rastok, Whitney Nelson, Ben Thrash and Adam Chappell.

Henry Struckman, owner of Fulton Grass Farm, led the group on a tour of the farm. The new students discussed production practices and saw the pests of beef cattle. At the farm they saw commercial watermelons, forage, purplehull field peas and pecans. Sim Barrow finished the southwest portion of the tour by leading a search for decapitating phorid flies.



Sean Flynn

2012-2013 Graduate Students

Back, from left: Ray Fisher, Luis Orellana, Travis Edwards, Chandler Barton, Mallory Everett, Natasha Wright, Carey Minter and Soo-Hoon Sam Kim

Front, from left: Ben Thrash, Ryan Rastok, Sim Barrow, Derek Carlson, Bryan Petty, Adam Alford, Kevin Durden, Brian Cowell, Amber Tripodi, Jessica Hartshorn, Jiamei Li, Michael Skvarla and Whitney Nelson

Student Travel

Soo-Hoon Sam Kim traveled to Daegu, South Korea in August 2012 to the International Congress of Entomology. Sam presented a poster titled, “Visual and chemical cues attracting rednecked cane borer, *Agrilus ruficollis*, to primocanes.”

Jessica Hartshorn traveled to Gnesta, Sweden in August 2012 to attend the one-week Hymenoptera Specialty Training Course on the taxonomy and identification of Hymenoptera. She attended daily lectures at the Tovetorp Zoological Research Station on the superfamilies and families of Hymenoptera and examined specimens under a microscope. At the end of the course she completed an exam and received a certificate of completion.

Carey Minter will be traveling to Australia in October 2012 to attend the Australian Weed Conference in Melbourne. Carey will be presenting, “Investigation of the Cumulative Stress Hypothesis: Biological Control of Spotted Knapweed in the Southeastern United States.”



Photo of honeybee by Natasha Wright

American Bee Journal

Dr. Don Steinkraus and Natasha Wright, MS student, have an article in the August 2012 *American Bee Journal* about honey bees titled: “Putting Yourself in the Shoe of the Honey Bee, Understanding Varroa and Tracheal Mites on Honey Bees.” The article has pictures of past and current graduate students with mites and honey bees that are human sized. Enlarged photos of *Varroa destructor* mites and tracheal mites give a good idea of what these miniscule mites look like. Photos of honey bees with wings permanently damaged from Varroa mites indicate a total loss to a bee hive.

2012 Distinguished Alumnus Award Winner

Dr. Chris Carlton, Louisiana State University, has been chosen as the recipient of the 2012 Distinguished Alumnus Award for the Department of Entomology. Dr. Carlton is currently Holton Professor of Agriculture, Department of Entomology and Director, Louisiana State University Arthropod Museum. Dr. Carlton earned a BS degree from Hendrix College in 1977, and both a MS (1982) and PhD (1989) from the Department of Entomology at the University of Arkansas.

Career highlights include:

- He has authored 87 refereed journal articles, three book chapters and 58 conference presentations.
- He has received research support of more than \$2,000,000, including five awards from the National Science Foundation.
- Chris has presided over expansion of the Louisiana State Arthropod Museum into a research collection of over a million specimens, with globally significant holdings of Coleoptera.
- He has described, or co-described with colleagues, 110 new beetle species.
- In a ten-year study of beetles in the Great Smoky Mountains National Park, Chris described 50 new species.
- In Bolivia, he described a new tribe, genus and species of sap beetle.
- Chris has the first descriptions of true troglobitic beetles from Arkansas caves.
- He has described the smallest beetle larva known thus far.
- Twelve newly described insect species bear the honorary specific epithet *carltoni* based on specimens collected during fieldwork in nine countries.

Dr. Carlton will be visiting the Department of Entomology during the fall 2012 semester to accept his award. He will present a seminar on October 19, 2012. In addition, there will be a reception from 5:00 to 8:00 p.m. at the University House, where he will be presented with a plaque commemorating his award.



This is a photo Dr. Dowling took in his backyard of a broad-headed bug of the family Alydidae. It mimics ants presumably in order to avoid predation.

Travels to Costa Rica



Carolyn Lewis, PhD Entomologist, attended the OTS (Organization for Tropical Studies) Specialty Course, Diversity and Systematics of Beetles (OTS Beetle Systematics). A student from New Zealand and a student from Korea also attended this workshop with others from the United States.

This workshop was held June 6-19, 2012 at La Selva Biological Station and Veragua Rainforest Research and Adventure Park near Limon, Costa Rica.

The course was led by Chris Carlton, PhD, LSU Arthropod Museum, Baton Rouge, LA and Richard Leschen, PhD, Landcare Research, Auckland, New Zealand and others.

The course consisted of lots of fieldwork, lab identification and hands-on research that was balanced with a lecture series covering the systematics of Coleoptera globally.



La Selva: At the confluence of two major rivers in the Caribbean lowlands of northern Costa Rica, La Selva comprises 1,600 hectares (3,900 acres) of tropical wet forests and disturbed lands. It averages 4 m (over 13 feet!) of rainfall that is spread rather evenly throughout the year. http://www.ots.ac.cr/index.php?option=com_content&task=view&id=162&Itemid=348

Army Reserve Training



Jon Zawislak lighting the smoker to tame the honey bees

The Army Reserve 431st Civil Affairs Battalion came to the UA Farm to learn from Extension Apiculturist, **Jon Zawislak**, how to handle a bee hive, as part of a four-day training session in Fayetteville to help them prepare for their next deployment.

The battalion, consisting of 45 members, is not under an alert order for deployment but there is a chance some of the battalion could be sent to Afghanistan or other countries under the U.S. Central Command in the Middle East, North Africa or Central Africa. The battalion is under the U.S. Army Civil Affairs and Psychological Operations Command, based in Fort Bragg, NC

The Arkansas soldiers can pass along to civilian populations the agricultural practices and techniques they learned at this session. "The agricultural sector is an important part of life [in the command's area]," said Col. Richard Sele.

Col. Richard Sele met the dubas bug seven years ago. He never forgot it. Sele, who now commands the U.S. Army Reserves 431st Civil Affairs Battalion out of North Little Rock, was serving in northern Iraq in 2005 when he discovered that thousands of date farmers were battling a crippling infestation by the insect.

The dubas is a pest that attacks date palms in the Middle East sucking their sap and leaving honeydew. The Iraqis' crops hadn't been sprayed in two years. The government, supported by U.S. forces and other international organizations, sprayed the fields. If they hadn't, those date farmers may have become insurgents, Sele said.

Lt. Col. Jeff Wakelyn, an engineer by training, said he wished he could have had this training the first time he went to Afghanistan. "It would have been much easier to build that initial relationship with those farmers," he said. "These are tools that soldiers can take anywhere in the world." The goal is to help reconstruct Afghanistan's long-suffering agriculture industry after years of war and drought.

- adapted from Northwest Arkansas Times

Graduate Spotlight



Tara pauses with the local extension agent (Isaac) and coworker (Isaac) after checking on a farmer's maize field in the Upper East Region, Ghana.

Tara Wood (MS, 2009) spent the summer in Ghana on an internship as part of her Doctor of Plant Health degree at the University of Nebraska.

Her internship was coordinated by USAID and involved serving as a crop advisor to local farmers, business facilitators and extension personnel. Her varied duties included advising on agronomic practices (soil fertility, plant thinning), diagnostics (insect and disease problems), pesticide safety and water.

The farmers used GPS coordinates to document maize fields and rice fields. Tara facilitated rice nursery preparation and showed the farmers diseased plants within the rice nursery. She provided recommendations for short-term and long-term disease management.

Help Keep Our Alumni Database Current

Please let us know if you have moved. Include your current contact information such as address, phone, fax and e-mail, as well as your University degree, year, and advisor.

Mail your information to the Department of Entomology, AGRI 319, University of Arkansas, Fayetteville, AR 72701; or fax to (479) 575-2452; or e-mail Susan Osredker at osredker@uark.edu. We look forward to hearing from you!



Tara explains the importance of mixing, applying and handling agrochemicals properly to minimize impacts to the environment and human health at a village in the Upper East Region, Ghana.



Tara poses with a group of high school girls at the Sacred Crocodile Pond in Paga, Upper East Region, Ghana. The crocs are real, but they are "tame." The girls are real, and are not tame!



ENTOMOLOGY 2012

ESA 60TH ANNUAL MEETING
NOVEMBER 11-14, KNOXVILLE, TN

Emeritus Professor Dayton Steelman lectures across Arkansas

Dayton Steelman, University of Arkansas Emeritus Professor of Veterinary Entomology has not let retirement slow him down. He has been lecturing across Arkansas about ticks of the Ozarks, chiggers and mosquitoes. Dr. Steelman was interviewed on KUAF radio, "Ozarks at Large," on May 23, 2012. He also gave a lecture at Hobbs State Park-Conservation Area visitors center outside Rogers in southeast Benton County.

Dr. Steelman discussed the history of tick disease at Fort Chaffee and the post-Vietnam War era. Though not as well-known as Lyme disease, *Ehrlichia chaffeensis* is a fairly common tick-borne illness in Arkansas. First isolated in 1990, *Ehrlichia* was later traced to Laotian refugees who were brought to Fort Chaffee, along with Vietnamese and Cambodian refugees in the 1970s following the end of the Vietnam War.

"These people were infected with a pathogen," Steelman told about 25 people who turned out that Saturday at the park to hear his "Insects that Suck" talk.

Once ticks began biting the Laotian people housed at Fort Chaffee, they spread the pathogen to other human and animal hosts, Steelman said.

Dr. Steelman was also interviewed for an article in the *Arkansas Democrat Gazette* on June 17, 2012 along with entomologists Dr. Robert Wiedenmann and Dr. Don Steinkraus. Those interviewed said people should be vigilant about checking themselves for ticks after being outdoors — even if "outdoors" is in the city.

"Right now, there are deer living on Mount Sequoyah, and the more deer there are, the more ticks there will be," said Don Steinkraus. Dr. Steinkraus believes *Ehrlichia* is the most likely of the two diseases an Arkansan would encounter.

"The black-legged tick is the main vector for Lyme disease, and we have more Lone Star ticks in Arkansas," adding that the latter tends to transmit *Ehrlichia*.

"I had *Ehrlichia* last summer, because I had been working a lot out in the woods," Steinkraus said. "It mimics a flu, and you get a terrible headache."

"If a person is bitten by a tick and then a week or so later gets bad symptoms, you should go see a doctor."

Stelman advises his listeners to check themselves for ticks and remove the critters carefully as soon as there's a possible exposure, although they have two days to do so. That's because the ticks have a long, slow process of attaching and beginning to feed, unlike a mosquito that can get a blood meal within seconds.



Dr. Dayton Steelman

"They take about 48 hours to attach to you and begin feeding," Steelman said. Their first steps are pumping you with anticoagulants to thin your blood. Within 72 hours, well after the feeding has begun, the tick will begin pumping any pathogen it might be carrying into the host, he said.

Stelman said the best way to remove a tick is to take tweezers and slowly pull back, wiggling the creature up and down a bit as you do so the head is removed as well.

As for weather, he said, there's no really good predictor of how it will affect insect populations. In other words, a mild winter doesn't necessarily trigger an explosion in the bug population in spring and summer. It all depends on each kind of bug and that particular insect's life cycle and other characteristics.

"It's more complicated than just mild weather," Steinkraus said. Drs. Steinkraus and Wiedenmann said bug populations that appear to be down this year are Japanese beetles, fleas, ants and ticks.

"It's a bit counterintuitive," said Wiedenmann. "You would think milder temperatures enhance survival, but not always. Not in every case."

Some insects, including certain beetle species, survive better in a cold winter than a mild one, he said.

"Some leaf beetles are examples of this," Wiedenmann said. During hibernation in a cold winter, the creatures aren't burning through their fat storage as fast. In a mild winter, they might exhaust their reserves and starve, or emerge from their long sleep prematurely, before their spring food supply out in nature is ready for them.

Steinkraus offered a perfect example on why life cycle is so telling. "A mosquito can go from an egg to an adult in approximately 10 days," he said. So it matters little what the previous season is like, and the stinging little bloodsucker's numbers rely more on recent rainfall totals, he said.

- Adapted from the *Democrat-Gazette*



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Fall 2012 Entomology Seminars

- October 11 Marion Ellis, University of Nebraska
- October 12 Theresa Pitt-Singer, USDA-ARS, Logan, UT
- October 19 Chris Carlton, Louisiana State University,
Distinguished Alumnus
- October 26 Bob Peterson, Montana State
- November 9 ESA, no seminar
- November 23 Thanksgiving, no seminar

Calendar

- October 4 Insect Festival!!!!
- October 4 Fish Fry preceeding AAES meeting
- October 5 Annual Arkansas Entomological Society meeting,
Fayetteville, AR
- October 19 Distinguished Alumnus Event, University House
- November 9 ESA, Knoxville, TN



Entomology Faculty

Department Head
Rob Wiedenmann

University Professor
Fred Stephen

Professor
Fiona Goggin
Donn Johnson
Tim Kring
Gus Lorenz
Paul McLeod
Don Steinkraus
Allen Szalanski
Tina Gray Teague

Associate Professor
Kelly Loftin
Glenn Studebaker
John Hopkins
Tanja McKay

Assistant Professor
Ashley Dowling

Curator
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Adjunct Professor
Damon Crook
Argelia Lorence
Hannah Burrack

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