

# Entomology@Purdue

**PURDUE**  
UNIVERSITY

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## Landscape Ecology and Biodiversity

Landscape ecology examines the effects of large scale land use patterning on ecological processes. Such processes include population dynamics, ecosystem services, and food web dynamics. In the Landscape Ecology and Biodiversity lab, my students and I [Jeff Holland] are looking at how the mosaic of land use across the Midwest affects the diversity and movement of beneficial native insects and the dynamics of pest species. We seek to understand how land use patterns at large scales influence insects, with the aim of promoting the diversity of beneficial and neutral species

(the majority of our insects) while also seeing if land use decisions can help control pests. We are currently focusing on wood-boring beetles but will be using other groups as well.

We have for the past three years been surveying long-horned beetles at many forested sites across the state. We use geographical information systems (GIS) to examine the larger landscapes around our study sites. Detecting trends in datasets that consist of many landscape variables and dozens of beetle species requires us to use multivariate spatial statistics, something I never would have believed I could come to really enjoy. The simplest way to express what we do then is 'bugs, maps, and math,' and we are fanatical about all three. We have joined forces with researchers in Forestry

and Natural Resources, IDNR, and at other universities in a large project to look at the response of many different plants and animals to different forestry techniques. We have two years of pre-treatment data from this massive experiment, and are anxiously waiting to get back into the woods to see how the beetles respond.

We have found that the mosaic of human activities that surround forests has a large influence on the beetles we find. Some changes can be very abrupt, as in the case of a beetle that develops in living maple

trees. We were able to predict where the edge of this beetle's range would be to within half a mile across the state. I recently was able to date a larval gallery from this species as being seven years old, while an undergraduate student, **John Shukle**, was able to extract the beetle's DNA left behind on the wood shaving-like frass. For some wood-boring beetles, the influence of the landscape only becomes apparent at large scales, as in one of our dead-wood 'recycler' species that is affected by the connectedness of forest across large areas.

We not only study biodiversity, but are a diverse crowd of people as well. We have four countries represented in the lab, and a new graduate student from a fifth country



**VIRTUAL BEETLES:** A virtual long-horned beetle flies between forests, 'watched' by (l to r): Jeff Holland, Carolyn Foley, Shulin Yang, Michael Skvarla, John Shukle, and Kapil Raje.

(Continued on page 2)



Steve Yaninek

## From the Head Bug

### JJ Davis the Person

*(continuing series on the history of entomology at Purdue)*

John June “JJ” Davis, an icon in the history of entomology at Purdue, was born in Illinois in 1885. He studied entomology at the University of Illinois and graduated with honors in 1907. After a short stint at the Illinois Natural History Survey (INHS) where he worked on a wide range of production insect pests, he joined the USDA Bureau of Entomology in 1911 as entomologist for the Cereal and Forage Crop Laboratory at the Purdue Experiment Station in West Lafayette. In 1913, he succeeded W. J. Phillips as head of the lab until he moved to Riverton, NJ in 1919 as director of the new Japanese Beetle Lab. In 1920, he returned to West Lafayette and joined Purdue University as the second head of the Department. JJ was department head for 36 years until his retirement in 1956. He was married 4 times, but had no children and died of a heart attack in 1965. Although small in stature at 5’7”, the “chief” left no doubt who was in charge. He had boundless energy and worked late every day and most weekends. He controlled everything and made all the decisions in the department which was understandable given the unit size and modest state budget. His frugality was legendary. One year he returned \$200 of his \$500 budget to the dean as evidence of tight fiscal control. A dedicated and committed entomologist who expected the same from his staff, JJ

did not like vacations and only reluctantly allowed his staff to take leave. His work on greenhouse insects, cutworms, Japanese beetles and white grubs, and reputation as an aphid specialist is captured in more than 200 scientific publications. JJ looked forward to his daily mail and was passionate about his correspondence, often staying late to answer letters. Teaching the public about insects was another passion he took seriously, and he personally answered every question that came into the Department. He was a national leader in science and entomology for many decades. He was a charter member of ESA, host of the first meeting of the ESA north central region, a fellow of the American Association for the Advancement of Science, and served as president of the Indiana Natural History Society, ESA (1932), and the American Association of Economic Entomologists (1938). He also represented the President of the United States at the International Congress of Entomology in Paris, France in 1932. A renowned storyteller, JJ enjoyed a good joke and an occasional drink. He entertained his colleagues with a new joke every day, and eventually compiled them into “The Entomologist Joke Book” published in 1937 by the Exterminator’s Log, predecessor to Pest Control. His “taste for the spirits” was well known. JJ “Asleep-at-the-Switch” Davis earned that moniker in college after falling asleep on the toilet following an evening of beer drinking with his fraternity brothers. After college, JJ and colleagues would enjoy an occasional beer at work, but when they tried to bury the evidence in the field outside the lab, the spring thaw exposed their scheme when row after row of empty bottles popped to the surface! All in all, JJ was a visionary who established the character of the Department we know today. The next column will look at the programs, people and traditions that got started during the JJ Davis years.

~Steve Yaninek~

*(Continued from page 1)*

likely joining us next semester. **Shulin Yang** is a graduate student from China who is examining the spatial scales at which forest and landscape patterning influence different species of long-horned beetles. He will use these results to build an ecological model capable of predicting the presence of particular species.

A Canadian graduate student, **Carolyn Foley**, uses GIS to investigate how long-horned beetles perceive the landscapes that they travel through. In particular, she is interested in their ability to differentiate between habitat and non-habitat. She hopes that her results will better inform future studies of insect movement.

**Kapil Raje** recently joined us from India, and is co-supervised by **Dr. Virginia Ferris**. Kapil will be working with other researchers on the phylogeny of long-horned beetles and how life history characteristics and host plant conditions map onto this phylogeny. An important outcome of his work will be the ability to suggest species that could become future exotic invasive pests.

It is an exciting time at Purdue for us. Increasing concerns about the environment and human influences on ecological systems have recently turned attention towards landscape ecology. There are many ongoing and new environmental initiatives on campus and we look forward to playing a role in them. Our work will make human pursuits in Indiana more ecologically sustainable and reduce our impact on the insect species that are working behind the scenes, providing the services we all depend upon.

~Jeff Holland~



## Department News

### New Staff

**Lori Edwards** was hired in August as the new Business Assistant. Previously an Account Clerk in Nuclear Engineering, Lori

has been at Purdue for six years. She and her husband, Gary, have four daughters and three grandchildren. They live in West Point, Indiana. **Cheryl Bluett**, formerly the Business Assistant in Entomology, was promoted to Business Manager in July. Cheryl has three years with the department and four with Purdue. Cheryl and her husband, Ron, live in Darlington, Indiana. **Jason Meyer** (MS

'02) was welcomed back as a postdoc in **Cate Hill's** lab. Jason received his PhD from the University of Florida. His research focus on tick genome evolution entails working with the international tick research community. Jason will serve as community representative of VectorBase, a database that stores and displays genomic data for arthropod vectors of human disease.

## Millionaire's Club

Larry Murdock and Barry Pittendrigh were recognized at the 2nd Annual Millionaire's Club Award ceremony in September for their work in bringing home one of the biggest single grants in the College of Agriculture and the biggest ever in the Department of Entomology. The Millionaire's Club was established for College of Agriculture personnel who have been awarded a grant of \$1 million or more.

Murdock and Pittendrigh, along with their colleagues, were awarded and signed a contract with the Gates Foundation for \$11.4 million over the next 5 years to implement post harvest pest management of the cowpea weevil in West Africa. Dean Woodson presented plaques to each team member and their names will be listed on the Millionaire's Club Board in the main hallway of the Agricultural Administration Building. Additional recognition was made by the University's Seeds of Success Award for faculty who receive a sponsored research grant of \$1 million or more. Award recipients were presented with a bronze acorn, engraved with their name. The award group will be honored by having a tree planted on campus with a plaque to recognize their accomplishments.

### Callout for 'Bug Tales'

A collection of Purdue Entomology stories is being developed for possible publication for the department's Centennial Celebration in 2012. Purdue Entomology alumni and all current and former students, faculty and staff are invited to assist us with this project. Many of you have your own 'piece of yarn' to add to familiar tails of the notorious suit of armor, annual Ag Fish Fry, Thomas Say cookouts/dinners, bats in Entomology Hall, or field experiments gone awry. We also invite you to share other interesting stories of personal experiences, photos, or memorabilia that will reveal and enhance our history as a department. Your support is appreciated as planning gets underway to make the Centennial Celebration an unforgettable event. More information to come in the Spring 2008 issue.

Submit to: [plloyd@purdue.edu](mailto:plloyd@purdue.edu)  
Paula Layden, 901 W. State St.,  
West Lafayette, IN 47907-2089

## 2007 Osmun Alumni Award



(L-R) Dortha Osmun, John Osmun, Thomas Henry, and Kathryn Henry

**Dr. Thomas J. Henry** (BS '71), a world-renowned expert on Heteroptera, is the 2007 recipient of the John V. Osmun Alumni Professional Achievement Award in Entomology. Dr. Henry, a native of Logansport, Indiana, is currently a research entomologist with the USDA where he has responsibility for Heteroptera, the true bugs, in the National Collection. Several family and friends of Dr. Henry were present for the award ceremony and his presentation, *From Entomology Hall to Washington DC: Reflecting on a Passionate Pursuit of Systematics*. When introducing Dr. Henry, Steve Yaninek noted that for the first time the award was being presented to a real "Bug Doctor." A surprise part of the ceremony was an audience-participation presentation of a parody of the well-known folk song about John Henry a steel driving man. The rewritten words focused on 'Tom Henry' a net swinging man. The song concluded that ardent insect-collector Tom Henry will surely 'Die with a net in his hand!' Tom Henry got the honor of playing himself in the enactment of the song.



Thomas Henry and John Osmun

## Invasive Species: On the Other Side

Jodie Ellis, Exotic Insects Education Coordinator for Purdue Entomology, attended the First International Workshop on Biological Control of Invasive Species of Forests in Beijing, P.R. China from September 20-25, 2007. The Workshop was sponsored by the USDA Forest Service, the China State Forestry Administration, and the Asia-Pacific Forestry Commission with participation by the Chinese Academy of Forestry, Beijing Normal University, the Chinese Academy of Agricultural Sciences, the Chinese Academy of Forestry-Research Institute of Forest Ecology, the Asian-Pacific Forest Invasive Species Network and the Asian-Pacific Association of Research Institutions.



Workshop participants visit the lab of Dr. Zhongqui Yang (center) at Chinese Academy of Forestry-Research Institute of Forest Ecology

The purpose of the meeting was to summarize the past 15 years of cooperation between the USDA Forest Service and various organizations in China to manage invasive species of forests; to plan for future cooperation among the USDA-Forest Service and China as well as other countries in the Asian-Pacific region to manage invasive species of forests, to develop/strengthen strategies for minimizing introduction of invasive species of forests between the US and China as well as other countries; to encourage informal exchanges of scientists and workshops covering biological control of invasive species of forests; to coordinate shipment of natural enemies; and to document the biology, life history, natural enemies, etc. of invasives from both nations which will foster development of a prioritized list of potential invasive species of our forests. "The meeting was the first of its kind for both nations," said Ellis. "The levels of interest and cooperation I observed gives me hope that we will be able to work with China to lessen the impact of invasive species on both continents."

Ellis's visit served as a follow-up to an earlier one to Beijing made by Steve Yaninek this summer. He was quite impressed by the potential for cooperation between Purdue and Chinese scientists, and continues



Jodie Ellis meets a real Manchurian ash tree

to explore possibilities.

The meeting was hosted in a resort in the northwest suburbs of Beijing. Ellis commented, "The Beijing area as well as the rest of China is undergoing tremendous

financial

growth and development. This bodes well for China's scientific community; now is an excellent time to expand collaboration with their scientists that will help solve problems for both of us."

## Development Update

Our alumni and friends contributed \$11,000 in discretionary funds, and made scheduled payments toward our endowed chair (O. Wayne Rollins/Orkin) and professorship (John V. Osmun) in urban entomology. We also received a gift from the Parman family to endow the Vince Robert Parman Memorial Endowment for Entomology. This endowment will establish a memorial lecture series to honor Vince Parman (MS '81) who passed away in 2007. We used our discretionary funds to help four graduate students travel to Winnipeg, Canada where they presented their research at the 2007 ESA branch meeting, send three graduate students to Mexico with Steve Yaninek and Jeff Stuart to visit the Monarch butterfly sanctuaries, and help support four undergraduate students who joined Al York on a study abroad adventure in Europe to compare organic and conventional farming in France and Italy. Thank you for your generous support.



The Honor Roll recognizes new gifts to the department January -June of 2007. Contributions to the John V. Osmun Chair in Urban Entomology are included.

### Monarch Club (\$1000 up)

Anonymous (2)

### Honey Bee Club (\$500-\$999)

Anonymous (4)

B & G Equipment Company  
Frank K. and Christine Harder  
Mrs. Bernice and Dr. Keneth W. Kirby  
David K. Mueller  
Dr. Eldon and Mrs. Margene Ortman  
Dr. John V. and Mrs. Dortha E. Osmun  
Harold Stein Jr.

### Firefly Club (\$101-\$499)

Dr. Clarence A. Callahan  
Michael J. and Helen L. Corbitt  
David D. and Susan D. Hogg  
Indiana Arborist Association, Inc.  
Eliphalet A. Kelly  
Dr. John J. McHugh, Jr.  
Karen McIntosh-Bernard  
Dr. Erick L. Pang  
Dr. Brian M. Schneider  
John M. and Mary K. Thieme

### Mayfly Club (up to \$100)

Dr. Luis A. Canas and  
Ms. Nuris M. Acosta  
Kenneth Bell  
Dr. Marlin Kent Bergman  
Norman O. Besheer  
Larry W. and Janet E. Bledsoe  
Mary C. Clark  
Leslene Y. Cruz  
Dr. Gerard J. Florentine  
Dr. Robert L. and  
Geraldne M. Gallun  
Bruce A. Godby  
Dr. John W. and Mary M. Hart  
Dr. Joseph E., Jr. and  
Mrs. Rosemarie Huesing  
Nickie W. and Janee N. Kile

(Mayfly Club continued)

Dr. Michael L. and  
Katherine A. McManus  
Dr. Harry B., Jr. and  
Mrs. Nancy Moore  
Mussa Muhammad  
Judy Ann Neff  
Rebecca S. Pankiw  
Hilary Sarah Parker  
Nathan J. Renie  
Edwards S. Saugstad  
Fritz W. and Anne T. Schumann  
Frank E. Skinner  
Dr. Eric H. Smith  
Robert S. Trueman M.D.  
Dr. Tianqi Wang and  
Mrs. Yueping Xu  
David C. W and Mary C. Weber  
David O. Wietlisbach

## Outreach Update

### Insect Theater

*Science on Six Legs: An Insectaganza of Education* was attended by 956 fifth graders from 15 schools in the Greater Lafayette area. **Tom Turpin** collaborated with Purdue



Betty Bee and friends

Convocations to launch *Insect Theater*. Songs and dances designed to communicate both the benefits and threats associated with insects were used. One of

the key concepts touched upon was the threat that invasive insects represent. The program is comprised of a full day of insect activities designed to engage the students in a variety of ways. Other components of the program are *Quiz Bowl*, hosted by Tom Turpin and **Arwin Provonsha**, *Insect Dissection*, led by **Jon Neal's** ENTM 105 students, entomology graduate and undergraduate students, and *Insect Biology*, presented by **Matt Ginzel**.

## Chicago Bug Bash

In July, the Chicago Museum of Science and Industry (MOSIC) hosted Bug Bash, an event modeled on the department's annual Bug Bowl, a part of Purdue's Spring Fest. Arwin Provonsha and Tom Turpin traveled to Chicago, toting the Roachill Downs racetrack with Assistant Roach Ranglers, **Tabby Carroll**, **Kristi Jukovich**, and **Nitsa Martinez**. An insect petting zoo, a cricket spitting event, and the extensive insect collection of Dan Capps (Guinness cricket-spitting world record holder) were also part of the program. MOSIC plans to host the event again in 2008.

## Summer Camps

Arwin Provonsha and undergrad assistant **Jonathan Larson**, traveled to New Lebanon, Indiana to provide a live insect program to youngsters attending the Lafayette Urban Ministry (LUM) summer camp. Ninety LUMsters, along with Indiana State Representative Joe Micon, were entertained and engaged by the lively presentation.

In August, Arwin presented at the School of Food and Nutrition sponsored, Camp Calcium. He also led a Wetlands Workshop for seventh and eighth grade members of 4H from Indiana and Illinois. Using a creative and unusual role playing activity, he taught students about the importance of aquatic insects in the wetland habitat.

or plant breeding/genetics for innovative research that contributes significantly to knowledge of plant resistance to insects. The annual award consists of a plaque and a research grant, the amount of which is based on the earnings from the investment. Philip was presented with the award in December at the ESA Annual Meeting in San Diego. Philip is a PhD candidate working with **Brandi Schemerhorn** in the area of population genetics.



Andy Ammons

Winifred Beatrice Bilsland, provides support to outstanding PhD candidates in their final year of doctoral degree completion. Andy works with **Greg Hunt** in the area of honeybee behavioral genetics. After receiving his PhD in spring of 2008, Andy would like to pursue an academic career as a professor.

**Andy Ammons** was selected to receive Bilsland Fellowship funding for the Fall 2007 and Spring 2008 academic semesters. The fellowship, a University program in honor of

## Entomology Students

### Scholarships and Awards



Philip Morton

**Philip Morton**, has been selected to receive the Kenneth and Barbara Starks Plant Resistance to Insects Graduate Student Research Award. The grant is awarded to a graduate student in entomology



Jody Green

working with **Gary Bennett**. Her research topic is Horizontal Transmission of Fipronil in Colonies of Subterranean Termites *Reticulitermes flavipes*. Jody plans to graduate in May 2008 and pursue employment in the industry side of urban entomology.

**Jody Green** (MS '04) received a scholarship from Pi Chi Omega, the national professional pest control fraternity. Jody is an Urban Entomology PhD candidate

## College of Agriculture Scholarship Awards 2006-2007

**Randall Boles**, Holton, IN  
*J. Kelly O'Neill and Margaret Ritchey O'Neill Memorial Scholarship*

**Kevin Norman**, Dyer, IN  
*College of Agriculture Award of Excellence*

**Jonathan Larson**, Tipton, IN  
*Rex Hall Memorial Scholarship*

**Amy Lockwood**, Succasunna, NJ  
*Rex Hall Memorial Scholarship*

**Anthony Oliveira**, Highland, IN  
*Scholarship Award of Excellence*

**Kristi Jukovich**, Valparaiso, IN  
*Don Schuder Memorial Scholarship*

**Caitlin Race**, Griffith, IN  
*College of Agriculture Award of Excellence*

**Tyler Reynolds**, Noblesville, IN  
*College of Agriculture Award of Excellence*

**Amber Vinchesi**, Pepperell, MA  
*Parker Memorial Scholarship in Agriculture*

**Shauna Stapleton**, Springfield, OH  
*Elsie L. Gruel Scholarship*



Student Drawing by  
Katie Buckley

## Wiener Schnitzel, Spaceships, Monkeys, and Termites - Oh My!



Margaret Schwinghammer

It seems that ever since a young age, I've had an insatiable desire to explore and experiment. As a child, I was intrigued by butterflies for a while, then it was bird-watching, then mixing concoctions like a chemist was a favorite activity, and there was a period where I wanted nothing more than to see elephants on a safari.

In high school I studied German because the school had a year-long study abroad program in Austria. My junior year I waved 'bye' to Mom and Dad and boarded a plane for Europe, where nine other students and I covered every inch of the continent we could reach.

As an undergrad, I majored in German and Biology at St. Olaf College (yes, like in Golden Girls). I spent the summer of my freshman year in Lithuania, during which time I was able to visit several of the European countries that I couldn't reach during my studies in Austria. "Can someone get a degree in travel? No? That's too bad."

The next summer I spent in Huntsville, Alabama, working with a researcher at NASA. I learned about protein crystals and how they are hypothesized to form in microgravity. It was a good lab introduction, and the beginning of my education in molecular biology.

In my senior year of college I spent a semester in India, and had the time of my life while completing two research projects, one involving entomopathogenic

fungi in Chennai (my introduction to entomology) and the second examining primate troop behavior. I followed a troop of langurs tromping through the jungle. I also visited Nepal where a couple friends and I climbed the foothills of the Himalayas.

Once I got back from India, I started looking at graduate schools. Knowing that I was interested in animal behavior, a professor suggested I check out insect behavior. That's how I met the eastern subterranean termite. I worked with Dr. Richard Houseman of the University of Missouri on termite social behavior for my Masters degree, examining termite responses to disturbances at feeding sites. This applies to how termites react when bait stations are pulled out of the ground for monitoring. I completed my Masters in 2004 and then headed off to Purdue University to start my PhD.

I now work under the direction of Dr. Gary Bennett in Urban Entomology. I'm currently investigating how a gene affects trail-following behavior, and I'm getting to put my molecular skills to the test. Using RNA-interference, I'm able to silence a specific gene and monitor for changes in behavior. I have been fortunate to work with Dr. Mike Scharf (University of Florida) for months at a time to accomplish this goal. Also, involvement in the business and industry side of urban entomology has provided excellent opportunities to investigate a variety of career paths I hadn't previously considered.

I haven't been able to do much world-wide exploration in recent years, but on the other hand, staying local has allowed me to focus on activities with my friends: spitting crickets at the State Fair, running a half-marathon, breaking boards in Tae Kwon Do, canoe racing, cave spelunking... exploration of a different kind.

In closing, I'd like to address the two most commonly asked questions: "How's your thesis coming along?" and "Do you have a job lined-up yet?" The answer to both is, "I'm working on it, stay tuned!"

~Margaret Schwinghammer~

## New Students in 2007

**Undergraduates:** **Randall Boles**, freshman from Holton, Indiana; **Kali Donohue**, freshman from Spencer, Indiana; **Nathan Fishburn**, freshman from Denver, Indiana; **Gary Frazier**, freshman from Hillsboro, Indiana; \***Kevin Norman**, freshman from Dyer, Indiana; \***Anthony Oliveira**, freshman from Highland, Illinois; \***Caitlin Race**, freshman from Griffith, Indiana; \***Tyler Reynolds**, freshman from Noblesville, Indiana; **Steven Smith**, freshman from Bluffton, Indiana.

**Graduate Students:** **Eva Chin**, MS candidate from Indianapolis, Indiana; **Kathryn England**, MS candidate from Milligan College, Tennessee; **Gloria Giraldo**, PhD candidate from Cali, Columbia; **Alisha Johnson**, PhD candidate from Lafayette, Indiana; **Autumn Nance**, MS candidate from West Lafayette, Indiana; **Kapil Raje**, PhD candidate from Maumbai, India; **Nicholas Seiter**, MS candidate from West Lafayette, Indiana; **Emily Shebish**, MS candidate from West Lafayette, Indiana; **Annie Spikes**, MS candidate from West Lafayette, Indiana.

\***Dean's Scholar:** *First semester students who received an Award of Excellence Scholarship. The award criteria is based on high academic achievement in high school.*

## Alumni News

**Omprakash Mittapalli** (PhD '06), was awarded a fellowship from the Alexander von Humboldt Foundation. He was also selected as Purdue's nomination for the Council of Graduate Schools/University Microfilms International Distinguished Dissertation Award. Omprakash, a post-doc at the Max Planck Institute for Chemical Ecology, is a group leader for Dr. Ian T. Baldwin in the Department of Molecular Ecology. **Andrew P. Michel** (BS '01) accepted a faculty position in insect molecular population genetics with the Department of Entomology at Ohio State University. **Larry P. Pedigo** (MS '65, PhD '67) was honored by the Entomological Foundation for his outstanding commitment to entomology and contributions in the areas of integrated pest management, bio-

economics, and insect population ecology. The award was presented at the Annual Benefit Dinner and Dance in San Diego. **Kris Wyckhuys** (PhD '05) accepted a post-doc position as program leader at the Horticulture Research Centre of Universidad Jorge Tadeo Lozano in Bogota, Columbia. **Eric Rebek** (PhD '04) accepted an Assistant Professor position at Oklahoma State University in the Department of Entomology and Plant Pathology. **Kim Rebek** (MS '04) is the new host of Oklahoma State University Extension's television program, *Oklahoma Gardening*. **Rick Brandenburg** (BS '77), entomology professor, has been named a William Neal Reynolds Professor in the College of Agriculture and Life Sciences at North Carolina State. **Joao Pedra** (PhD '04) received the Mentored Research Scientist Development Award (K01) from the Center for Disease Control. Joao is a junior member of the research faculty in the Section of Infectious Diseases in the Department of Medicine at Yale. **Mike Kanost** (PhD '83) was selected as one of nine Distinguished Ag Alumni in 2008. Mike also received the 2007 ESA Recognition Award in Insect Physiology, Biochemistry and Toxicology. The inscribed plaque was presented at the annual ESA meeting in San Diego.

**Robert Anderson** (MS '66, PhD '68) is Professor Emeritus after 38 years in Biological Sciences at Idaho State University. Robert has several Purdue Memories to share with



Robert Anderson

fellow alums. "**John Burton** (MS '64), **Bill Butt** (BS '53) and coffee at 3 AM; roommates and friends **Ed Saugsted** (MS '67), **Wally Albertin** (PhD '68), **Jerry Wood** (MS '65) (among others); we resided just across from Ag Hall, S-O-O-O convenient; we talked of the 'dept' and the 'apt'; the 'Bull Pen' in Ag Hall that so efficiently housed graduate students, and bats flying the upper hallway of Ag Hall at night; waking John Osmun from bed one early Sunday morning upon my arrival in Lafayette, but mostly recall his superb leadership....and his attractive, popular and capable secretary, Trudy; as a TA my first two years, the inefficiency

of constructing then breaking, numerous boxes of insects on a regular basis as prep for beginning entomology classes; the organized and invaluable instruction of the highly-skilled communicator, Leland Chandler; the fine guidance and professional insights of Don Paschke. Fellow students **Bill Denton** (MS '70, PhD '73), Wayne Brewer, **Harold Toba** (PhD '66), **Max Summers** (PhD '68), **Clint Kawanishi** (PhD '71), to name just a few; and the Cell Biology lab where I met Marianne (PhD Purdue), my wife of 40 years. I'll sign-off here as 'Chag' (short for Chagas), for those alumni who were there at the time and read this."



G. Earl Huff (Age 31)

Nut Growers Association. Earl and Marjorie, his wife of 60 years, live in Arkansas.

**Jolene Hurt** (BS '04) has been working as an Agriculture Specialist for Customs and Border Protection at the San Francisco International Airport for almost three years. She enforces USDA laws and regulation with inspection of arriving international passengers and commercial cargo shipments for prohibited agriculture items such as fruit, meat, insects, and plants.

**Barbara Nead-Nylander** (BS '87) recently moved to Midland, Michigan and works for Dow Chemical in Human Resources Development. She previously worked for Dow AgroSciences in Indianapolis. Barb really enjoys the many outdoor activities in Michigan and continues to drive back to Lafayette for home football games.

**Kim Hutcherson** (BS '90, MS '95) recently accepted a promotion to National



Kim Hutcherson

Sales Manager for Belterra Casino Resort & Spa. She has been with Belterra eight years in the Sales Department. Kim remembers **Dr. York** and **Dr. Turpin** quite fondly. Her children have tried sauteed meal worms and grasshopper brownies. She also remembers working in the tobacco worm studies with *E. coli* and having to put them to sleep on ice and then draining the green blood that took forever to fill a vial, "what a fun job that was." Then, there were the Madagascar cockroaches that got loose in her 4x4 and her mother bug bombing it.... but they were handy in the dorm saving a washer/dryer because no one would touch them. Kim is married and her children (daughter Cameron '8' and son Conner '7') are both budding entomologists.

**Julie (Miranda) Longland** (BS '02) returned to entomology two years ago after a brief defection to get an MS in Plant Pathology at North Carolina State University. She has been working as a research scientist in Global Insecticides for BASF, which seems to be a good place to meet other Purdue entomologists, Rianna Arcinas and **Doug Anspaugh** (BS '89). Julie enjoyed Dr. Turpin's "Insects in Prose and Poetry," and still remembers Dr. York's demo with fruit flies and the evil effects of chewing tobacco, or rather, nicotine as an insecticide. She remains indebted to Drs. Oseto and Foster for getting her into entomology in the first place as a NSF Young Scholar.

**Nicole (Mason) Hendrickson** (BS '96) is the manager for Mark M. Holeman, Inc, Integrated Pest Management in Indianapolis. She is currently president of the Indiana Green Industry Alliance and past president of the Indiana Professional Lawn and Landscape Association. Nicole reflects that she has always been fascinated by insects, but hates spiders. "This year at the state fair, Tom Turpin got me to hold one of the tarantulas. I almost cried, but I can say that I did it!"



## March

24-27 NCB - ESA, Columbus, Ohio

## April

- 1 Nominations Due - 2008 J.V. Osmun Alumni Award
- 12-13 Spring Fest / Bug Bowl
- 21 Distinguished Ag Alumni - Mike Kanost (PhD '83)

### *From the editor*

With each issue of **Entomology @ Purdue** we keep you up to date on what's happening in the Department of Entomology and with Alumni. Won't you please take a moment to help keep us up to date with you?

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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.entm.purdue.edu/alumni](http://www.entm.purdue.edu/alumni)>