

Entomology@Purdue

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Forest Entomology at Purdue

The health of urban and production hardwood forests in the United States is increasingly threatened by indigenous and invasive wood-boring insect pests. For example, thousands of trees had to be removed from areas of New York, Illinois, and New Jersey affected by the Asian longhorned beetle (ALB), an invasive cerambycid native to China. Establishment and spread of ALB in the US was once predicted to result in the loss of more than one billion trees with an economic impact of \$700 billion. Moreover, the emerald ash borer, an exotic buprestid introduced from Asia, is currently spreading throughout the Midwest with devastating effects. If the emerald ash borer is not controlled, over 147 million trees are at

lives concealed beneath the bark of trees, they are physically protected from sprayed pesticides.

The sustainability of Indiana's forests is vital to the state's economy, and for forestry to become an even more profitable and viable commodity, it is important to understand the host selection and colonization behavior of these insect pests. In the Forest Entomology Laboratory, we seek to understand the chemical basis of host location and mate recognition strategies of wood-boring insects. The long-term goal of my research program is to develop novel pest management tactics targeting the chemically-mediated mating system of the beetles.



Brad Barnd: Observing larvae



Annie Spikes: Sampling contact pheromones

risk in Indiana alone. Although the destructive potential of these invasive species is staggering, increases in global trade will undoubtedly only further jeopardize the quality and productivity of forests in Indiana and throughout the nation. In addition to invasive species, Indiana's forests are attacked by a variety of native insect pests. For example, damage by the peach bark beetle, *Phloeotribus liminaris*, significantly reduces the value of black cherry trees. In response to attack by beetles, the tree produces a defensive "gum" which stains the wood, making it undesirable for veneers. Unfortunately, the destruction caused by wood-borers is made worse by the difficulty in controlling their populations. Because borers spend the majority of their

Brad Barnd (MS '07) joined my group in the summer of 2007. He is a native of Indiana and pursuing a PhD in the Department of Forestry and Natural Resources. Brad was also awarded a prestigious Fred M. van Eck scholarship through the Hardwood Tree Improvement and Regeneration Center at Purdue. Brad is studying the host colonization and mating behavior of the peach bark beetle and interested in identifying pheromones and host compounds that may be mediated by these behaviors. Information on the identity of these chemical signals would undoubtedly improve the efficacy of monitoring programs and enhance management strategies. In fact, traps used

(Continued on page 2)



Steve Yaninek

From the Head Bug

The JJ Davis Years:1920-1956

During the 36 year career of JJ Davis, the department evolved from a small service unit into a fully functional department. The faculty grew from 3 instructors (J. Troop, W.A. Price, and JJ) teaching service courses and conducting a limited amount of research in 1920, to 9 faculty by the mid 50s with responsibility for a growing student population, 2 new undergraduate curricula, a new graduate program, and expanding extension and research portfolios.

The entomology major was finally established in 1928, but 11 BS and 7 MS degrees were credited to the department prior to that time, probably granted either under natural history or as a special course in entomology. After the major was established, the first BS in entomology was awarded to Kenneth Haines in 1929, while the first BS in structural pest control, established in 1946, was awarded to Harlan Shuyler in 1949 (he also received the first MS and PhD in structural pest control in 1950 and 1954). The first PhD was given to George Gould in 1942 for his research on the striped cucumber beetle. By 1954 entomology had awarded 86 BS degrees (38 did graduate work yielding 27 MS and 4 PhD degrees, and one professional degree in medicine). Course offerings expanded from 5 in 1920 to 31 in 1954, taught mostly by JJ Davis, B. E. Montgomery, Howard Deay and John Osmun. The entomology student organization started in 1928 was renamed the Thomas Say Society in 1931.

Extension entomology at Purdue began during this period. Glen Lehker was hired

in 1936 as the first full time specialist, and became famous for his “chalk talks.” He also developed a 4-H entomology club program in Indiana that became the model for the national program. Other faculty with extension responsibilities included B.E. Montgomery for bees, Don Schuder for ornamental plant pests, and John Osmun for urban pests. Carlyle Carr followed by Galen Oderkirk, then later Milton Caroline and Bill Fitzwater, were part of a US Department of Interior presence in the department working on rodent control that continues today as the USDA Wildlife Conflict Management program. JJ brokered a special relationship with the pest control industry predicated on increasing competency through training. The first Purdue Pest Control Conference was held in 1937. It attracted 68 pest control operators from 14 states. Eighteen years later, it had grown to 300 PCOs from all across the country. JJ also started the first recorded outreach activity for children with his program to introduce Chinese mantids in Tippecanoe county in the 1920s.

The research portfolio grew substantially after the end of WWII and the advent of synthetic pesticides. The focus was on general crop protection, Hessian fly host plant resistance and structural pest control including flies, termites and soil inhabiting insects, plus the new arrivals - European corn borer (1926) and Japanese beetle (1934). By 1956 the research core faculty were Howard Deay, George Gould, G.E. Marshall, B.E. Montgomery, Curt Wilson, R.T. Everly and Don Schuder. After WWII, USDA augmented their research on Hessian fly with Robert Gallun, who stayed nearly 4 decades, and moved the unit along with W. B. Cartwright and E. V. Walter into the department in 1956 – the same year USDA and USDI scientists became adjunct faculty. The foundation of the department we know today was in place by 1956 when JJ retired and John Osmun became head.

~Steve Yaninek~

in monitoring programs are often baited with general woodborer attractants, namely α -pinene and ethanol. Another aspect of his project focuses on the relationship between environmental stress and the susceptibility of black cherry to attack by the beetle.

We are also interested in the mating systems of longhorned beetles. In fact, **Annie Spikes** has been exploring the chemically-mediated mating behavior of a primitive cerambycid *MalloDON dasystomus*, the hardwood stump borer. Annie hails from Texas and joined the lab in the summer of 2007 to pursue an MS in Entomology. In the short time she has been here Annie has discovered that males of this species recognize females by a contact pheromone layered on their surface. She also has evidence that female *M. dasystomus* release a volatile pheromone from an evertable sac on the ovipositor. Annie recently presented some of this work at the annual meeting of the North Central Branch of the Entomological Society of America and was awarded first place in the student competition.

Several undergraduates from the department have also been involved with my research program. **Jonathan Larson, Nicole Holmes, and Matt Paschen** have all spent time in the Forest Entomology Laboratory and we thank them for their help. In fact, Matt has recently decided to work in the lab this summer doing an independent research project.

Finally, the research efforts of the Forest Entomology Laboratory should ultimately be useful in establishing effective management programs, such as optimizing survey strategies, developing arboricultural techniques to bolster resistance, and improving methods for detecting invasive species. Understanding the chemical basis of host location and mate recognition strategies of wood-boring insects may also lead to the development of new control methods that will enhance the health, quality, and productivity of North American hardwood forests.

~Matthew Ginzel~

Department News

Departing Staff

Christian Krupke, Assistant Professor and Field Crop Specialist, returned to Canada to take a faculty position at the University of Guelph, Ridgeway Campus. **Kurt Saltzman**

(MS '97, PhD '04) and **Kristin Saltzman** (MS '03) moved to Kansas in March. Kurt accepted a new postdoc position at Kansas State University. He was a postdoc with **Christie Williams** and Kristen was a lab technician for **Brandi Schemerhorn**. **Scott Charlesworth**, department web master, accepted a new web designer position in Champaign, Illinois.

Births

Ashleigh and **Philip Morton** (PhD candidate) welcomed their second daughter, Hazel Josephine, on March 27th. Connie and **Jeff Holland** had their second daughter, Gwendolyn Saige, on April 28th. Christine and **Matt Ginzel** are new parents to a daughter, Anna Marie Ginzel, born on June 8th.

Staff Promotions

Administrative/Professional Staff members of the Center for Environmental and Regulatory Information Systems (CERIS) received official announcements of promotion from the Dean's Office. **Michael Hill**, a Programmer/Analyst, came to the department in June 2005. **Charles Aaron** has been the VMS Systems Manager since September 2001. **Preston Wiley**, Network Services Specialist, has been with the department since December 2004. All were advanced to the next designated level of ranking for A/P staff in the College of Agriculture.

Faculty Promotions

Rich Shukle and **Christie Williams** were promoted to Adjunct Associate Professors. Rich is a USDA ARS research leader in the field of host-plant resistance. Christie, also with USDA ARS, is a pioneer in evaluating the molecular basis of host plant/insect interactions. **Linda Mason** has been promoted to Professor. Linda is a recognized authority in post-harvest and food industry pest management. **Cate Hill** has been granted tenure and promoted to Associate Professor. Cate is a leader in arthropod vector genomics and leads an international effort to sequence the first tick genome.

Awards

Virginia Ferris received the College of Agriculture Outstanding Graduate Educator award. She was also recognized for being selected as the Entomology Outstanding Graduate Educator. **Jonathan Neal** was selected as the Entomology Outstanding Undergraduate Counselor and the Entomology Outstanding Undergraduate Teacher. Jon was also recognized as a nominee for the Richard L. Kohls Outstanding Undergraduate Teacher and the David C. Pfendler Outstanding Undergraduate Counselor awards. **Amanda Pendleton** was recognized for receiving the Entomology Outstanding Service to Students award and as a nominee for Outstanding Service to Students in the College of Agriculture. **John Obermeyer** is a member of the Purdue Crop Diagnostic Training and Research Center group that won the 2008 Agriculture Team Award. The 13-member interdisciplinary team was honored at a reception in May.

Distinguished Ag Alumni



Michael R. Kanost

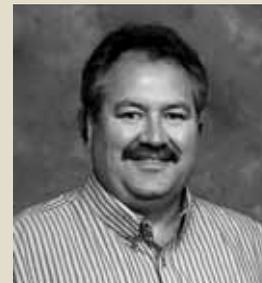
Michael Kanost (PhD '83) was honored as one of the 2008 Distinguished Ag Alumni recipients in March. Mike is a University Distinguished Professor and former Department Head in the Department of Biochemistry at Kansas State University, Manhattan, Kansas. Mike's major professor during his PhD program in Entomology at Purdue was **Peter Dunn**.

Mike has been a leader in expanding and truly transforming understanding of the biochemical basis of the insect immune response. Key to his success has been Mike's talents as a mentor and collaborator. He is the author or co-author of 122 refereed papers, review articles and book chapters including recent articles in *Science* (2007), *Nature* (2006), and *PNAS* (2006), and co-inventor on 2 awarded patents. He mentored 31 undergraduate research projects, 6 students who have completed the MS degree, 8 students who have completed the PhD degree, and 13 postdoctoral scholars who have initiated distinguished research careers of their own. Mike is a dedicated teacher of both undergraduates and graduate students, teaching courses ranging from General Biochemistry to various specialized graduate topics. Mike's resume documents his contributions as an unselfish citizen through service on departmental, college, and university committees and numerous grant review panels and editorial boards.

Mike finds time to be active in his church: singing in the choir, playing cello for special musical events, and delivering Meals-on-Wheels. In his community, he is an active volunteer for the Manhattan Track Club, high school track meets, the Manhattan Area Basketball Association, and serves as entomology leader for the 4-H Club.

Development Update

Vince Robert Parman Memorial Endowment



Vince Robert Parman

The Vince Robert Parman Memorial Endowment for Entomology has been established in memory of Vince Parman (BS '78, MS '81). Vince passed away in 2007 while in the final stages of completing his PhD degree in Entomology at North Carolina State University. He spent 26 years in pest management research and development. At the time of his death, Vince was Senior Research Scientist in Field Research and Development with Bayer Environmental Sciences, where he provided development and technical support in the area of urban pest management.

Vince's parents, Don and Nadyne Parman of West Lafayette, IN and Vince's widow, Joanne Canganelli of Cary, NC collaborated to establish this special memorial legacy at Purdue. The endowment will initially provide support for graduate students in the department. As the value grows over time, it is the intent of the family to launch a new Vince Robert Parman Memorial Lecture Series in Entomology.

John Osmun recalls Vince Parman as one of Curt Wilson's graduate students and described Vince as "a fine young man who went on to be a successful representative for his company and he was always a splendid credit to Purdue. Vince made the switch from agricultural entomology to urban entomology by study on his own. His early death was a loss to us all."

Vince was a member of the Entomological Society of America and belonged to Pi Chi Omega Fraternity of Pest Control.



The Honor Roll recognizes new gifts to the department July-December 2007. Contributions to the John V. Osmun Professorship in Urban Entomology are included.

Monarch Club (\$1000 up)

- Dr. John M. and Jan P. Owens
- Dr. Robert D. and Karen M. Tarver
- Dr. Eldon E. Ortman
- Mr. C. W. Bartholomai
- Burr Chemical Company, Inc.
- Ms. Joanne L. Canganelli
- Mrs. Judy Dold, Rose Pest Solutions
- Antimite Termite and Pest Control
- Mr. Russ Ives, Rose Pest Solutions of Troy, Michigan
- Mr. Brock J. Dewey
- Western Exterminator Company
- Terminix International Co
- O. Wayne Rollins Foundation

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

- Indiana Arborists Association
- Mr. Dennis A. and Mrs. Barbara S. Rone
- Dr. Bruce F. and Mrs. Shirley J. Eldridge
- Mrs. Muriel S. Andrew
- Dr. Joseph M. and Mrs. Jimmie Marie Brown
- Mr. David B. Hogg
- Mr. Mark B. Weisburger
- Dr. Harry B. Jr. and Mrs. Nancy Moore

Firefly Club (\$101-\$499)

- Anonymous
- Dr. Betty M. Suddarth
- Harbor Pest Control, Inc.
- Mr. David and Mrs. Ann Denslow Fincannon
- Mrs. Bernice B. and Dr. J. Kevin DeMarco
- Dr. Michael D. Culy

Mayfly Club (up to \$100)

- Dr. Juliana F. Garcia
- Mr. Tony L. Smolek
- Mrs. Suzanne M. Gens
- Mr. Robert M. and Mrs. Joyce E. Brattain
- Dr. Benjamin A. Legaspi Jr. and Dr. Jesusa C. Legaspi

Outreach Update

Summer Readers go Buggy for Books

This spring, department members noticed quite a few requests for talks in their in-boxes under the subject heading *Catch the Reading Bug!* That is because of a reading initiative created by a consortium of 44 states involved in an effort called the Collaborative Summer Library Program. The goal is, quite simply, to encourage children to read over the summer to retain and sharpen their reading skills. We have received numerous requests from regional librarians anxious to include an entomological presentation in their library's summer reading program. Needless to say, it was impossible to find presenters for all of these talks, so we collaborated with individuals at the Tippecanoe County Library and the Indiana State Library Association to develop a type of program that would meet the needs of librarians state-wide as well as be an efficient use of the resources of Purdue University and the Indiana system of libraries. A short film was developed and produced. The program is based upon the meeting of an entomologist and a librarian who are invited to visit a summer camp and share their love of insects and books respectively. The film was edited and distributed to participating libraries by the end of May. To date, libraries from Wyoming, Wisconsin, Arizona and North Carolina have contacted us to say they have used the DVD in presentations to their summer readers. Be sure to watch for it at a library near you!



Camp Bookworm: A clip from the video produced in collaboration with Purdue University and members of the Indiana library system. **Tom Turpin** has a bag of live insects to show while the librarian describes a story to eager listeners about each bug.

Mayfly Club (continued)

- Mr. Jack E. and Mrs. Elizabeth J. Naugle
- Mr. Kenneth W. and Mrs. Linda L. Ash
- Dr. Clinton Y. Kawanishi
- Dr. Forrest L. and Mrs. Donna J. Oliveria
- Dr. James F. Dill and Ms. Jane A. Murray
- Mr. Christopher D. Harlow
- Mr. Dale D. Stanton II
- Mr. Glen Edward Williams
- Mr. Nathan J. Renie
- Mr. Robert and Mrs. Janet Millard Shands
- Mrs. Pamla L. and Mr. Michael G. Mackey
- Dr. Erik Stephan Runstrom
- Mr. Norman O. Besheer
- Mr. Eric M. McDonald
- Mr. Eric and Mrs. Cara C. Putman
- Mr. Frank E. Bohman Jr.
- Mr. Frederic and Mrs. Dolores Barton Goldberg
- Mr. Gregory L. and Mrs. Sandra L. Davies
- Mr. Richard E. and Mrs. Louella F. Shade
- Mr. Steven R. and Mrs. Denise M. Parman
- Mr. Thomas B. and Mrs. Luz G. Barlow
- Robert S. Trueman M.D.



*Stink bug (Pentatomidae).
Graphite pencil on drafting film
by Terry Hactor, Undergraduate Student*

Entomology Students

2008 ESA-NCB Student Competition



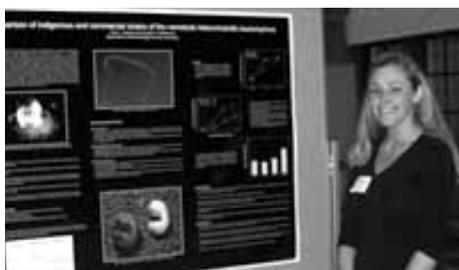
Annie Spikes



Alana Jacobson

Annie Spikes won first place for her paper on “Chemically-mediated mate recognition in the primitive longhorned beetle *Malldodon dasystemus* (Say)” in the MS category in Session I. Annie’s advisor is Matt Ginzl. **Alana Jacobson** won second place for her poster on “Status of pyrethroid resistance in Indiana and Illinois populations of *Helicoverpa zea*” in the MS category. **Rick Foster** is Alana’s advisor.

Undergraduate Research Symposium



Top Honors: Entomology senior Terri Hoctor shows her poster on white grub biological control research.

Terri Hoctor, a Senior in the Department of Entomology won top honors in the College of Agriculture for her poster “Comparison of indigenous and commercial strains of the nematode *Heterorhabditis bacteriophora*.” Terri independently conducted a series of laboratory and field studies aimed at characterizing and comparing the virulence and reproductive potential of locally collected and commercially available strains of the entomopathogenic nematode *H. bacteriophora* to determine if these traits

2007- 2008 Student Scholarship Awards Presented



2007-2008 Scholarship Award Recipients: Over \$50,000 of scholarship funds were awarded to 39 entomology students at the 72nd Annual Pest Management Conference in January.

predicted efficacy against larvae of the Japanese beetle under field conditions. The poster was presented at the undergraduate research symposium held March 31st at the Purdue Memorial Union. Terri worked with Doug Richmond in the Turfgrass Entomology and Applied Ecology Laboratory in the Department of Entomology.

Awards Bonanza

Shauna Stapleton arrived in Smith Hall in the fall of 2004 saying that she wanted to be a veterinarian but liked insects and wanted to spend her pre-vet time in the Entomology Department. She also said that she was on the varsity soccer team, something one might have suspected from her e-mail address “soccerbeastusa@.”

Thus began the experience of class scheduling to meet the pre-vet/entomology curricula while avoiding conflicts with soccer practice and games, a process aided by the fact that Shauna is an excellent student with a strong work ethic and superb time-management skills. This outstanding mid-fielder’s career culminated last fall as captain of the soccer team, helping the team achieve the Big Ten championship with ten goals and eleven assists, a top ten national ranking, and an NCAA berth. In April, this Academic All-American was selected as the Flora Roberts Award winner for the outstanding senior woman of Purdue based on scholarship, leadership, service, and charac-

ter. She received the Big Ten Medal of Honor for her exemplary academic and athletic performance, the Varsity Walk Award as an outstanding senior varsity athlete bringing national recognition to Purdue, Outstanding Sophomore Student in Entomology, and Outstanding Junior Student in Entomology. She has been on the Dean’s List each semester of her Purdue tenure and was inducted into the Mortar Board National Honor Society in 2007. Shauna also led the list on the Hall of Fame Network website for “The 15 Best Student/Athletes You’ve (Probably) Never Heard of.”



Maymester in Costa Rica: Shauna with fellow students watching a toucan at Guyabo National Park this spring.

Shauna, who is fluent in Spanish, was one of the students who traveled to Mexico with Steve Yaninek to study the overwintering of the monarch butterfly. As soon as she returned from a Maymester Study Abroad trip to Costa Rica this spring, she was off to serve a six month internship in entomology at Walt Disney World in Orlando. In spring of 2009 she will study and conduct research as part of a Study Abroad in Spain.

Graduate Student Award for Outstanding Teaching



Carolyn Foley: Teaching award presented to Carolyn at the awards banquet in April.

Carolyn Foley, a MS student working with **Jeff Holland**, received the Purdue University Graduate Student Award for outstanding teaching at the Celebration of Graduate Student Teaching banquet.

2008 Spring Graduates

Undergraduate Students:

Ruth Allhands
Jay Bailey
Robert Bruner
Tabby Carroll
Jennifer Gordon
Terri Hoctor
Nicole Holmes
Kristi Jukovich
Nitsa Martinez
Gregory McGraw
Jacob Rowland
Brandon Smith

Graduate Students:

Carolyn Foley, MS, taking a year off for international travel.
Thelma Heidel, MS, accepted to PhD program at University of Minnesota.
Alana Jacobson, MS, accepted to PhD program at North Carolina State University.
Margaret Schwinghammer, PhD, accepted position as Research Analyst at the Center for Naval Analyses.
Wan-Tien Tsai, (MS '05), PhD, pursuing Post Doctoral Research position and then return to China to become a professor.

Jody in Wonderland



Jody Green

I grew up as Jody Aleong in Kitchener, Ontario, Canada. I was – and am – the rebellious, inquisitive, firstborn child, born to parents of Chinese decent and Caribbean culture – both of my parents were raised in Trinidad. My father is a veterinarian so it was common to have a house full of stray or wild animals, often injured ones. I became desensitized to surgeries, blood and guts, parasites, and death. As a kid, I aspired to be the other Dr. Aleong and become a veterinarian like my dad. However, things changed and now it appears I will be Dr. Green, the urban entomologist. My husband, Rodney will be the other Dr. Green, the food scientist.

I study the bugs that people love to hate but I deal with people who hate the bugs. My interest in entomology evolved from my background in pest control. My interest in pests began during my days at Sir Sandford Fleming College, located in the small town of Lindsay, Ontario. I am an alumna of the last graduating class of the college's two-year Environmental Pest Management Program.

The thing I enjoy most about this profession is that there is never a boring day. With each day comes a new challenge, an opportunity to improve a situation, and help others protect the things that are most important (environment, property, public health, and food). I left Canada to gain a greater understanding of entomology so that together with my previous experience, I could return to the pest management in-

dustry and do really useful things. Internet searching led me to the email address of Dr. **Gary Bennett**.

I've been a student in the Department of Entomology for so long that people sometimes jokingly ask if I'm on the tenure track. I blush a bit to reluctantly admit that I have assumed the role of the most senior grad student. By the time I graduate in May 2008, I will have experienced one year of undergraduate coursework, two years of a MS program, three years of marriage, four years of a PhD program, five annual ESA meetings, six Bug Bowls, and seven Purdue Pest Management Conferences. Fortunately, as much as I love Purdue, there won't be eight of anything. I certainly covered a lot of ground in terms of personal and professional growth, and I've also laughed and had more fun that I ever thought possible.

My life outside the lab has been crammed with amazing experiences and extraordinary people. As my major professor would agree, I am first and foremost a social creature. I like facilitating and participating in events where people can come together; if I have a special talent it is my ability to recruit and inspire others to get involved in things like outreach activities and charity events. My fellow grad students, all good sports, have certainly humored me, joining me in a lot of memorable adventures.

Some of the unforgettable things I experienced during my time here at Purdue include: skydiving over Indiana and all its corn, winning a State Fair ribbon for cricket spitting, sharing a Sagamore lunch with Dr. Osmun, participating in the O. Wayne Rollins/Orkin Endowed Chair reception, getting married to a wonderful guy I met at Purdue, roasting Dr. Bennett during his induction into the Pest Control Hall of Fame, editing scripts for NPR's *A Moment in Science*, running the Indianapolis Mini-Marathon, racing Voyager Canoes down the dirty Wabash River, growing spinach in the Village Gardens, guest-lecturing in entomology classes, babysitting, working out at the Co-Rec, and publishing books with Dr. **Larry Murdock** and my classmates.

~Jody Green~

Alumni News

Steve Yanoviak (MS '93) is now an assistant professor of biology at the University of Arkansas in Little Rock. **Michael L. McManus** (MS '62, PhD '66) retired from the USDA Forest Service in March after 40 years of service. Mike has been awarded an "Emeritus Scientist" designation by the Northeastern Research Station, an honorary status that recognizes those scientists who have made significant contributions to forestry research. **Jeff Webb** (PhD '07) accepted a CSIRO postdoc with Dr. P. Suter of La Trobe University in Australia. **David Mueller** (BS '75) declared his candidacy for Indiana State Senate, District 21. **Jami Guenther** (MS '05) has been named regional technical and quality representative for Rose Pest Solutions' western Michigan and Indiana operations. **Elizabeth Grafton-Cardwell** (MS '80) received the Albert G. Salter Memorial Award from the California Citrus Quality Council for her entomological research and her extension citrus integrated pest management work. **Frederick W. (Rick) Kutz** (PhD '72) recently received a Lifetime Achievement Award from Towson University, Towson, Maryland. Rick retired as Senior Research Scientist from EPA after more than 33 years of federal service. **Lyndsay Knoblock-Fast** joined Whitmire MicroGen in St. Louis, Missouri as an Animal Health Field Specialist. Lyndsay was previously a research assistant at the Center for Vector-Borne Disease, University of Rhode Island in the Department of Plant Sciences. **Omprakash Mittapalli** (PhD '06) accepted a faculty position at The Ohio State University, Columbus, Ohio.

John H. Greve (PhD '63) retired as a professor in the College of Veterinary Medicine at Iowa State University where he received several teaching awards, including Professor of the Year. He also held office positions in the Annual Midwest Conference of Parasitologists and in the American Association of Veterinary Parasitologists. John remembers professors John Osmun and George Craig, who commuted from Notre Dame weekly to offer a course on medical entomology. The John Greve Lecture Series was established at Iowa State by veterinary students to bring in national experts. This year's lecture, organized and funded by students, will be the 11th annual event.

James Cameron Porter (BS '64) writes, "It was always fun to throw insect mounting pins at **Don Hall's** (BS '64, MS '67) neck



James Porter

in Dr. Montgomery's dissection lab. From what I have heard of his career it certainly did no harm. I left entomology in 1992, took up oil painting in 1998 and have paintings in several galleries. In 1992 I married Sharon Langdon (Purdue '64) and would love to hear from anyone who remembers me."

Following is part of the Artist's Message on Jim's website <jamesporterart.com>.

"My friends know a bit about James Porter, but many of you know very little about the man behind the art. Art was not my first love or my second, for that matter. I have degrees from Purdue University in Entomology and the University of Baltimore in Business. I had a thirty-year career as an Entomologist. That would be the study of insects, in case you are wondering. A bug man as it were. During that time I was also a farmer, photographer, and part-time opera singer."

Franklin Laemmlen (MS '67) had a second retirement in September 2007 (first time was in August 2005) from the University of California Cooperative Extension, Santa Barbara County, where he served as a Farm Advisor 1980-2007 and County Director 1999-2005. Special moments he remembers are squeezing cattle grubs out of the backs of cattle at the Purdue Farm in southern Indiana and retrieving *Musca autumnalis* eggs from warm cow pies in the pasture. Dave Matthews was his mentor while at Purdue and Dr. Dobson was his major professor. Franklin and his wife Anne have 2 daughters and 5 grandchildren.

Ed Saugstad (MS '67) writes, "I was most pleased to see my old roomie, Robert Anderson, highlighted in the Fall 2007 *Entomology @ Purdue*. The article brought back

many memories, including taking Bob's pet tarantula for walkies in the free flight lab, where it jumped from my arm and split open when it hit the floor. I later was able to replace it with one that I collected in San Antonio.

Then there was the great midnight rat shoot at a nearby municipal dump after **Wally Albertin** (PhD '68) had proclaimed that a hunt there would be unproductive. He made a wager that the hunters (four, as I recall) would get no more than one rat apiece, and that he would pay them a dollar for every rat more than that number if he would get paid ten dollars for every rat fewer than four. I was in our apartment studying when at around 2AM I heard a racket on the stairs leading up to our door. The door burst open to reveal four grimy, grinning grad students grappling with a trash can full of dead rats! I give Wally his due; he paid up. **Clint Kawanishi** (PhD '71) and I met at Dr. Osmun's annual fall get-together, and after a brief introduction, Clint asked me what I was working on. I promptly was stricken with a brain cramp - it must've taken at least 30 seconds of stuttering and stammering before I could blurt out "*Rhopalosiphum maidis* (Fitch)!" I'm sure that Clint wondered just what sort of institution he'd wandered into. I will close by mentioning that I still have some regular contact with **John Burton** (MS '64), **Bruce Eldridge** (PhD '65), **Austin Frishman** (PhD '68), **Fred Goldberg** (BS '64), **Dave Milne** (PhD '68), and **Jim Tjepkema** (PhD '71), and recently heard from **Ed Mignot** (PhD '70) who currently is teaching in China."

Lawrence (Vin) Vinnedge (PhD '68) is retired and Professor Emeritus of Biology, Washington and Jefferson College, Washington, Pennsylvania. He continues to plan and lead wildlife safaris in eastern and southern Africa on an occasional basis as Washington and Jefferson College January courses (since 1985), and as independent travel consultant and trip leader as a retirement sideline. Vin remembers his major professor, B. Elwood Montgomery, and PhD thesis research on *Odonata* naiads at Purdue's southern Indiana Forage Farm with the much appreciated assistance of William Twiddy. His daughter, Malinda, is a trial attorney with the U.S. Department of Justice, Environmental Crimes Division, specializing in prosecution of the crime of ocean dumping.



Calendar

July

19 Tippecanoe County Butterfly Count

August

8-19 Indiana State Fair

15 Purdue Day at the Indiana State Fair

October

24 John V. Osmun Award Presentation

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. Photographs will be returned upon request.

To update your contact information online, go to:
<www.entm.purdue.edu/alumni>