



Entomology@Purdue

PURDUE
UNIVERSITY

What's Inside

**From the Head Bug:
Fifty Years of Entomology
at Purdue**

Department News

Development Update

Outreach Update

Entomology Students

Alumni News

Calendar

Turfgrass Entomology and Applied Ecology at Purdue

The Turfgrass Entomology and Applied Ecology Laboratory was established in the Summer of 2004 during a time of incredible growth for the Department of Entomology at Purdue. Since then, my (Dr. Doug Richmond) laboratory has been striving to bring a systems ecology approach to the science of turfgrass

in my laboratory aims to tackle both of these problems by gaining an understanding of how these systems work and how our management philosophies influence the structure and function of turfgrass ecosystems, while developing and optimizing alternative management strategies through integration



BOILERMAKER POSE: Members of the Turfgrass Entomology and Applied Ecology Lab strike the boilermaker pose after a day in the field caging Japanese beetles. (l-r) Terri Hocter, Walter Baldauf, Elspeth O'Neil, Autumn Nance, and Victoria Caceres.

entomology in order to meet the research needs of Indiana's and the nation's growing turfgrass industry.

Managed turfgrass covers an area of more than 15 million hectares in North America and this area continues to expand with development. Unfortunately, turfgrass also receives higher amounts of synthetic pesticides per unit area than any other agricultural system. Naturally, because we enjoy such a high level of contact with turfgrass, there is growing concern about the potential risks posed by pesticide exposure in areas such as lawns, parks, athletic fields, golf courses, and other green spaces. To some degree our heavy reliance on chemical tools to manage turfgrass reflects our lack of knowledge of the basic structure and function of these ubiquitous ecosystems, but is compounded by the lack of safe and effective alternatives. Work

of biological and cultural management tools. Although we are presently involved in several projects, my graduate students are taking the lead and making excellent progress on two studies of particular interest.

Victoria Caceres joined the lab in May of 2005 to pursue her M.S. in Entomology. Victoria is a native of Honduras and came to us from the Pan-American School of Agriculture (Zamarano), where she obtained her B.S. in Agronomic Engineering. Her project focuses on the biological, economic and aesthetic trade-offs associated with divergent turfgrass management approaches and involves both a controlled study and a biological survey conducted in cooperation with more than 100 homeowners located in Tippecanoe and surrounding counties. The aim of this research is to provide homeowners and

(Continued on page 2)





Steve Yaninek

From the Head Bug

Fifty Years of Entomology at Purdue University

Have you ever been asked to do the impossible, and foolishly agreed? I blithely agreed to talk about 50 years of entomology at Purdue before learning that I would have 20 minutes to get this done at the Entomological Society of America national meeting in Indianapolis this December. It has been an interesting exercise and prompted lots of discussion with current staff, alumni, and emeritus faculty. Instead of providing a comprehensive accounting of activities and personalities, I've decided to limit my presentation to an overview of the broad overarching themes that have emerged since the mid 1950's with a focus on the contributions that truly separate Purdue from our peers. This is what I found: modern entomology at Purdue has its roots in Hessian fly host plant resistance research dating back to the first experiment station publication in 1884, and an extraordinary partnership with the structural pest control industry since the mid-1930's. There has been a steady parade of arthropod pests to fill our research and extension portfolios including well known endemic species e.g., Hessian fly, chinch bugs, wireworms, grubs, spider mites, and common domestic ants, termites, and cockroaches. Yet a plethora of new pests have commanded significant pest management time and attention including Japanese beetle, cereal leaf beetle, soybean cyst nematode, alfalfa weevil, gypsy moth, western corn rootworm, Mexican bean

beetle, Colorado potato beetle, Asian long-horn beetle, soybean aphid, and emerald ash borer. An early commitment to balance applied and basic research in faculty hires continues today. Host plant resistance and integration of pest control technologies topped the research agenda with basic work on physiology, biochemistry and genetics, and applied work on pest biology, biological control, toxicology, and residue chemistry. Leading systematic contributions include work on odonates, nematodes, and mayflies. Our identity in the state is strongly linked to extension which over the decades expanded from crop production to include horticulture, apiculture, stored products and the food industry, structural, ornamental, turfgrass, master gardener, IPM in schools, and public health pest management. Many extension and research programs now have overseas components. Science education innovations like the "Linnaean Games," K-12 programs like "Insectaganza," and nationally acclaimed public programs like "Bug Bowl" are unique contributions with considerable national visibility. A culture of teaching excellence and classic textbooks on structural pest management and aquatic entomology authored at Purdue benefit our students. Outstanding achievements include increased professionalism in the structural pest control industry, development of commercial host plant resistance, establishing national pesticide applicator standards, implementing novel science education outreach, and providing ESA leadership. With the past as prologue, our emphasis today includes genomics, urban pest management, field crops and livestock pest management, environmental stewardship, international development, and science education outreach. The department has been an innovator in many areas and I should have no trouble filling my 20 minutes at the ESA meeting in December.

~Steve Yaninek~

(Continued from page 1)

lawn care professionals with a broad basis for comparing management approaches by clarifying the trade-offs associated with each. Victoria is scheduled to graduate at the end of Spring 2007 and is collaborating closely with Drs. **Cliff Sadof** and **Tim Gibb** (Entomology), and Cale Bigelow (Agronomy) on this project.

Walter Baldauf joined the lab during the Summer of 2006 to pursue his M.S. in Entomology. Walter, a native of the Lafayette area, came to our department as an undergrad. His work focuses on the integration of a special type of host-plant resistance (endophyte-mediated resistance) with biological controls in turfgrass. The particular fungal symbionts Walter is working with are seed-borne mutualists of several important cool-season grasses such as perennial ryegrass and tall fescue. While the fungus derives a small amount of nutrients directly from the plant, it provides the plant with an array of defensive compounds. However, rarely in nature do we find natural endophyte infection levels above 50% of the plant population, so integration with other pest management tools may be important for optimizing the use of this unique form of acquired resistance. Within this framework, Walter is also incorporating plant mineral nutrition to determine how fertilizers influence integration of endophyte-mediated resistance with biological/biotational controls such as entomopathogenic nematodes, *Bacillus thuringiensis*, and Spinosad.

Several undergraduates from the department also assist with laboratory and field work; **Terri Hoxtor**, **Nitsa Martinez**, and **Autumn Nance** have been a great help and are getting their first real experience in a research environment. We are also looking forward to the arrival of Jesus Orozco, from Columbia, who plans to join the lab in January to start his Ph.D. program.

~Doug Richmond~

Department News

New Staff

Melissa Shepson is a new member of the Purdue Emerald Ash Borer Communications and Outreach Team working with **Cliff Sadof** and **Jodie Ellis**. In addition to general team support, she will develop and deliver

K-12 educational materials. Melissa first earned an undergraduate degree from the North Carolina State University College of Design in landscape architecture and received her Masters in Education from Purdue last May. Prior to her return to graduate school she was a teacher at the Montessori School of Greater Lafayette. She and her family, which includes 3 children, moved to the West Lafayette area in 1994.

Bobby Brown is the USDA-APHIS Insect Identifier, a new position that supports the national Cooperative Agricultural Pest Survey and other survey programs for exotic forest pests. Bobby received a Bachelors in microbiology and a Masters in entomology from the University of Tennessee at Knoxville. For the past six years he worked at Kansas State University for the Department of Entomology and the Division of Biology

as an insect diagnostician and assistant curator. He also taught biology and microbiology at community colleges. Bobby and son Alex (9) are making plans for their move to the Lafayette area in December.

Weddings & New Arrivals

Marissa Fusco and **Marcus McDonough** were married on September 30th. Marissa, an MS candidate, studies forensic science with **Ralph Williams**. Marcus, also an MS candidate, is in the Urban Entomology program with **Gary Bennett**.

Haley Meeju Kim, born October 6th, is the new daughter of **Ho Jung Yoo** and Hyonny Kim. Ho Jung is a postdoc with **Bob O'Neil**.

Chuck and **Angie Sigo** are new parents to Jade Rose, born September 21st. Angie is the Main Office receptionist and secretary to **Steve Yaninek**.

Grzesiek Buczkowski and his wife, Erin, welcomed a new son, Andrew Thomas on October 5th. Grzesiek is the Director of Industrial Affiliates Programs in Urban Entomology.

Dr. Ferris Honored as Woman Pioneer

Dr. **Virginia Ferris** was honored as one of 15 Women Pioneers of Purdue University at the inaugural presentation on August 30th. Dr. Ferris is known for her research on nematodes and the discovery



Dr. Virginia Ferris

of resistance genes in soybean-to-soybean cyst nematodes. During her 40 year career at Purdue, she has held the positions of Assistant Provost and Assistant Dean of the Graduate School. When Dr. Ferris came to the School of Agriculture in 1974, she was the only female full professor. Among her prestigious honors and awards are the Helen B. Schleman Gold Medallion Award, Purdue Outstanding Woman Faculty, and the Virginia R. Ferris Annual Literary Award for undergraduates in the College of Liberal Arts.

John V. Osmun Alumni Professional Award in Entomology

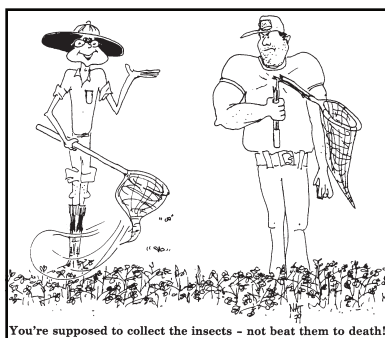


John Mumford (left) and John Osmun

Dr. John D. Mumford (BS '74) of Imperial College London, UK, travelled to Purdue with his family to receive the 2006 Osmun Award. John was the original model for the "Bug Scout" cartoon character created by artist Natalie Wood. She was inspired by photos taken by **Tom Turpin** in the 1960's. Dr. Mumford's seminar, "Measuring the value of international plant quarantine" was followed by a formal award presentation and reception in Pfendler Hall, formerly known as Entomology Hall.



John Mumford, the inspiration for Bug Scout



Bug Scout cartoon

Entomology Museum is Primary Resource for Indiana

The Purdue Entomological Research Collections (PERC) are an integral and invaluable part of the entomological program at Purdue in that they represent the diversity and distribution of those organisms that are in essence the subject of entomological study. The primary functions of PERC are: 1) to provide a reference source for implementing the accurate and timely identification of insects for extension, research, and teaching needs, 2) to serve as a database for systematic research at Purdue and by specialists throughout the world, 3) to serve as a repository for voucher specimens used in field and laboratory research and 4) to provide a facility for maintaining representatives of the entomofauna of Indiana habitats and surrounding regions.

PERC is staffed by **W. P. McCafferty**, Academic Coordinator, **A. V. Provonsha**, Curator, **J. Webb**, Graduate Assistant, and one part-time undergraduate technician. The collections and associated labs and offices are housed in the east basement of Smith Hall.

Approximately 1,800,000 specimens are held, representing more than 140,000 species. Through collecting, donations, and exchanges, over 600,000 specimens have been added to the collections since 1972 when the current coordinator and curator were hired. A majority of the specimens are pinned in standard USNM style drawers. However, a large and rapidly growing collection of alcohol-preserved material is also maintained and a sizable number of specimens or parts thereof are preserved on microscope slides.

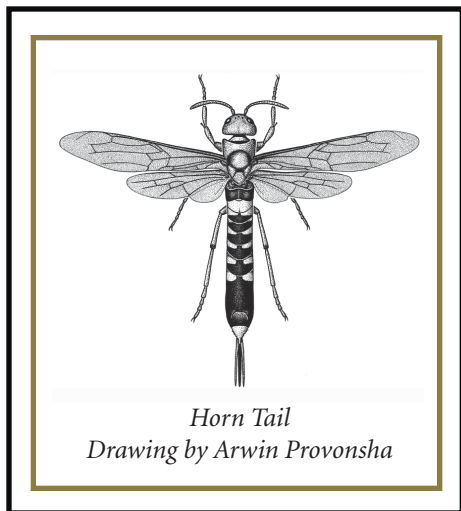
Although taxa are broadly represented geographically, approximately 60% of the specimens are from Indiana, and PERC is by far the single most important resource center for the insects of Indiana. It is one of PERC's long-term goals to acquire as complete as possible a representation of the Indiana insect fauna. PERC is recognized internationally as a primary resource in four areas: 1) the type collection of over 2,550 type specimens, 2) the Blatchley collection of Coleoptera, 3) the general aquatic insect collections, which are becoming one of the most important in North America, and 4) the Ephemeroptera collection which ranks as the most complete, diverse, and taxonomically important collection of mayflies in the world.

David Mueller Celebrates 25 Years in Pest Control Business



(l-r) David Mueller, John Osmun, and Steve Yaninek

David Mueller (BS '75) is founder and president of Insects Limited, Inc. and Fumigation Service & Supply, Inc., Westfield, Indiana. On October 1, 2006, he was joined by Entomology Department Head, Steve Yaninek, and former Department Head, John Osmun, to celebrate 25 years of business. The companies solve pest problems of stored products and provide consulting to developing and developed countries on eliminating the use of ozone depleting substances.



Development Update

With commitments and pledges of \$695,000, the department continues to work closely with our campaign committee as we close on our goal of \$1 million to fund an endowment in the name of John Osmun. Other financial support has been distributed to our students this past year for a variety

of reasons. We dispersed \$45,000 from endowments and direct checks to support 28 student scholarships. We also provided \$4,000 to undergraduates to participate in study abroad programs and conduct independent research projects, and \$8,000 to graduate students for special training workshops, scientific exchanges, and professional meetings. We're currently looking for new resources to support our study abroad programs. As always, the department appreciates the enthusiastic support of our alumni and friends, and looks forward to your continued support.

New IRA Charitable Rollover Opportunity

Many of our supporters own retirement accounts and have relied on these assets to make generous contributions to Purdue and the College of Agriculture. Typically, the donor removes assets from the account to make these gifts. The resulting charitable tax deduction usually offsets the income tax on the distribution.

Thanks to a new law, there is a new way donors can make significant gifts with distributions from an individual retirement account (IRA) without any tax consequences. A donor over age 70 1/2 can order that all or part of the IRA account be directed to Purdue as a qualified charitable distribution. None of the distribution is included in the donor's income. However, the same distribution does count toward the required minimum distribution for that IRA in that year.

Of course, there are some important considerations:

- Because none of the IRA distribution is taxed to the donor, the donor cannot take a charitable income tax deduction for the transfer.
- The gift must be an outright transfer to the charity — no money can be directed to a charitable remainder trust or charitable gift annuity.
- The exclusion may not exceed \$100,000 per taxpayer per year.
- Not every transfer to a charity will qualify. Supporting organizations or donor advised funds are not an option.
- The IRA Charitable Rollover is available only in 2006 and 2007.

It is a smart gift if you are age 70 1/2 or older — one that can be made with relative ease. Check with your financial and tax advisors to see if it makes sense for you. For general information, please contact the Purdue University Office of Planned Giving at (800) 677-8780 or e-mail <plangift@purdue.edu> to receive our newest brochure with the basics about this exciting new way to give, The IRA Charitable Rollover — A New Incentive for Charitable Giving. Thank you as always for your interest and support.



The Honor Roll recognizes new gifts to the department January -June of 2006.

Monarch Club (\$1000 up)

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

Anonymous

Firefly Club (\$101-\$499)

Indiana Arborist Association, Inc.
Muriel S. Andrew
Dr. Clarence Arthur Callahan

Mayfly Club (up to \$100)

Dr. Marlin Kent Bergman
Dr. John K. Bready
Billy A. Butt
Dr. Clarence A. Callahan
Michael J. & Helen L. Corbitt
Karen M. Holz
Dr. Joseph E. Huesing
Peter R. Johnson
Pamla L. Mackey
Nicole R. Mason
Dr. Michael J. & Katherine A. McManus
Dr. Harry B. , Jr. & Nancy Moore
Thomas V. Myers
Judy Ann Neff
Dr. Forrest L. Oliveria
Vincent E. Scala
Dr. Brian M. Schneider
Frank E. Skinner
The Brand Research Co.
James P. Wallace
Dr. Stella S. Wen

Outreach Update

Insectaganza

The department hosted 1,000 fifth-graders from 15 schools in the Lafayette area for the annual "Science on 6 legs: An Insectaganza of Education."



BIOLOGY: Al York uses creative methods to demonstrate processes of insect biology.



DISSECTION: As students dissect grasshoppers they learn about morphology.



QUIZ BOWL: Teams compete to answer entomological questions.



MAGIC SHOW: Tom Turpin demonstrates how insects are "magical" by using objects that represent the biological mysteries of insects.

Entomology Students

Scholarships and Awards

Omprakash Mittapalli (PhD '06) won the 2006 International Congress on Insect Neurochemistry and Neurophysiology (ICINN) Student Recognition Award. This honor was in recognition of his research on gene expression in the Hessian fly during compatible (larvae on susceptible plants) and incompatible (larvae on resistant plants) interactions and on comparative genomics among the Hessian fly, wheat midge and rice gall midge. **Rich Shukle**, his advisor, and the other members of his thesis committee are commended for their mentorship. This is the second time in three years a member of our Department has won this award. The award will be presented at the ESA meeting in Indianapolis on Tuesday, December 12.



Omprakash Mittapalli



Alex McKinnis

Alex McKinnis, from Corvallis, Oregon, was awarded the Ross Fellowship. The fellowship is a four-year package for the recruitment of outstanding, PhD-track students. Alex works with **Christian Krupke** and her area of study is corn root-worm behavior and management.



Kristi Jukovich

Kristi Jukovich, a sophomore from Valparaiso, Indiana, received one of four national William F. Helms Scholarships for 2006. The scholarship offers up to \$5,000 in financial aid, tutoring assistance, mentoring, paid work experience during school breaks, career exploration, and possible permanent employment upon graduation.

Margaret Schwinghammer, from Columbia, Missouri, will be awarded the annual Nisis Corporation \$2,500 Urban Pest Control Scholarship this October at the National Pest Management Association PestWorld. The award is given to a female graduate student currently enrolled in an MS or PhD program with a career interest in the urban pest control industry. Margaret, a PhD candidate under Gary Bennett, studies subterranean termite movement.



Margaret Schwinghammer



College of Agriculture Scholarship Awards 2006-2007

Jay Bailey, Indianapolis, IN
Lewis Runkle Scholarship

Katharine Buckley, San Jose, CA
Scholarship Aaward of Excellence

Tabatha Carrol, Linton, IN
Junior Scholarship
J. Kelly O'Neill and Margaret Ritchey

Amy Lockwood, Succasunna, NJ
Scholarship Award of Excellence

Christian Paulsen, Maumelle, AZ
Senior Scholarship
J. Kelly O'Neill and Margaret Ritchey

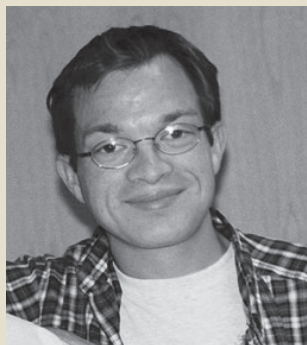
Kyanne Reidenbach, Fort Wayne, IN
Senior Scholarship
Ag Research Fund
Marquardt Farm Scholarship

Nicholas Seiter, Greensburg, IN
Senior Scholarship

Michael Skvarla, Irwin, PA
Sophomore Scholarship
Don Schuder Memorial Scholarship

Shauna Stapleton, Springfield, OH
Junior Scholarship

Reflections from a Decade of Purdue Entomology



Luke Jacobus

After ten exciting years, I have moved away from the Purdue campus and the Greater Lafayette area. The amount of time that I spent as a Purdue student was put into perspective just before the defense of my dissertation, when Professor Emeritus John Osmun said to me: "How long have you been a student? It seems like you've always been around!" Two degrees (BS '00, PhD '06) and many significant life experiences later, I think it is safe to say that I am more educated and hopefully a bit wiser.

My Purdue Odyssey began when I attended Bug Bowl as part of the 1995 Project Future Program. During my visit, I met a kind gentleman sweeping floors after the day's festivities had come to a close. Setting aside his broom and waving away a cloud of dust, he wondered if I would be interested in being a student and gave me some pamphlets and his home telephone number. This simple act by then Department Head **Chris Oseto** convinced me to follow my interest in insects, developed through the Indiana 4H program, to Purdue University in the fall of 1996. I corresponded with Professor John MacDonald and student Adam Shahid in the interim and learned more about the Department. During my

freshman year, I took a part time job as Assistant Curator of the Entomological Research Collection under the guidance of Arwin Provonsha. Arwin introduced me to Professor Patrick McCafferty, who served as my undergraduate research advisor and later as chair of my graduate committee. During my undergraduate years, I was very active in the Thomas Say Society and served as its president for a while. We enjoyed insect inspired incidents including incipient sales of chocolate covered crickets and hosting a fall "Arthropod Feast."

During my ten years in entomology at Purdue, I've been able to accomplish some life goals. I studied Japanese language, traveled abroad in Japan and completed an internship there. I now have friends on each of the six inhabited continents and know someone who lived in Antarctica. I visited Hawaii. I discovered and described a new insect species based on specimens I collected. I investigated the biology of a rare species. Edward O. Wilson signed my well-worn copy of his autobiography, *Naturalist*. And greatest of all, I never donned an insect costume for Bug Bowl (checks from those at the losing end of our friendly wagers can be mailed to my home address).

My wife accepted a faculty position with Indiana University-Purdue University at Columbus, Indiana (my hometown), and I am an adjunct faculty member, teaching two sections of biology. During this period of transition between West Lafayette and Columbus, we have moved all our earthly belongings into a shed at my parents' house, which leads me to wonder if ten years of college really made me any wiser.

~Luke M. Jacobus~

New Fall 2006 Students

Undergraduates: **Katharine Buckley**, freshman from San Jose, California; **Kim Deakins**, sophomore codo from Brazil, Indiana; **Elizabeth Hitze**, freshman from Lafayette, Indiana; **Alicia Kelley**, freshman from Kokomo, Indiana; **Amy Lockwood**, freshman from Succasunna, New Jersey; **Keri Majdecki**, sophomore codo from Auburn, Indiana; **Matthew Paschen**, junior

codo from Twelve Mile, Indiana; **Chase Williams**, sophomore codo from Greencastle, Indiana; **Ryan Yutzzy**, sophomore transfer from Springfield, Illinois.

Graduate Students: **Alex McKinnis**, PhD candidate from Corvallis, Oregon works with Christian Krupke; **Walter Baldauf**, MS candidate from Lafayette, Indiana works with Doug Richmond; **Christine Emore**, PhD candidate from Lafayette, Indiana works with **Greg Hunt**.

Grad Students Form New Journal Club

The graduate students in the department have formed a journal club to discuss classic and current scientific papers. The club meets every two weeks for lunch and all members of the department are invited to attend. The first meeting was October 17, 2006. A lively discussion about fruit flies and global climate change ensued, where students learned about more than just scientific methods.

This forum will provide a link to the world outside of each individual student's research interests and will be a valuable learning tool in the future.

Alumni News

Special Event

Alumni Reunion

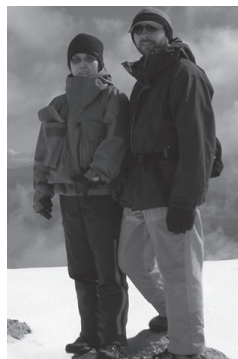
A reunion for alumni and faculty of Purdue Entomology will be held on Monday, December 11, 2006 during the ESA meeting in Indianapolis. The evening will begin at 6:00 p.m. (Eastern Time) with a social gathering at the Westin Hotel, Grand Ballroom II. Other planned events are cockroach racing and cricket spitting contests at 8:00 p.m. in Room 109 of the Convention Center. Reunion attendees are not required to be registered for the ESA meeting. Please visit our web page <www.entm.purdue.edu/reunion> for the most current information.

Contacts for this event:

Cyndi Parrett Wagner (BS '80)
Home Ph 317-872-8725
Office Ph 317-233-0473
<cwagner10@sbcglobal.net> or

Paula Layden
Purdue Entomology
Office Ph 765-496-1119
<plloyd@purdue.edu>

Michael E. Scharf, (BS '91, MS '93, PhD '97) is a Research Assistant Professor at the University of Florida, Gainesville.



Michael and Dancia Scharf

Mike's wife, **Dancia Wu** (MS '97) works for Banyan Biomarkers Inc. in Alachua, Florida.

Jack E. Naugle (BS '49) was a partner at Reliable Exterminators, Inc. in Lafayette, Indiana from 1949 to 1985. The business was founded in 1936 by **Charles Parlow** (BS '35). Jack remembers J.J. Davis, Dr. Deay, Dr. Montgomery, and Dr. John Osmun from his time at Purdue. The Naugles live in Tennessee and have five grandchildren and two great-grandchildren.

David Mueller (BS '75) is president and founder of Insects Limited, Inc. in Westfield, Indiana, celebrating 25 years of business.



David Mueller

He is a stored product entomologist, solving pest problems in stored food and grain. David has organized educational conferences and workshops that have attracted over 6,000 people from 44 countries. He has worked as an expert to the United Nations since 1996 in developing countries on projects concerning the Montreal Protocol and stratospheric ozone protection. Among his professional awards are the Purdue Distinguished Agriculture Alumni Award, the John V. Osmun Alumni Professional Achievement Award in Entomology, US EPA Stratospheric Ozone Protection Award 1995, and Best of Best for the same award in 1997. David is a member of the Purdue Entomology Steering & Developmental Committee, serving since 2001.

Dr. John W. Reynolds, (MS '69) is an earthworm specialist who has published over 200 articles and books covering 10 disciplines and published in whole or in part in 20 languages. He received his PhD in Ecology, Soil Science and Systematic Zoology from the University of Tennessee, and was a post doctorate in acarology at Ohio State. John has "been fortunate to have had the opportunity to travel and work on every continent except Antarctica - few terrestrial earthworms present there!" He received the 2003 Alumni Citation from Wilmington College for outstanding contribution to the field, has appeared on major radio and television programs and featured in several national magazines. During his extraordinarily diverse professional career, John has been a professor, lawyer, college dean, police officer, truck driver, and transportation/logistics manager. Read more about John's current career in Canadian Trucking News <http://www.canadiantruckingnews.com/issues/issue_5/schneider.html>.



John W. Reynolds

John's wife of 41 years, Wilma, was a nurse at the Purdue University Hospital while he attended Purdue. John has co-authored 11 publications with his wife and three daughters, Kristin, Deborah, and Jennifer. Three publications are in English, one is in French, and seven (on Central American Earthworms) in Spanish.

Drusha (Roellig) Mussman (MS '85) has a career of Homeschooling, a natural fit for her list of academic achievements at Purdue; National Merit Scholar, Indiana Top Scholar, Academic Success Award, Dean's International Experience Award and the Robert Byrd Scholarship.

Desiree Richardson (BS '02) is a Food Safety Specialist with The Steritech Group, Inc. and soon to be a Certified Food Safety Professional. Learning the business of pest prevention and some supervisory experience opened the door to a completely different business of food safety for Desiree. She enjoyed spending time in the Entomology

lounge in Smith Hall, going to all of the Entomology events, and making so many friends with the same interests. "Who could forget Tom Turpin?? I loved all of the professors in the department as well as the infamous Jenny Franklin (and miss them all dearly)."



Ken Pruess (left) and Tom Powers

Ken and **Tom 'Topper' Powers** (BS '77) were Co-PI on an NIH grant. Retired for 10 years, Ken continues to work in Tom's lab on molecular systematics of black flies (Diptera: Simuliidae).

Richard B. Schoenbohm (MS '76) is an attorney in Appleton, Wisconsin. Daughter Lindsay is a professor at Ohio State and daughter Laurel worked for the U.S. Forest in Alaska this summer.

Larry P. Pedigo (MS '65, PhD '67), Professor of Entomology Emeritus, retired in 2001 from Iowa State University after 34 years of teaching and research in Industrial Pest Management. He was elected as a Fellow of the Entomological Society of America in 2005. "I remember when Dr. Osmun hired me in 1963, asking me to come to Lafayette the summer before my graduate appointment started. He said I could work with Dr. Howard O. Deay on the effects of electromagnetic radiation on insects. Wow! This was heady stuff, I thought. When I arrived, Doc Deay handed Dave McLean and I a hoe to weed tomatoes in light-trap plots located near the airport-so it goes with 'cutting edge' research - a great experience, along with counting piles of leafhoppers from the light traps in the basement of the Entomology Environmental Laboratory (EEL).



Larry P. Pedigo

Kenneth Pruess (BS '54) is a Professor Emeritus, Department of Entomology, University of Nebraska.

Ken and **Tom**

'Topper' Powers (BS '77) were Co-PI on an NIH grant. Retired for 10 years, Ken continues to work in Tom's lab on molecular systematics of black flies (Diptera: Simuliidae).



December

- 11 Purdue Entomology Reunion - ESA Meeting
in Indianapolis
- 15 Outstanding Service Award Presentation
- 17 Commencement

January

- 8-12 Purdue Pest Management Conference

February

- 3 Purdue Ag Fish Fry - Indiana State Fair
Grounds, Indianapolis

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?

Paula Layden
Editor, **Entomology@Purdue**
Department of Entomology
Purdue University
901 West State Street
West Lafayette, IN 47907-2089
plloyd@purdue.edu
Phone: 765-496-1119
Fax: 765-494-0535

Please include your name, address, degree, major and year of graduation. Photographs, if submitted, will be returned.

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

Cal