



Entomology @ Purdue

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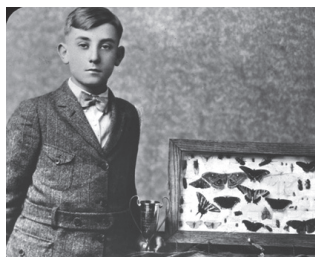
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4-H Entomology

Most of us professional entomologists can trace our interest in 'bugs' back to early childhood romps through forests and pastures – picking up insects and spiders and putting them in our pockets, stirring up ant nests with a stick, tossing insects into spider webs, pulling the wings off of flies, breaking into dead tree stumps and catching 'whatever' before it goes scurrying off. Today, we have MS or PhD after our name. Romping through the woods with forceps and vials has become a legitimate

titions are all ways in which youth in grades 3-12 can demonstrate what they have learned in the project. Approximately 225 youngsters advance from the county levels each year to compete in insect collecting and poster making. **Terri Hocter, Ralph Williams, Phil Morton**, and I from our department and **Corey Gerber** (BS '93, MS '95, PhD '03) and Paul Friend, both long time friends of extension entomology, judged the state fair entries in Indianapolis in August of 2008.



First Place Cup Award 1925



Collecting 1925



First Place Award 1955

scientific pursuit and we are actually paid to do it. Entomologists are a rare and curious breed. Everyone attests to that fact, my family in particular, although they prefer to use the word 'strange'. Entomologists are bound together by a curiosity for nature that is never lost. It is refreshing to see the same curiosity about nature (and insects in particular) scattered among our youth today even in this era of Gameboys, Wiis and iPods.

4-H Entomology is the best way to channel young entomologists with their childhood curiosity about bugs towards formal study in the field. In 2002 (the last formal census taken) over 7 million American youth were involved in 4-H. Working closely with the Department of Youth Development and Agricultural Education at Purdue University and Dr. Natalie Carroll in particular, many Indiana youth are learning life skills through 4-H Entomology. Insect collections, posters, and judging compe-

In December, some 120 youths will descend upon the Purdue University campus to participate in a formal state judging competition. They will have to demonstrate identification skills and an understanding of the life cycles and behaviors of 150 different insects and then make control recommendations. Furthermore, high school students can attend the Entomology Workshop held on the Purdue Campus each June where they can work with Purdue Entomology faculty to learn about a variety of insect-related topics. These activities are supported by excellent written materials. A new, soon-to-be-completed 4-H website <<http://extension.entm.purdue.edu/4h/default.php?page=home.php>> now serves as an on-line reference specifically for 4-H youth. Mock interactive quizzes can be taken right on line.

Our own **Chris Oseto** has written three entomology manuals for kids, chock full of
(Continued on page 2)





Steve Yaninek

From the Head Bug

Countdown to 2012

A century is a long time for any unit in the history of Purdue. Our department celebrates 100 years of entomology at Purdue in 2012. Instead of waiting until the year before the centennial to start planning a celebration, the department has a steering committee already working on a number of ideas and suggestions. They identified a need for four subcommittees to get the job done properly. The first subcommittee will focus on “communications.” This group will raise the profile and generate publicity and interest in the centennial. Their mandate will be to provide leadership in communicating information about the centennial. The next subcommittee will deal with “events.”

A centennial can be commemorated in many ways, and this subcommittee will identify and help plan a range of activities and events that recognize and celebrate the accomplishments of alumni and department staff. Their charge will be to create a prioritized list of activities/events leading up to and including the centennial year. A third subcommittee will focus on “history and archives.” Preparing for the centennial celebration gives us an opportunity to gather valuable information and unique documents about our history which we intend to preserve for perpetuity. The terms for this subcommittee would be to select topics and items that should be identified, catalogued and archived as representative of the history of the department.

The final subcommittee will be concerned with “recognition.” Their task will

be to identify and acknowledge individuals who brought exceptional recognition to the department based on their accomplishments in or outside the department. The committee might consider establishing a “Legends of Entomology” or “Hall of Fame” as a way to formalize this kind of recognition. We need your help to make these subcommittees and any associated planning come to life. We have some volunteers already identified, but we could certainly use more. We will be looking for alumni to contribute stories, photographs and any memorabilia appropriate for archiving as part of the celebration. Likewise, don’t be surprised if a subcommittee member contacts you asking for input and help.

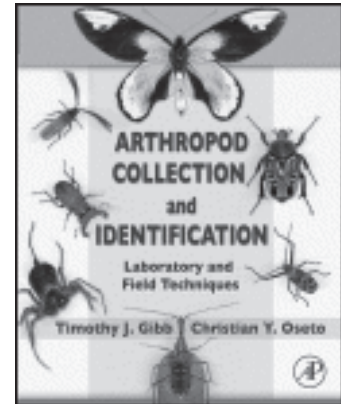
Next year we plan to initiate an annual centennial “countdown newsletter” with stories and photographs from alumni, about faculty and other features to generate interest in our centennial. With the next Entomological Society of America annual meeting scheduled for Indianapolis, we would like to host a special pre-centennial reunion to create interest. We hope to start a dialogue about the centennial for those interested that can be followed online in a number of ways. A centennial website will be linked to the department homepage. Communication will be facilitated primarily via email for those connected. We have established an electronic community (or eCommunity) called “2012 Entomology Centennial.” This is part of Boilersphere, a professional and social network available exclusively to Purdue people, provided by the Purdue Alumni Association (see associated story in this newsletter for information on how to join).

Drop me a note if you have any thoughts or suggestions about any of these plans, and more importantly, let me know where and how you might be willing to serve as a volunteer as we plan for our centennial.

~Steve Yaninek~

(Continued from page 1)

insect-related activities that teach specific life skills. I have rewritten a soon to-be-published manual for beginners entitled “How to Make an Awesome Insect Collection” which will soon be followed by a manual describing the basics of insect pest management entitled “How to Control Radical Bugs.” These will form the basis of beginning 4-H entomology. Chris Oseto and I also wrote a very popular intermediate manual for students in high school and college on insect collecting, preserving and identifying insects called



“Arthropod Collection and Identification – Laboratory and Field Techniques.” Of course **Tom Turpin’s** insect appreciation books add an additional level of interest and humor to the mix. Terri Hctor, a graduate student in Entomology, now holds a formal assistantship through extension, the first of its kind in our department, and assists me in all aspects of 4-H and Youth Entomology.

Activities such as Bug Bowl and Insectaganza are public events that draw many youth into the grasps of eager entomologists who would like nothing more than to turn them on to a life of entomology by linking them to 4-H entomology. With the help of the 4-H program, our profession will continue to grow and develop with the HEAD, HEART, HANDS and HEALTH of youth.

~Tim Gibb~

Department News

New Staff

Valerie Winger joined the department in June as the new Web Technician. Originally from Sarasota, Florida, she moved to Lafayette to attend Purdue. Valerie and

husband, Brian, have 2 children, Brianna and Eli, 2 dogs, Phoebe and Penny, and a cat named Lulu.

Departing Staff

Changlu Wang, Research Professor in Urban Entomology, accepted a faculty posi-

tion at Rutgers University. Changlu began his new career in September 2008 as an Assistant Professor in the Department of Entomology. Barry Pittendrigh (MS '94), Associate Professor, accepted a faculty position as the Kearns, Metcalf and Flint Endowed Chair in Insect Toxicology at the University of Illinois, Urbana-Champaign in June 2008.

2008 Osmun Alumni Award



John E. Foster (R) and John V. Osmun

John E. Foster (PhD '70) was the recipient of the 2008 John V. Osmun Alumni Professional Achievement Award in Entomology. John started his professional career with the USDA-ARS Insect and Weed Control Research Unit at West Lafayette. He delivered an entertaining lecture entitled "Mentoring: An Investment in Human Capital," recounting the importance of mentoring in his development as a person from the values instilled by his father to the guidance of his major professor Dr. **Bob Gallun** (PhD '60). John pointed out that **Virginia Ferris** was a role model for his daughter, Dr. Cherie Foster, as she was growing up. He also noted that in spite of what was printed in the program, his daughter, not his students, was his proudest legacy! John's



Virginia Ferris

students, many of whom were international students, are a testimony to the value of mentoring in academia. Friends, former colleagues, students, and family members joined John for a reception in Pfindler Hall. If those hallowed walls could talk they might be able to recount, based on the animated conversations that ensued, some good things about Dr. John Foster and his contributions to the field of entomology, and most would be true!

Honorary Master Farmer

Tom Turpin was recognized as an Honorary Master Farmer at the 2008 Master Farmer Awards Presentation on July 31, 2008, hosted by Indiana Prairie Farmer magazine and Purdue University. Four Indiana farmers were recognized as Master Farmers at the event held at the Beck Agricultural Center.



Tom Turpin

The Master Farmer Award was first granted in 1928 and is given in recognition of a combination of farming skills, community activities and public service. The Master Farmer award is the highest honor a farmer can receive in Indiana.



Chris Oseto

which is fundamental to the development of the scientific and professional expertise essential to the future growth and progress of our nation's food and agricultural system."

Chris was formally recognized at a ceremony this fall at the annual meeting of the National Association of State Universities and Land-Grant Colleges in Chicago, Illinois.

IOBC-NRS Establishes Robert J. O'Neil Award

The International Organisation for Biological and Integrated Control of Noxious Animals and Plants (IOBC-NRS) recently renamed one of the graduate student awards to the Robert J. O'Neil Award for Outstanding PhD Student in Biological Control. The change was made by the Governing Board in honor of "Bob's contributions to the IOBC, and his strong commitment to student education and advancement."



Thelma Heidel

One of Bob's students, **Thelma Heidel** (MS '08) received the Outstanding MS Student award presented in November, 2008 at the Entomological Society (ESA) Meeting in Reno, Nevada. Ezra Schwartzberg from Pennsylvania State University was the first recipient of the R.J. O'Neil award.

Development Update

Presidential and Trustees Scholarship Endowment Challenge

One of Purdue University and the College of Agriculture's goals in the Access and Success Campaign is to attract exceptional students with high academic potential. With a new matching gift challenge in place, the chance to build your legacy and help students achieve their goals is here.

Generous donors to Purdue University have made \$5 million available to match new endowments for merit-based Presidential and Trustees Scholarships.

In order to receive a Trustees Scholarship, a student must have scored a 2000 on the SAT or an ACT combined English and writing exam score of 30 or higher. The standards for a Presidential Scholarship are only slightly lower as it requires students to have scored an 1850-1990 on the SAT or a 28-29 on the ACT. To qualify for either scholarship, students are required to have a high school grade point average of 3.8 on a 4.0 scale. All Presidential and Trustees scholars must maintain at least a 3.0 grade point average at Purdue in order to renew their scholarship.

This is a dollar for dollar match for new endowed scholarships. Once the scholarship endowment account receives gifts totaling at least \$25,000, the matching funds are deposited into the same endowment account, immediately doubling your charitable gift.

For more information, please contact the Agricultural Development Office by phone at (765) 494-8672 or by email at agdevelopment@purdue.edu.



The Honor Roll recognizes new gifts to the department January -June of 2008. Contributions to the John V. Osmun Chair in Urban Entomology are included.

Monarch Club (\$1000 up)

B & G Equipment Company
Dr. John V. and Mrs. Dortha E. Osmun
Dr. Kenneth W. and Mrs. Bernice H. Kirby
Dr. Michael D. and Mrs. Judith A. Culy
Frank K. and Kristine Harder

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

Dr. William J. and Mrs. Margaret M. Fischang

Firefly Club (\$101-\$499)

Anonymous
Dr. Clarence Arthur Callahan
Dr. Claudia K. Heinsohn
Dr. Peter E. and Mrs. Georgia C. Dunn
Dr. John J. McHugh Jr. and Laura Aiko
Dr. Ralph A. and Mrs. Jane L. Killough
Dr. Eric Lee-Chien-Hsin Pang
Dr. Michael L. and Mrs. Katherine A. McManus
Harry I. Myers
John M. and Mary K. Thieme
Thomas Vern and Waynetta Callaway Myers
Dr. Bernard L. Huff Jr.

Mayfly Club (up to \$100)

Dr. Albert E and Mrs. R. Dorette Lund
Dr. Bernard L. Huff Jr.
Dr. Eric H. Smith
Dr. John K. Bready
Dr. Stella S. Wen
Norman O. Besheer
Kate E. Wittenstein
Frank E. Bohman Jr
Frederic and Dolores Barton Goldberg
James P. Vandecoevering
James P. and Ingeborg Wallace

Mayfly Club (continued)

James R. and Pamela M. Larson
Larry W. and Janet E. Bledsoe
Lyle E. and Linda D. Matteson
Wynn A. Senff
Karen McIntosh-Bernhard
Muriels S. Andrew
Victoria Inge Wallace
Donald W. and Diane J. Hall
Dr. Clinton Y Kawanishi
Dr. Forrest L. and Donna J. Oliveria
Dr. Harry B. Jr. and Nancy Moore
Dr. Wei Dai and Dr. Xiao Chun Luo
Craig A. and Sara J. Rich
Gary L. and Susan Elizabeth Walker
George Thomas and Rose I. LaRocca
Kenneth H. Kendall
Nathan J. Renie
William J. Barmore Jr.
Mrs. Casie E. and Dr. Travis A. Hill
Mussa Muhammad
Bruce Allan Godby
Mary C. Clark
Kevin D. and Ruth A. Black
AMF Pest Management Services, Inc.
Mark D. and Kathleen K. Shelton
Judy Ann Neff
Karen M. Holz

Outreach Update

Urban Wood Utilization Fair

The Urban Wood Utilization Fair took place at beautiful Forest Park in Noblesville, Indiana in October. This family friendly fair, which focused on the Emerald Ash Borer, was sponsored by Purdue University's Departments of Forestry & Natural Resources and Entomology, the Indiana Department of Natural Resources, and the Indiana Arborist Association, and was held in conjunction with the IAA's annual tree-climbing competition. Demonstrations and activities included Wood-mizer demos, chainsaw sculpting and wood turning, Ask the Expert exhibits, as well as an Insect Petting Zoo, face painting, bird feeder construction, and Build-A-Bug activities for both the young and young at heart. The event was

coordinated by **Jodie Ellis** and **Melissa Shep-son** along with Rita McKenzie from FNR, **Cliff Sadof**, **Julia Prado**, Carlos Quesada, Damir Torrico, **Katie England**, Eric England, **Annie Spikes**, **Rebecca Rose**, and **John Diller** volunteered to help make the event a success, and their help is deeply appreciated.



Emerald Ash Borer



Jodie Ellis gives a tutorial on the emerald ash borer to a captivated participant.

First Lady Spits Cricket at State Fair



First Lady: Cheri Herman Daniels, First Lady of Indiana, participated in the cricket spitting event at the Indiana State Fair in August.

Entomology Students

Scholarships and Awards

Rebecca Rose from Logansport, IN, was selected to participate in the 2008-09 President's Leadership Class. Selection is based on breadth of leadership involvement and citizenship during high school. Demonstrated academic ability and evidence of motivation toward continuance of leadership activities are also required. The students meet weekly at the President's home to discuss various aspects of leadership with President Córdova and first gentleman Christopher Foster and their special guests.



Rebecca Rose

College of Agriculture Scholarship Awards 2008-2009

Caitlin Race, Griffith, IN
J. Kelly O'Neill and Margaret Ritchey O'Neill Memorial Scholarship

Rex Hall Memorial Scholarship

Jonathan Larson, Tipton, IN
Don Schuder Memorial Scholarship

Amy Lockwood, Succasunna, NJ
Rex Hall Memorial Scholarship

Anthony Oliveira, Highland, IN
Rex Hall Memorial Scholarship

Christina Short, Gary, IN
J. Kelly O'Neill and Margaret Ritchey O'Neill Memorial Scholarship

Michael Skvarla, Irwin, PA
Gruel Memorial Scholarship

2008 OVEA Winners



Alex Murphy



Terri Hoctor



Annie Spikes



Matt Paschen

Alex Murphy won First Place in the PhD category for her paper presentation, "A comparison of refuge-in-a-bag to other refuge structures used in managing resistance to transgenic corn in western corn rootworm (*Diabrotica virgifera virgifera* LeConte)." Alex is from Hermiston, Oregon and her advisor is **Matt Ginzel**. **Annie Spikes** won First Place in the MS Paper Presentation, "Chemically mediated mate location and recognition in the primitive longhorned beetle *M. dasystemus*" (Say). Annie is from Lubbock, Texas and her advisor is Matt Ginzel. **Terri Hoctor** received Third Place for her paper presentation in the MS category, "Comparison of indigenous and commercial strains of the nematode *Heterorhabditis bacteriophora*." Terri is from Greenwood, Indiana and her advisors are Tim Gibb and **Doug Richmond**. **Matt Paschen** won Third Place for his paper in the BS category, "Evaluation of a commercially-available pheromone lure as a generic attractant for longhorned beetles in the subfamily Cerambycinae." Matt is from Twelve Mile, Indiana and his advisor is Matt Ginzel.

Meet Rajat Aggarwal



Rajat Aggarwal

I hail from a very small town in Punjab, a predominantly agricultural state in north India. Not surprisingly, there were no good English medium schools in

and around the town. My parents wanted to provide me the best education available as they knew its importance.

So, at the age of four I found myself in a completely new environment far away from my home surrounded by unknown faces. It was a fully residential boarding school in a beautiful hill city of Dalhousie situated atop the famous lower Himalayan ranges at an altitude of ~7800 feet. As you can imagine, initially it was hard for me to cope in a complete “British style” school miles away from home. We had a very strict and disciplined routine from jogging time in early morning until the bedtime. The good news was that the city used to witness almost six feet or more of snow from December till March, bringing life to a complete halt. So we used to have a long stretch of 3-4 months vacation. I studied for 10 years in that school and had so many memorable experiences, including one related to bugs. As I think now it seems cruel, but we used to have our own version of “bug bowl race.” Cicadas were very common in the jungle area where our school was located. We used to catch them and tie a long thread to their abdomen, and have a flying race, and of course hiding from our teachers.

After schooling I went back to my home state and joined a bachelors program in Agriculture at the Punjab Agricultural University, the premier institute credited with bringing the Green Revolution to India. After going through a rigorous program covering a vast array of subjects from Animal Husbandry to Agricultural Engineering, I became fascinated with the insects and joined the

Entomology department to pursue my future career. Later I joined the master’s program in Entomology at the same University. My research was focused on biological studies in Rice Stemborer, a potential pest of rice paddies in north India. Unfortunately, during my research year there was very low incidence of the pest in the area. I had no option but to travel throughout the state during the peak summer temperatures of 42-45° C searching fields for the insect. It was a nice but tough experience and I did manage to collect enough for my research.

I then decided to move in a different direction and was offered an assistantship in Dr. **Jeff Stuart’s** lab. I was really happy to be back in snow for my final degree besides getting an excellent opportunity to be mentored by internationally reputed scientists. After I came here I was really impressed by the work environment and the enthusiasm shown by students in every departmental activity. I have had a very rewarding experience in the lab. For my research I worked on two major research projects: 1) Developing a physical map of the Hessian fly genome, and 2) Cloning of vH13 avirulence gene in Hessian fly. I was really excited by the latter project as this work, along with my fellow lab mate’s work, would be the first avirulence genes to be cloned in an insect. It will immensely contribute towards a better understanding of plant-insect interactions. I completed my doctorate degree in August 2008.

I have really enjoyed my stay here at Purdue University. I learned a lot of new things, had great experiences and I am grateful to everyone in the department of Entomology. I am also grateful to my wife whom I met back in India during my PhD program. Currently I am working as a post doctoral researcher in the same lab trying to wrap up my projects. I am looking for other opportunities and hope to say goodbye to Purdue very soon. Last, I want to share the news of my life. By the time you will be reading this column my wife and I would be blessed with a little “Entomologist.” Well let’s see! Cheers!!

~Rajat Aggarwal~

First Capstone Forum

The redesigned Entomology Capstone Experience for undergraduates held the first biannual Undergraduate Capstone Forum. The forum provides an opportunity for graduating seniors to formally present a short seminar featuring the outcomes of their Capstone Project to the faculty and students of the Entomology Department. Matt Paschen, mentored by Chris Oseto, talked about the arthropod fauna associated with wetland moss. Mike Skvarla, mentored by **Jeff Holland**, presented on non-target Coleoptera captured on purple sticky traps used to monitor invasive wood-boring beetles. The Entomology Capstone Experience is unique within the College of Agriculture in that it matches students with a faculty mentor and challenges them to develop, conduct, and report the findings from an original research, outreach, study abroad or internship project. Since the new entomology program was incorporated into the curriculum in 2007, two entomology undergraduate students have taken top honors for their projects at the Purdue Undergraduate Research and Poster Symposium and several others have been awarded cash prizes for their presentations at regional and national meetings.

Summer Internships

Katie Buckley spent two months at the USDA Center for Agricultural and Medical Entomology in Gainesville, Florida, working in the fly unit under Seth Britch and Kenneth Linthicum. She designed and implemented a research project on long-term mosquito population analysis and is currently trying to publish “The Effect of Hurricanes on Selected Mosquito Populations” in the Journal of the American Mosquito Control Association as a scientific note which she wrote and did the research on.

Jonathan Larson interned at the National Museum of Natural History, part of the Smithsonian Institute in Washington, D.C. He worked with Dr. Alma Solis on constructing a database of harmful Pyraloidea moths that will be made into a website for the public use. While there, Jon met many Purdue alumni who are doing a variety of things in Washington.

Alumni News

Kevin Steffy (BS '72) was selected as a 2008 New Fellow of the Entomological Society of America. He was honored at the 2008 ESA meeting in November for his extension entomology program at the University of Illinois. **Andy Ammons** (PhD '07) is a Postdoc at the University of Nevada, Las Vegas since January 2008. He is doing microarray work looking at gene expression in honey bees with regard to aging, flight experience, and behavioral type. In September, Andy and his wife, Tara, welcomed a new baby girl, Lily May Ammons. **Joao Pedra** (PhD '04) accepted a position at University of California-Riverside as an Assistant Professor of Entomology at the Institute for Integrative Genome Biology. **Omprakash Mittapalli** (PhD '06) accepted a faculty position as Assistant Professor of Entomology in the College of Biological Sciences at The Ohio State University in Wooster, Ohio.

Angela Mulder Rust (BS '95) is a nursery inspector and compliance officer with the Indiana Department of Natural Resources, Division of Entomology and Plant Pathology. Angela remembers one Halloween when Tom Turpin held a department party at his farm and it was such a great time: fake maggots being thrown at people, bodies being dumped in the pond and people hanged from trees. She also remembers being an advocate for saving Entomology Hall and proud to see it still standing. Angela greatly appreciated the friendship and advice of **John MacDonald**. Angela and husband Marc, recently returned from a beautiful trip to Alaska, which they encourage everyone to do.

Jim McBrayer (MS '70) received his doctorate in ecology from the University of Tennessee. He did his MS and PhD research at Oak Ridge National Laboratory (ORNL) where he eventually returned to as a research ecologist. Before retiring in 2004, Jim



Jim and Dorcas McBrayer

worked his way up to R & D Group Leader, Department Head, Sr. Research Advisor, and finally Manager of Strategic Planning and Business Development for the Environmental Management business unit. He and his wife, Dorcas, live on the border of the Big South Fork National River and Recreation Area where they 'indulge' their interests in history, hiking, woodworking, and photography. Jim would love to hear from fellow students and staff at Purdue. His address is P.O. Box 15, Rugby, TN 37733.

Centennial Boilersphere

The Department has established an electronic community (or eCommunity) to generate interest and promote our upcoming centennial called "2012 Entomology Centennial." This is part of Boilersphere, a professional and social network available exclusively to Purdue people provided by the Purdue Alumni Association. We hope to establish a place where alumni, staff and friends can share stories, exchange photos and generally reminisce. If you would like to join, please visit <<https://www.purdue.edu/apps/account/BoilersphereLogin>>

If you are already registered with the Alumni Web Community (AWC), please use that username and password to login to Boilersphere. Otherwise, you will find a link to register for Boilersphere in the right column on the login page. Please fill out the required information to register.

After you have accessed your new account, find the tab at the top of the window that says "Groups." When you hover on that tab, a submenu will appear below the tab row; choose "Find." Then search for "2012 Entomology Centennial" (without the quotes). This will bring up our new group and give you the option to join. We look forward to seeing you in the group!

Willis Smith (BS '74) is an agronomist at Senesac, Inc. in Fowler, Indiana. Upon entering the Department of Entomology, Willis was married with a small child and employed full-time at Alcoa. It was the special efforts of Dr. Dobson and Dr. Chandler that kept him

motivated during his academic career. After graduation Willis soon discovered there were not many job openings for an entomologist so he took a retail sales position with an agricultural chemical distributor. He had no sales experience or knowledge of pesticides, and it was a brand new territory but he got along fairly well for two years. The next retail sales position (10 years) required getting on the fast-track for learning weed identification and control, and out of necessity, he became proficient in the control of pests in turf, ornamentals, and vegetables. Willis then moved on to Senesac, Inc. where he has been for thirteen years. It was another fast-track learning episode in soil science and fertility. He called on the end user of the products and found great satisfaction in seeing the results of his recommendations, both through the growing year and at harvest. A few years after starting, Willis was asked to be the lead in the company's new venture of selling seed. Once again, he was on a fast learning track, this time on seed and traits. Willis credits the entire Entomology Department for providing him with the ability to quickly learn and adapt to the new skills necessary for his career changes.

Muaka Toko (PhD '93) Since graduation, Muaka has been with the International Institute of Tropical Agriculture (IITA)



Muaka Toko

in Cotonou, Benin, West Africa. He has held the positions of Visiting Scientist, Consultant in IPM activities (mainly vegetables) and Desk Officer of West Africa Network of Taxonomy, a LOOP of BioNET International (WAFRINET). With deep regret, Muaka remembers his late major professor, Bob O'Neil, particularly when he sees the local restaurant where they shared local Beninese food, and the tourist site they visited at Ganvie (a village built on a lake) when Bob went to Benin in 1991 to see the progress of Muaka's field activities as part of his PhD. Steve Yaninek was then the Project Leader of the Cassava Green Mite Project. He also remembers **Al York**, **Larry Murdock** and **Dick Shade**.

Non-profit
Organization
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Calendar

January

5 - 9 Purdue Pest Management Conference

March

15 - 18 ESA-NCB Annual Meeting - St. Louis

April

5 - 9 CSREES Department Review

18 - 19 Bug Bowl

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>