

Entomology@Purdue

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From the Pittendrigh Laboratory

This past year, our laboratory said farewell to Joao Pedra (PhD '04), who is now a Post-Doctoral Fellow at Yale University School of Medicine (Department of Internal Medicine, Section of Rheumatology). Joao had a busy summer this past year; he finished his degree, got married, and moved to Connecticut all in a matter of a few weeks. Joao finished his Ph.D. with six publications including a recent paper in PNAS (Proceedings of the National Academy of Sciences) and a publication in Proteomics in which artwork representing our research was featured on the cover. This past fall Joao was selected

ogy at the University of Florida in Gainesville. We continue to collaborate with Mike on projects related to pesticide resistance.

Matt Tarver is currently finishing his Masters' degree under the direction of both Dr. **Larry Murdock** and myself. Matt is in the process of finalizing several manuscripts for submission to peer reviewed journals. He is planning to start a doctoral program under the direction of Dr. Mike Scharf at the University of Florida this summer. Matt has mentioned, on more than one occasion, that he will not miss the cold weather.

Over the past year and a half, new members of the laboratory program have



PITTEDRIGH LAB MEMBERS: Front Row (l-r) Hongmei Li, Charles Bacon, Barbara Sanchez-Neri, Susan Balfe, and Larry Murdock; Second Row, Yaritz Charneco-Acevedo, Margam Venu, Weilin Sun, Matt Tarver and Barry Pittendrigh.

for "The International Congress on Insect Neurochemistry and Neurophysiology (ICINN) Student Recognition Award in Insect Physiology, Biochemistry, Toxicology, and Molecular Biology" given by the Entomological Foundation (2004). Joao has been keeping us informed of his progress and we are still working on several more manuscripts for submission later this year.

The laboratory also said goodbye to Dr. **Mike Scharf** (Center for Urban and Industrial Pest Management) and **Dancia Scharf**. Both Mike and Dancia accepted positions in the Department of Entomol-

come onboard. Dr. **Weilin Sun** has joined our research program and is working on a variety of projects including termite developmental biology in collaboration with Drs. **Gary Bennett** and **Grzesiek Buczkowski**.

Three new graduate students have joined the laboratory, **Barbara Sanchez-Neri**, **Yaritz Charneco-Acevedo**, and **Venu Margam**. Barbara joins us from the Department of Biochemistry here at Purdue University. Yaritz recently completed her B.S. degree from University of Puerto Rico-Aguadilla (Department of Natural Sciences-Biology) where she graduated Magna Cum Laude. Margam came from

(Continued on page 2)



Steve Yaninek

From the Head Bug

Council Developments

Some of us get the pleasure of working with groups that make a difference. I can tell you with all sincerity that the Department of Entomology Development Council is one of those groups. We recently held our 9th council meeting this past spring, and the enthusiasm and support we receive from this group is simply outstanding. Council members are genuinely interested in the well being of the department, and put in significant time and effort on a volunteer basis to show their support.

The first council convened in July 2001 under the chairmanship of Austin Frishman (PhD '68). The inaugural committee included Muriel Andrew (friend), Max Bales (staff), **Rich Edwards** (faculty), **Martha Hill** (staff), Niles Kinerk (friend), Dave Mueller (BS '75), John Osmun (ex officio), John Owens (MS '77, PhD '80), **Tom Turpin** (faculty), and myself. The charge of the council is to provide feedback and advise on our programs and priorities from the perspective of alumni and friends of the department, promote our mission, programs, and accomplishments, and help with fund raising. The council seized the challenge and made it an opportunity almost immediately. Some early suggestions to redesign our newsletter and website substantially improved our communications with alumni and friends. Our first Departmental Strategic Plan and the periodic revisions all have council input, as

did the self-study document we compiled for our external department review in 2001. The council made useful suggestions we incorporated into our annual fall "Friends of Entomology" solicitation campaign that accompanies every fall newsletter.

Perhaps the most significant accomplishment of the council was initiating the campaign that eventually raised \$1.5 million to endow the O. Wayne Rollins/Orkin chair in Urban Entomology, and resulted in the department receiving the 4th and final Bindley matching endowed chair in Agriculture, also \$1.5 million.

In addition to semi-annual spring and fall meetings on campus, the group works between meetings on a range of issues. The work of the council continues today with a campaign to endow a professorship or chair in the name of John V. Osmun, helping the department enhance the diversity of our students, staff, and faculty, promoting science literacy and educational outreach, and establishing an ad hoc committee of alumni to plan our centennial celebration in 2012. Over the years the membership has changed when 3-year terms expired or other commitments force members to resign. Bob Abrams (MS '79), Marlin Bergman (PhD '83), Bobby Corrigan (MS '80, PhD '95), Mike Culy (BS '79, MS '82, PhD '87), and Joe Ruhl have replaced the original members representing the alumni and friends. Eric Putman replaced Max Bales as our Purdue University Development Officer in 2003, and **Mike Mullis** came on board as outreach coordinator in 2004 after Martha Hill left the department. The chairmanship of the committee rotated to Dave Mueller in 2002, then to Mike Culy in 2004. We can expect more changes in membership and new accomplishments when the Council meets this fall. For all they do and all they give to the Department, I thank the council present and past, and wish them many more productive years in the future.

~Steve Yaninek~

(Continued from page 1)

University of Kentucky where he completed his M.S. degree and he is currently working with Dr. Murdock and myself on issues associated with pests of cowpeas. All three students have hit the ground running and are working on a variety of projects dealing with the molecular basis of metabolic pesticide resistance, molecular markers, and digestive genomics.

Hongmei Li (PhD student) and **Susan Balfe** (research associate) continue to make excellent progress on work relating to digestive genomics in the cowpea weevil. This has been ongoing work we have been doing in collaboration with Dr. Larry Murdock. **Charles Bacon** is working in the laboratory several days a week as support staff. He helps keep the laboratory running smoothly.

Our extension genomics work has been moving along nicely. We have continued to collaborate with Dr. Orvis in 4-H on this project. More recently we have also begun to work with Drs. **Alan York** and **Chris Oseto** on developing approaches to teach genomics to visually impaired and blind students.

The laboratory has been fortunate enough to receive continued federal, private, and state funding, as well support from the Department of Entomology and Purdue University. On a personal note, I was very happy to have made it over the tenure hump this past year and I look forward to working with the department for years to come.

~Barry Pittendrigh~

John V. Osmun Award Nominations

The nomination form for the 2005 Osmun Alumni Professional Achievement Award in Entomology is available at <http://www.entm.purdue.edu/osmunaward/nomination.html>. The deadline for submitting nominations is June 1st.

Department News

Weddings and New Arrivals

Paula (Lloyd) Layden married Mark Layden on November 6th. Paula is the Administrative Assistant to the Department Head and editor of Entomology @ Purdue.

Steve and **Brandi Schemerhorn** have a new son, James Paul, born on March 3rd. Brandi is a faculty member with USDA-ARS.

Awards

Al York was selected as the Outstanding Undergraduate Counselor in the Department of Entomology. **Chris Oseto** was

selected as the Outstanding Undergraduate Teacher in the Department of Entomology. Al and Chris were honored at the College of Agriculture spring awards reception in April.

Jeff Stuart was recently honored as the 2005 Distinguished Alumnus in Entomology at Kansas State.

Tom Turpin has been selected as the recipient of Purdue's One Brick Higher Award in recognition of setting the standard for dedication and excellence. The award will be presented at the fall President's Forum on September 8, 2005.

Murphy Award Winner



Chris Oseto was selected as one of six Murphy Award winners for 2005. The Murphy Award is the most prestigious teaching honor at Purdue University with competition among the very best teachers across the entire University. The award was announced in April at the University Honors Convocation. Congratulations, Chris, for this outstanding accomplishment.

Rick Foster and **Larry Bledsoe** (MS '81) were presented with awards at the 2005 NCB-ESA Conference at Purdue.



TEAM AWARD: Larry Bledsoe (MS '81) receives a Special Projects team award. The team developed consensus recommendations for soybean aphid control.



NATIONAL AWARD: Rick Foster wins the National ESA Award for Excellence in Integrated Pest Management.

2005 ESA-NCB Conference at Purdue

The 2005 Entomological Society of American-North Central Branch meeting was a great success. Over 300 participants enjoyed the Purdue campus and the general atmosphere surrounding the event. There were 166 presentations, 85 posters, 12 symposia, 4 student paper competitions, and 2 submitted paper sessions.

Other events were *Early Morning with Tom Turpin*, a special show in the opening session, the Linnaean Games, Awards Luncheon, a student mixer and several informal working group meetings.



AWARDS LUNCHEON: (l-r) Mike Mullis, Steve Yaninek, Ian MacRae, Larry Charlet, and Gary Brewer

69th Purdue Pest Management Conference

The 69th Purdue Pest Management Conference, sponsored by The Center for Urban and Industrial Pest Management was held in January. Industry experts who spoke include **Austin Frishman** (PhD '68), George Rambo, Dean Stanbridge, Eric Ham, Shep Sheperdigian, John Mueller, Pete Markham, Kim Kelley-Tunis, and Jeff McGovern. We're proud of our alumni, **Bobby Corrigan** (MS '80, PhD '95), **Carl Hinderer** (BS '80), **Neal Haskell** (BS '69, MS '89, PhD '93), **Gary Braness** (PhD '90), **Dean Brad** (BS '99, MS '03), **Kathy Heinsohn** (PhD '98), and **Stoy Hedges** (BS '81) who were also on the program. Entomology's own **Jody Green** (MS '04), **Al Fournier**, **Judy Loven**, **Jodie Ellis**, **Changlu Wang**, **Grzesiek Buczkowski**, and **Tim Gibb** all worked to make this year's conference a terrific success. Over 800 people attended and over one third were first time attendees.

The conference was dedicated to long-time attendees (42 years each!), Charles and James Haggerty of American Pest Control, Hanna City, Illinois, for their support of the Purdue Conference and the Pest Management Industry. The 70th Purdue Pest Management Conference is scheduled for January 9-13, 2006.

Development Update

Gifts in 2004

Alumni and friends were very generous in 2004 with monetary gifts. The department would like to extend a special thank you for over \$11,000 in contributions not designated for specific use. We greatly appreciate your support and for making a difference.

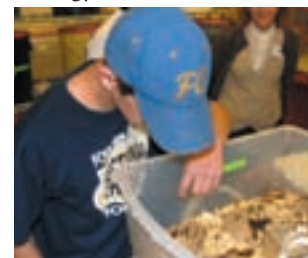
Outreach Update

New Website

Visit the new Entomology Outreach website to find descriptions of insect-related presentations and special programs provided by faculty, staff, and students on and off the Purdue campus for children and adults. Check the calendar for upcoming events or request a presentation or special program for your class or organization. Students participating in the 4-H entomology project may also find helpful insect facts and links. The teacher resource page contains classroom activities, lesson plans, and insect rearing information for using insects to teach science concepts in the classroom. <<http://www.entm.purdue.edu/Entomology/ext/Outreach/index.html>>

Day in the Department

The Department hosted high school students and their parents for a "Day in the Department" in April. Students were recognized for their achievement during the 4-H Entomology project and/or the State Entomology Contest. Students and parents had



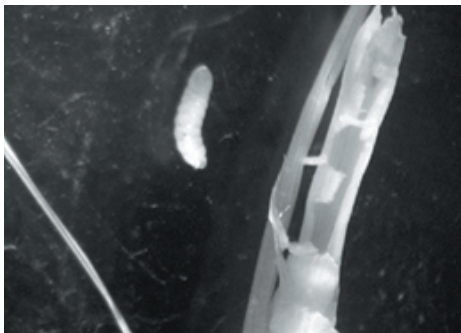
CURIOS: Participant explores exotic cockroaches

an opportunity to learn more about insects, discover what entomologists do, and learn what we are doing in the

Department of Entomology at Purdue University. Participants toured our research labs and museum. In the afternoon they learned about forensic entomology from Dr. Tom Turpin.

On the Road: Jeff Stuart Visits Counterparts in India

The Asian rice gall midge (RGM), *Orseolia oryzae*, and the Hessian fly, *Mayetiola destructor*, are two of the most important insect pests of cereal crops. These insects both belong to the gall midge family (Cecidomyiidae) and share the habit of feeding on the developing tissues of the stems of their respective host plants, rice (RGM) and wheat



ASIAN RICE GALL MIDGE LARVA: Dissected from the rice gall shown at the right. Like the Hessian fly, this insect alters the growth of a developing stem and prevents that stem from producing seed.

(Hessian fly). The main control method for each insect is the incorporation of major resistance genes into the cultivars. Both insects, unfortunately, are also able to overcome resistance in a similar manner: through the selective accumulation of mutations in the genes that determine their virulence to specific resistance genes in the plants.

The commonalities between these insects took **Jeff Stuart** to India for 2 weeks in February where RGM is a persistent and serious problem. Jeff, who studies the genetics of the Hessian fly, met with counterparts in three Indian locations. In Delhi, he met with a group of investigators led by Dr. Madan Mohan at the International Centre for Genetic Engineering and Biotechnology where research is focused mainly on understanding the mechanisms of RGM resistance in rice. In Hyderabad, he met with another group led by Dr. Jagadish Bentur at the Directorate of Rice Research where research is focused on rice improvement and RGM biology. In Eastern India at Cuttack, he met with another impressive group led by Dr. Sarat Sahu who has been largely responsible for working out the cytogenetic similarities between the two insect species. This visit strengthened collaborations between the Indian scientists and scientists at Purdue. We hope it will lead

to a comparative genomics approach that will improve the durability of resistance to these insects in both rice and wheat.



SAHU LAB: Scientists in the laboratory of Dr. Sarat Sahu (2nd from right) at the Central Rice Research Institute in Cuttack, India.

A visit to Kakatiya University in Warangal, India (near Hyderabad) brought Jeff in contact with the family of Entomology graduate student, **Venu Margam**. The visit was hosted by Dr. Lakshmiathi Vadlakonda, head of the Zoology department at the university.



FAMILY TIES: Jeff visits with Venu Margam's sister, Jayasree (left), uncle, Vishwanatha, and niece, Sathvika



THOUSAND PILLARS TEMPLE: Dr. Lakshmiathi Vadlakonda was Jeff's host while visiting the Hyderabad area.



The Honor Roll recognizes those who made new gifts to the Department from July to December 2004.

Monarch Club (\$1000 up)

Mr. and Mrs. C.W. Bartholomai

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

Dr. Robert D. and Karen M. Tarver
Anonymous

Firefly Club (\$101-\$499)

Dr. Clarence Arthur Callahan
Dr. Stephen R. and Bonnie Johnson
Lyle E. Matteson
Vincent E. Scala
Pestagon Termite
Robert S. Trueman, M.D.

Mayfly Club (up to \$100)

Muriel S. Andrew
Kenneth W. and Linda L. Ash
Karen McIntosh Bernhard
Frank E. Bohman, Jr.
Billy A. Butt
James E. Cilek
Gregory Lee Davies
Dr. J. Kevin and Bernice Bacon DeMarco
William K. Delaplane, Jr.
Dr. Steven Krogh and Lynn D. Derr
Stephen Alex Clugosz
Dr. Robert S. and Patricia A. Edgecomb
David W. and Ann Denslow Fincannon
Dr. Gerard J. Florentine
J. Scott and Suzanne M. Gens
Karen M. Holz
Dr. Henry R. Lawson
Pamla L. Mackey
Brian D. McFall
Dr. John J. McHugh, Jr.
Dr. Harry B. and Nancy Moore, Jr.
Dr. Richard L. Miller
Thomas Vern Myers and
Waynetta Callaway Myers
Judy Ann Neff
James D. Palmer
Dr. Eric Lee-Chien-Hsin Pang
James C. and Sharon C. Porter
Dennis A. and Barbara S. Rone
Angela Rust
Dr. Brian Schneider
Mark D. and Kathleen K. Shelton
Dr. Mark Hopkins Shour
Dr. Eric H. Smith
Dale D. Stanton II
Carolyn Workman

Entomology Students

2005 ESA-NCB Student Competition

Matt Tarver won 1st place for BS/MS students for his presentation on Micro-CAT Scanning: A New Look into Bruchid Resistance in Cowpea Seed. Rajat Aggarwal won 2nd place for PhD students for his poster on Applying Fiber-FISH in Functional Insect Genomics. Casey Butler won 1st place for BS/MS students for his poster on Selected Life History Characteristics of Nymphal and Adult *Orius insidiosus* Fed Soybean Aphids.



Matt Tarver: 1st Place Winner for BS/MS Student Presentations



Rajat Aggarwal: Takes 2nd place for PhD Posters



Casey Butler: 1st Place Winner for BS/MS Student Posters

Over \$45,000 Awarded in Scholarships at the 69th Annual Pest Management Conference



2005 SCHOLARSHIP WINNERS: 1st row (l-r) Walter Baldauf, Linda Mason (Chair, Awards & Scholarship Committee), Jenny Franklin (Secretary for Student Services), Jessica Platt; 2nd row - Ed Russell, Shujuan Li, Tina Tsai, Margaret Schwinghammer, Marcus McDonough, Hongmei Li, Nick Seiter; 3rd row-Jesse Hoteling, Megan Corso, Kyanne Reidenbach, Kate Girsch, Jody Green, Casey Butler, Jami Guenther, Autumn Nance, Dr. Dale Whittaker (Assoc. Dean of Academic Programs) ; 4th row-Anne Radavich, Wai-Han Chan, Calob Cummings, Chris Paulsen, Tyler Janovitz, Al Fournier, Matt Tarver, Ashley Walter, Kris Wyckhuys, Omprakash Mittapalli

2005 Spring Graduates

Ashley Walter, BS, will continue in a Master's program with Dr. Cliff Sadof.

John Gretencord, BS, accepted a position with Beck's Hybrid.

Al Fournier, PhD, accepted a position as IPM Program Manager at the University of Arizona, based at the Maricopa Agricultural Center outside of Phoenix.

Jami Guenther, MS, will begin her career as a Quality Specialist for McCall Service, a pest control company in Brandon, Florida.

Matthew Tarver, MS, is entering the PhD program at the University of Florida in Gainesville. Matt will be working with Mike Scharf (BS '91, MS '93, PhD '97) in the Department of Entomology and Nematology.

from the Pre-Vet Program is from Greenwood, IN; Sam Luckett, freshman codo from the Pre-Vet Program is from Greenwood, IN; B.J. Moyars, junior codo from Liberal Arts is from Oxford, IN; Austin Schwank, sophomore codo from the University Studies Program, is from Lafayette, IN.

2004-2005 Outstanding Entomology Students

Outstanding Freshman

Kristi Jukovich from Valparaiso, IN

Outstanding Sophomore

Nick Seiter from Greensburg, IN

Outstanding Junior

Tyler Janovitz from West Lafayette, IN

Student Accepts Honorary Membership

Tyler Janovitz, a junior from West Lafayette, accepted an offer of membership to the Phi Beta Kappa Society. The society recognizes excellence in liberal arts and sciences. Tyler, a double major in Entomology and Biology, plans to attend Harvard Medical School after graduation.



Tyler Janovitz

New Spring 2005 Students

Undergraduates:

Spencer Baumgartner, junior codo from the University Studies Program, is from Syracuse, IN; Brandon Smith, sophomore codo from the University Studies Program, is from Delphi, IN; Ian Smith, junior codo from the College of Science is from Indianapolis, IN; Taylor Di Santi, freshman codo from the Pre-Vet Program is from Indianapolis, IN; Jenny Gordon, freshman codo from Liberal Arts is from Kokomo, IN; Terri Hoctor, freshman codo



Kris Wyckhuys

A suitcase filled with ants, and hibiscus tea to drink away upsurges of nostalgia...

Dec 27, 2003. 6.00 am. Only a couple of hours keep me from leaving the country whose hospitality I enjoyed during almost 15 months. A last time I hear the swelling cacophony of the zanates in the tulip trees in front of my apartment. A final glimpse... on the daily ritual of street vendors exposing their wares, or maneuvering to secure a tiny space on one of the buses that head towards the capital. 'El Zamorano' Panamerican College of Agriculture reads the sign on the Toyota pick-up that will carry me and my luggage from the lushly green campus to the international airport at the outskirts of Honduras' capital city.

Zamorano, a premier institution for agricultural education in Latin America, was my home during my entire in-country stay. For 2 years during the rainy season, I left the Zamorano campus on a daily basis, heading on muddy roads towards the mountain communities where I did my field research. For my PhD study, I characterized social and ecological drivers behind farmers' adoption of IPM/biological control in subsistence maize farming systems. The rural communities surrounding the Zamorano campus constituted an ideal setting to test many of my initial research hypotheses.

Now, March 2005, about 15 months after my return from Honduras, I'm on the brink of graduating. Under close guidance and encouragement of my major advisor, **Bob O'Neil**, I'm currently putting the last hand on a set of papers

that describe various facets of my work. Graduation so close-by, will bring many changes... it inevitably means I will move on to new horizons. In early summer, I'm planning on relocating to Minneapolis/St. Paul to conduct baseline research that will help pave the road for classical biological control against the soybean aphid, a pest currently affecting one of the US key agricultural commodities.

I'll also be on the outlook for more permanent job openings. My long-term ambition is to be intimately involved in international work and to make a difference in some of the world's regions that are deprived of skilled scientists. International work and travel has definitely dominated my life in the past 5 years. Even before coming to Purdue, I worked one summer at the Koppert BV headquarters (Holland), while the next I was relaxing at the Szechenyl thermal baths (Budapest) after a week of meetings with our Hungarian counterparts in an EU environmental project. After all those travels, I must admit that the pleasures of traveling not only consist of exploring new cultures and environments but mostly of the obstacles, the fatigue and even sometimes the danger.

Graduating also means looking back to recognize the people that made this graduation possible. I want to thank Bob O'Neil for his incessant support and advice, even during times I was plagued by muddy roads, car repairs and harsh weather conditions while abroad. I also wish to thank the Purdue Department of Entomology, for being such a wonderful and dynamic group of people who have stimulated, developed and challenged me professionally.

~Kris Wyckhuys~

Kris Wyckhuys is a Belgian bio-science engineer, who's currently finishing his PhD project with Dr. Robert O'Neil on conservation biological control in Honduras.



Alumni News

Bonnie K. MacLean (MS '65, PhD '72) is married to alum **David B. MacLean** (MS '65, PhD '69). Bonnie served as a faculty member in the Biology Department at Youngstown State University and was a member of the Biology Department at Thiel College in Greenville PA, where she currently holds rank as Professor Emerita. She taught General Biology, Biological Methods, and General and Aquatic Ecology, Parasitology, Plant Kingdom and Vascular Plants. Bonnie's retirement activities include teaching a six-week course on Wildflowers of the Northland. She also holds membership with the Cook County, Minnesota Extension Committee, the Cook County, Minnesota Water Planning Board, and the Minnesota Pollution Control Agency.

David B. MacLean (MS '65, PhD '69) was a member of the Biology Department, Youngstown State University, Youngstown, Ohio, where he holds the current rank of Professor Emeritus, a member of the Executive Council, The Ohio Biological Survey, The Ohio State University, and Citizen Ambassador of a People to People International Lepidopterists Delegation to Hong Kong and mainland China. David taught a variety of classes in biology, physiology, zoology, entomology, and ecology. His most recent activities include presentations on Butterfly Gardening and Butterflies of Special Concern of the Superior National Forest, private consulting on annual inventory of wetland invertebrates of the Grand Portage Reservation, and vegetational analysis of the Grand Portage National Monument in Minnesota. David and his wife, Bonnie have co-authored several publications together.

Stephen P. Yanoviak (MS '93) wrote to us with his update. Be sure to see the videos on Steve's canopyants.com site at the end of this article. "A few months after completing my MS degree at Purdue, I started working toward a PhD under Ola Fincke in the Department of Zoology at the University of Oklahoma. I spent most of the next five years studying the fauna of water-filled tree holes on Barro Colorado Island (BCI) in Panama, part of which was funded by Fulbright and Smithsonian fellowships. I learned to climb trees using ropes and ascenders while on BCI. That led to my first postdoctoral posi-

tion—a comparison of foraging preferences between arboreal ants and leaf litter ants on BCI—in collaboration with Mike Kaspari at the University of Oklahoma.

In late 1999, I started a new postdoc with Nalini Nadkarni of The Evergreen State College in Olympia, Washington. This time the focus was on arthropods in epiphytes, and the site was montane cloud forest in and around Monteverde, Costa Rica. My next (current) postdoc brought me to the Amazonian forests surrounding Iquitos, Peru, in 2002. I am responsible for collecting mosquitoes and managing field operations for a large emerging infectious disease project. The work is funded by an NIH grant to Scott Weaver at the University of Texas Medical Branch, and Phil Lounibos at the Florida Medical Entomology Lab is my principal collaborator for the mosquito research.

The project will be coming to a close this year, but new opportunities are on the horizon. At least one of these may be related to an interesting discovery I made about gliding behavior in canopy ants (see the 10 Feb. 2005 issue of *Nature*). More information is posted on my website” < www.canopyants.com >.

Aaron Fleischer (BS '51) started his own pest control company in 1962, sold it in 1987 and retired in 1988. He also bought,



Aaron Fleischer

and developed commercial real estate, was active in many committees of national and local pest control associations, and president of New England Pest Control Association. A retired Lt. Commander from the U. S. Navy, he was a medical entomologist and served as district (6th Naval) industrial hygiene officer during the Korean conflict. Aaron lives in Chestnut Hill, MA.

John H. Greve, DVM, PhD, an Entomology minor at Purdue, studied under Dr. Osmun while qualifying for his PhD in Veterinary Parasitology. Crediting the department for excellent training he maintained an interest in entomology where it intersects with veterinary medicine. John retired from the faculty of Vet Med at Iowa State University in 1999, where he had ample opportunity to run into entomological [parasitosis]

routinely. John wrote, “It seems that my students were overly enamored with cases of myiasis caused by *Cuterebra* spp., because there were the first comments to me each fall after the students returned from summers working in veterinary practices - and their eyes were wide with excitement at the grubs that resembled the “Michelin Man”! Aren’t students great? My major professor was Dr. Sayed Gaafar, who still resides in West Lafayette. What a grand man he was as a major professor. It’s my opinion that the faculty at Purdue during the 50’s and 60’s was the greatest - it may still be, for all I know.”

Bill Delaphane (BS '38) wrote: “I’m bidin’ my time, that’s the kinda guy I’m,” as the old song goes. At 90 I find old age sucks. Yet, I remember so well the first Purdue PCD Conference. It seems like yesterday! I was a junior at Purdue, studying under our beloved J. J. Davis and his staff; Professors H. O. Deay - a real motivator, B. E. Montgomery, George Gould, Galen Oderkirk, et.al. I worked at the Student Union, dragging dirty dishes. I dragged them from the table after W. W. Scott, N. E. Armell, later Orkin, George Hockenyo, the initiator of what evolved into present day approaches to rodent and bird control techniques and the first to use chlordane for roach control. His Hockenyo Associates, the precursor of what is now COPESAN, helped get quite a few of [our] fledgling pest control firms started and established. George was my icon, then there was Bill Buettner, the one guy, among others, who most contributed to getting the NPCA off the ground. There were a few others at that first [conference] whose names don’t come quickly. It isn’t easy as an independent, competing with the “Big Guys” whose operations are too often suspect, or worse. But we’re slowly gaining for we emphasize quality and integrity.....It would be good to hear from any of the other ‘old codgers.”

Stephen Kells (PhD '98) has returned to the United States after five years in Canada. After his PhD with **Gary Bennett** and a one year Post Doc appointment with **Linda Mason**, Steve worked at Abell Pest Control (Canada) as Technical Director in charge of quality assurance, training and technical services. During this time, Steve received a Top 40 award recognizing leaders of the Pest Control Industry. This award was sponsored by Pest Control Technology (PCT) Magazine. Steve, his wife, Alice, and family are

now in Minneapolis, MN, having accepted a position as Assistant Professor in Food Processing and Structural Entomology at the University of Minnesota.

Bernard P. (Bernie) Kolkana (BS '39) received the coveted “Pioneer Award” in 1991, Florida Pest Control Association’s highest honor. His work in the evolution of drywood termite treatment led to the first retail tent fumigation with dirigible rubber-coated nylon, and he helped develop a standardized tent material. While working with the Jacksonville Health Department and Director of the Rodent Control Program, he was the first to use a vial of 1080 Rat Poison on a test basis. In 1946, he joined Orkin Exterminating and in 1976, purchased Palm Beach Exterminating where Bernie is still President and consultant. In 2004, the company had yearly charges of \$6.5 million, 90% within 25 miles of the office.



ESCAPING HURRICANES: Bernie with his sister in Lafayette. His daughter and son-in-law flew him in their plane to visit his sister and wait out one of the Florida hurricanes.

C. W. “Bart” Bartholomai (BS '42, MS '48) wrote to us from Atlanta, Georgia. Previously retired from Civil Service, his professional ties with entomology ended when he was transferred from the Active Army Reserve and his mobilization assignment to the Retired Reserve. Bart’s interest in his family history has branched into finding out what happened to Vince Wall, a classmate in December 1942.

Julie Miranda (BS '01) will graduate with an MS in Plant Pathology from North Carolina State University in May 2005. She plans to remain in the area and has returned to her entomology roots by beginning work with the BASF Global Insecticide Research group in Research Triangle Park, NC. She would like to thank **Rick Foster** and **Chris Oseto** for her start as a Young Scholar and **Alan York** and **Jon Neal** for their apt career preparation in ENTM 515 Insecticides.



Calendar

June

- 4 Forensic Science for the Public - Workshop I
Purdue Entomology Dept, Smith Hall
- 8-10 Entomology Science Workshop for Youth

July

- 9 Forensic Science for the Public - Workshop II
Purdue Entomology Dept, Smith Hall
- 16 Tippecanoe County Butterfly Count

August

- 10-21 Indiana State Fair in 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?

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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>