



# Entomology@Purdue

**PURDUE**  
UNIVERSITY

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## Teaching

In 1926, **J. J. Davis**, Department Head at Purdue, wrote the following:

"It is unnecessary to speak of the opportunities for the man who selects insect study as a pastime. He has an inexhaustible field for which is unexcelled for variety and interest.

For the farmer or physician, the field is both interesting and important. And for them, a good knowledge of insect life is of great importance, increasingly so, as we learn more and more of the interrelations between plants, animals, humans, and insects.

To the man who seeks entomology as a vocation, it may be said that there is an increasing demand for persons well-trained in entomology. There is a field for almost every type of man who finds pleasure in the subject, who has had the necessary training, and who has the energy to fulfill the exacting demands." (Proc. Ind. Acad. Sci., (1926) 34:299-302).

With the exception of J. J.'s generic referral ('man' – more than one-half of our undergraduates are female) his statements are still valid today. We see continued good opportunities for students graduating from entomology. The teaching program continues to expand with new and pertinent offerings while maintaining the mainstays of the program.

Several new offerings have attracted the attention of several hundred students across campus. New course offerings by **Ralph Williams** and **Dave Tate** (School of Health Sciences) in forensic sciences are as successful as Entomology 105: Insects Friend and Foe.

A series of three courses are being offered within the Department of Entomology concerning forensic science. The first course (lecture only), Introduction to Forensic Sciences, in-

roduces the student to the many fascinating facets of forensic investigation. These phases of investigation include crime scene techniques, firearms, entomology, blood spatter, DNA analysis, pathology, toxicology, anthropology, botany, trace evidence, computer crime, court room involvement, and new trends in forensic investigations. Students not only get a thorough overview of forensic science but also have the opportunity to meet key experts in the field invited to participate in the course.

The second course, Criminalistics: Crime Scene Techniques and Management, is a lecture course with an optional laboratory. Lectures provide the student details of crime scene analysis and techniques. It focuses on crime scene management: recognition, documentation, collection preservation and processing of crime scene evidence.

Students not only learn details of crime scene investigative procedures but have the opportunity to meet key experts in the field invited to participate in the course. In the optional laboratory course, students learn these crime scene management techniques hands-on and will experience a crime investigation as part of the lab experience.

The third course is an advanced laboratory in forensic science. Students learn laboratory and field techniques in forensic evidence collection and analysis. This includes serology, DNA, entomology, soils, botany, trace evidence, ballistics (firearms examination), computer crime analysis, and documents, among others. Preparing for courtroom testimony will also be addressed.



**MAYMESTER IN U.K.: Al York (l) at Burial Mound at Lower Pertwood**



Steve Yaninek

## From the Head Bug

### The Economy, Entomology, and Our Graduates

It's fall and time to recruit students into entomology. One thought that crosses my mind as we make a case for budding life scientists to consider careers in entomology is the impact of the recent economic downturn on jobs and career prospects for our graduates. Entomologists typically have little trouble moving on in their careers. In a previous column (fall 2001), I outlined the wide range of careers available to students in entomology. Is this still true today as graduates face one of the toughest economic markets in many years?

While the job market has been soft in most economic sectors, our students continue to secure jobs and pursue graduate school. Our undergraduates have found jobs in industry despite the economic slow down. **Carrie Kinslow** (B.S. '02) got a job with Indiana Pest Control in Kokomo, and **Desiree Richardson** (B.S. '02) took a position last year with Steritech in Florida. Many of our undergraduates continued their studies as graduate students. **Andy Michel** (B.S. '01) left for Notre Dame, and **Julie Miranda** (B.S. '01) has gone to North Carolina State University. **Lauren Street** was accepted into Veterinary Medicine here at Purdue this fall.

Each year a number of our undergraduates decide to continue their education at Purdue as MS students. Recent examples include **Lori Sulek** (B.S. '01), **Matt Tarver** (B.S. '02), **Joanie Corn** (B.S. '02), **Jessie Hoteling** (B.S. '03), and **Casey Butler** (B.S. '03). We encourage all of our M.S. students interested in a Ph.D. to move on to other institutions to broaden their training and experience. Those that choose the job market have not been disappointed. **Dwain Rule** (M.S. '00) now works for Midland Co-op as a pest control advisor here in Indiana, and **Dean Brad** (MS '03) has just started at Steritech in Florida where he works with Desiree Richardson (BS '02).

Our Ph.D. students have also done very well. **Luis Cañas** (Ph.D. '00) was a post-doc in Arizona before joining the faculty of Ohio State University this year. **Pat Randolph** (Ph.D. '02) accepted a position as academic coordinator in the Division of Biological Sciences at U.C. Davis. **Fernando Valicente** (Ph.D. '02), **Miguel Arrechaleta** (Ph.D. '03), and **Pablo Benevides** (Ph.D. '03) all have positions in academia or industry in their home countries. **Anika Sabo** (Ph.D. '02) received training in the emerging field of bioinformatics and landed a position at George Washington University in St Louis. **Corey Gerber** (Ph.D. '03) finished this spring just in time to become the new director of the Diagnostic Training Center here in the School of Agriculture.

Obviously our students are doing well, and the training and experiences they receive here at Purdue and in the Department is part of their success. What better way to make a case for a degree in entomology than to point to our students.

- Steve Yaninek -

## Department News

### Births:

Steve and **Brandi Schemerhorn** welcomed Nicolas Daniel into the world on June 17, 2003. Brandi is an adjunct faculty with USDA/ARS.

Julia and **Barry Pittendrigh** are the parents of a daughter, Natalie Carmen, born on July 16, 2003. Natalie has a brother, Quintin, at home. Barry is an Assistant Professor of Entomology at Purdue.

### Departing Staff:

**Amanda Brandt**, technician for **Larry Murdock**, began working for the USDA in April 2003.

**Farah Heraux's** position as Coordinator of the ACORN Project has been completed. Farah worked with **Bob O'Neil** and **Cliff Sadof** on the program.

**Weimin Ye**, post-doctoral associate with **Gary Bennett**, left Purdue in May to work at the Hubbard Center for Genome Studies at the University of New Hampshire.

**Ron Blackwell**, Extension Pest Management Survey Specialist with **C. Richard Edwards**, has accepted a position as county deputy with the Clinton County Sheriff's Department. Ron's last day in the department was on August 8, 2003. Law enforcement has been a lifelong dream for Ron.

(Teaching continued from page 1)

In keeping with the Department's commitment to international awareness **Al York**, **George Van Scoyoc** (Agronomy), **Paul Pecknold** (Botany and Plant Pathology), and **John Graveel** (Agronomy) conducted a Maymester Study Abroad course in the United Kingdom and Netherlands. The course examined organic farming in England, Wales, and the Netherlands with an emphasis on crop protection. Fifteen students from six departments spent approximately four weeks traveling throughout the area studying animal and plant agriculture. All agreed that it was a very successful endeavor. Next May, **Chris Oseto**, **Kevin Gibson** (Botany and Plant Pathology), and **Tamara Benjamin** (Botany and Plant Pathology) will lead a Maymester trip to Costa Rica to study Tropical Agro-Ecology.

**Greg Hunt** is now teaching a course in Beekeeping. **Peter Dunn** has developed a new graduate course, Responsible Conduct of Research, that has proven to be of interest to a wide audience. Other courses being taught that were not taught when some of you were here are the following: Entomology 110: Spider Biology (**Al York**), Entomology 111: Insects in Prose and Poetry (**Tom Turpin**), Entomology 295D: Insect Ecology (**Al York**), Entomology 307G: Insects in Elementary Education (**Al York**), Entomology 335: Insect Identification (**Chris Oseto**).

The faculty continues to try to keep graduate students up-to-date with Special Topic offerings. Classes taught recently, or scheduled to be taught, include Insect Genetics (**Jeff Stuart**), Insect Morphology (**Chris Oseto**), Advanced Insect Behavior (**Linda Mason**), Pest Risk Assessment and Policy (**Jon Neal**), Invasive Species (**Steve Yaninek**), and Drosophila Genetics and Molecular Biology (**Barry Pittendrigh**).

This upcoming spring semester **Bob O'Neil** will again cooperate with the University of Illinois in offering a jointly taught, electronically-delivered, graduate-level course in biological control.

**John MacDonald's** retirement offers new opportunities and challenges in the teaching arena. John has been an excellent and important teacher in Entomology at Purdue for the past twenty-seven years.

- Al York -



## Retiring Faculty:

**John MacDonald** and **Dick Shade** both retired from Entomology at Purdue in June of 2003. Both plan to remain active in the department. John retired as Associate Professor with primary responsibility of instruction. His research was in the areas of taxonomy and systematics of Diptera and he was an advisor of undergraduate programs. He joined the department in 1976.

Dick retired as an Associate Professor in the areas of host plant resistance and insect-plant interaction. He joined the Department of Entomology in 1963. A reception was held in June to honor both faculty members. **C. Richard Edwards** retired from Entomology at Purdue in September 2003. Rich was a professor of pest management of field crops. He too will remain active in the department. Rich joined the department in 1972. He served as Acting Department Head of Entomology at Purdue from August 1999 to September 2000. A reception was held in September to honor Rich.



John MacDonald



C. Richard Edwards



Dick Shade



Vic Lechtenberg (l) Jeff Stuart (r)

**Jeff Stuart** was promoted from Associate Professor to Professor of Entomology in April 2003. He joined Purdue in 1990. Over the past decade, Jeff has carried out groundbreaking research on insect genetics.

## 2003 Promotion

## New Appointment for Rick Foster

**Rick Foster** accepted the position of Assistant Agricultural and Natural Resources Program Leader for the Purdue Cooperative Extension Service. This is a one-third FTE position working with the Assistant Director and Agricultural and Natural Resources Program Leader to help develop and lead this state-wide Extension program. His appointment began July 1, 2003 and continues on a year to year basis.

## New Postdoctoral Student:

**David Schlipalius** began a post-doctoral position with **Greg Hunt** in May of 2003. David will conduct research to identify candidate genes that influence behavior in honey bees and to characterize their sequence variation and expression profiles. David's wife, Janyne McWilliam, has joined him during his stay here.

## New Pest in Indiana?



David Cappapaert, MSU

EMERALD ASH BORER

An aggressive, invasive beetle that destroys ash trees is now very close to Indiana. Emerald ash borer was recently found in Defiance County, Ohio, just two miles from the Indiana border. It has also been found in several counties in Michigan and one additional county in Ohio.

This is certainly bad news for the 147 million ash trees in Indiana. It's also bad news for Indiana homeowners as well as the recreational, timber, horticulture, nursery and landscape industries in the state. At this point 6 million trees have been killed in Detroit alone, and more are dying. There's no magic bullet for this pest. In this case, public education is going to play a huge role in keeping Indiana citizens informed and calm. As an educator, I am pleased to be able to play a part in this situation.

- Jodie Ellis -



**FACULTY ON RETREAT: Entomology faculty work on teaching and curriculum needs.**

Purdue Entomology faculty attended a Teaching and Curriculum Retreat on May 15, 2003 at The Trails in Battle Ground, IN to discuss upcoming curriculum needs for the Department. Faculty reviewed current course offerings in the Department.

## Change in Appointment

**Peter Dunn's** appointment as Interim Associate Vice Provost for Research Administration and Compliance has recently been increased from 50% to 66% during the duration of the interim appointment of the Vice Provost for Research, Charles Rutledge.

## New Faculty:

**Brandi Schemerhorn** recently began working as USDA/ARS Research Entomologist/Adjunct Assistant Professor at Purdue. Brandi's research will focus on genetic variability within and between populations, Hessian fly genomics, and predicting occurrences and spread of virulence to wheat resistance genes in response to selection pressures. Brandi's husband, Steve, works for Northern Indiana Public Service Company. Between a new job, new son, and moving from northern Indiana, she is quite busy.

**Catherine Hill** began working in Entomology at Purdue in August 2003. Cate's most recent research efforts at Notre Dame will be continued at Purdue in the areas of mosquito and tick genomics. She will also continue her study of mosquito visual processes. Her extension role will involve the monitoring and evaluation of public health issues related to vector borne diseases. Catherine attended an international meeting in Chania, Crete in August, on Molecular and Population Biology of Mosquitoes.



### 2003 Osmun Award Winner

**Jim Dill**

**Jim Dill** (Ph.D. '79) has been selected for the 2003 John V. Osmun Alumni Professional Achievement Award in Entomology at Purdue University. Jim received his B.S. degree in Biology from the University of Maine in 1972, his M.S. degree in Entomology from the University of Maine in 1974, and his Ph.D. in Entomology from Purdue University in 1979. He is currently an Associate Program Extension Professor and Cooperating Professor of Entomology at the University of Maine.

Jim's research and extension work focuses on small fruit and vegetable plants as well as biological control. He has founded the current Pest Management Office Complex at the University of Maine. This complex houses offices, laboratories, and greenhouse space. Under his leadership, prominent IPM programs have been established in potatoes, apples, strawberries, sweet corn, broccoli, low bush blueberries, and greenhouses.

Jim was recently named a cooperator in a National Science Foundation grant that is designed to improve science teaching in grade and middle schools in the Orono, Maine area. He also maintains a small insect zoo in one room of the Pest Management Building. These insects are used to teach children about the science of entomology. Additionally, he speaks to over 1500 school children each year in their classrooms using his traveling "petting bug zoo."

### 2003 ESA Distinguished Achievement Award in Teaching

Congratulations to **Chris Oseto** who was selected as the winner of this year's Entomological Society of America Distinguished Achievement Award in Teaching.



**Chris Oseto**

## Development Update

Students are the lifeblood of a university – a fact clearly acknowledged in our strategic plan. Our plans for students are ambitious and will require new resources to meet our objectives. You can help by joining the "**Friends of Entomology.**" There are several areas where the department could use support including student awards, recognition events, recruitment, travel, and furnishing our student resource room. We have created several levels of giving for the "Friends of Entomology" and hope you will consider joining. A separate giving form has been included with this newsletter for your convenience. The Department sincerely appreciates the financial contributions we receive each year from alumni, faculty, staff, and friends of entomology, and we look forward to your continued support.

Funds generated from annual solicitations helped send a 3-student debate team (**Randy Hamilton, Eric Rebek** and **Kurt Saltzmann**) to the Entomological Society of America's national meeting in Ft. Lauderdale, sponsored travel to scientific meetings for 4 students (**Pablo Benevides, Randy Hamilton, Eric Rebek, and Kim Rebek**), supported tuition for an invitation only course offered by Krannert School of Management on Applied Management Principles (Randy Hamilton), and subsidized the tuition of a Maymester course on Organic Production in Europe this spring (**Tyler Janovitz**). We also supported student-initiated orientations, seminars, picnics, and other events that helped bring the students, staff and faculty together as a community. This does not include the 27 scholarships totaling \$45,500 dispersed from endowments to the Department by the Scholarships and Awards committee.

The campaign to endow a chair in urban entomology is in progress under the able leadership of Judy Dold, chairwoman, past-president of the National Pest Management Association, and president of Rose Exterminator Company in Northbrook, Illinois. The committee is making significant progress during the silent phase of the campaign with plans to "go public" at the Purdue Pest Control Conference in January.



### Friends of Entomology

The Honor Roll recognizes those who made gifts to our "Friends of Entomology" since February 2003.

#### Monarch Club (\$1000 up)

Killroy Pest Control, Inc.  
Lilly Endowment  
Dr. & Mrs. John Osmun  
Pi Chi Omega  
Purdue Employees Federal Credit Union

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

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

Karen McIntosh Bernhard  
Kenneth Brody  
Mr. & Mrs. Gary Buckingham  
Cooper Pest Control  
Mr. & Mrs. Michael Corbitt  
Dr. & Mrs. Robert Gallun  
Mr. & Mrs. Lyle Matteson  
David McCoy  
Robert Trueman

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

Charles Agnew  
Edward Bechinski  
Luis Castro and Nuris Acosta  
Mary Clark  
Dr. & Mrs. J. Kevin DeMarco  
Gerald Florentine  
Robert Fosler  
Dr. & Mrs. Ronald Gardner  
Donovan Hendricks  
Eliphalet Kelly  
Kenneth Kendall  
Drs. Benjamin and Jesusa Legaspi  
Dr. & Mrs. Albert Lund  
Eric McDonald  
Mr. & Mrs. David McShaffrey  
Dr. & Mrs. Harry Moore  
Dr. & Mrs. Forrest Oliveria  
Craig Rich  
Mr. & Mrs. Fritz Schumann  
Eric Smith  
Stella Wen  
Dr. & Mrs. Robert Wiedenmann

## 2003 Spring and Summer Graduates

**Casey Butler** and **Jessie Hoteling** received B.S. degrees in May and **Pablo Benavides** received his Ph.D. in the summer. **Corey Gerber** received his Ph.D. in May 2003.

## New Fall 2003 Students

### Undergraduate:

**Tory Fickle**, a senior transfer student from Forestry & Natural Resources, is from Indianapolis, IN; **Chris Paulsen**, a freshman from Maumelle, Arkansas; **Nick Seiter**, a freshman from Greensburg, IN; and **Ashley Walter**, a junior transfer student from the University of Illinois-Champaign/Urbana, and whose mother is **Jodie Ellis**, Education Coordinator in the Department.

### Graduate:

Entomology has 8 new graduate students this fall. This includes M.S. students **Andy Ammons** from South Carolina, with **Greg Hunt**, **Casey Butler** (B.S. '03), from Walkerton, Indiana, with **Bob O'Neil**, **Katherine Girsch** from Illinois, with **Rick Foster**, **Jesse Hoteling** (B.S. '03), from New York, with **Gary Bennett**, **Lavanya Polana** from India, who arrived in May and is with **Pete Dunn**, and **Wan Tien Tsai** ("Tina") from Taiwan, with **Linda Mason**. Ph.D. students, **Rajat Aggrawal** from India, who arrived in May, with **Jeff Stuart**, and **Omprakash Mittapalli** from India, with **Rich Shukle**.

**Bob O'Neil** has a new postdoctoral student, **Ho Jung Yoo**, who is working on modeling soybean aphid-predator dynamics and soybean aphid-primary host (*Rhamnus* spp.) relationships (an area in which she previously worked part-time). **Soledad Rodas**, a graduate of the University of the Valley (Universidad de Valle), Guatemala City, Guatemala, is a student intern working in Bob O'Neil's lab in the general area of "farmer adoption of IPM technology."

**Tyler Janovitz**, an undergrad in Entomology, recently returned from Maymester study abroad in Europe with **Al York** and a summer research assistantship in Costa Rica with Professor Kerry. Rabenold of the Biology Department Tyler is also the President of the Thomas Say Society this year.

## Outreach Update

The North American Butterfly Association's annual butterfly count was held on June 28, 2003. Purdue entomologists lead the walk and lecture about fireflies. Butterflies were identified and tallied at Prophetstown and the Lilly Tippecanoe Wildlife Habitat Area as a part of the annual count.



**BUTTERFLY COUNT:** (l-r) Tom Turpin, Arwin Provonsha, Steve Yaninek and Nancy Klusman

Photo by Clare Walters/Purdue Exponent



**PURDUE DAY AT THE STATE FAIR:** John Obermeyer displays insects.

Purdue Entomology was represented well at the Indiana State Fair in August. **Arwin Provonsha** created a fantastic walk through maize entitled "Monsters of the Midway," which was quite a hit. The display featured insects and several educational displays. The "Oh My" Collection and "Roachill Downs" were also part of the Department's display.



**MONSTERS OF THE MIDWAY:** Entomology Exhibit at the State Fair.

## Entomology Students



**THE FIELD TRIP:** Insect Collecting Group

### Collecting We Will Go

On the weekend of June 21-22, a group from the Entomology Department traveled to Feldun-Purdue Agriculture Center in Bedford, Indiana for an overnight insect collecting expedition. The goal was to assist **Pablo Benavides**, recent Ph.D. graduate, by assembling a collection of insects to present to Cenicafe, his employer in Columbia.

A lot of fun was had by all. The weather was beautiful, mosquitoes were merciful (ticks were not), fire was big, food was delicious, beverages remained cold, and the games we made up were only slightly ridiculous. On a side note: the mission was accomplished.

- Jody Aleong -

**Michael Meyer**, Ph.D. student with **Pat McCafferty**, was awarded a Purdue Research Foundation summer research grant in April 2003.

### New Graduate Student Room

The Department of Entomology is sporting a new graduate student room in Smith Hall. The room is set up and in use for the students beginning in the fall semester. The room can hold 11 students.



*Tetraopes tetrophthalmus* (Forster)  
Heather Spalding



## Meet Pablo Benavides

**Pablo Benavides**

I was born in Manizales, a mountainous city in Central Colombia of about half million people, where most of the “Café de Colombia” is harvested. Between 1988 and 1990, I had the fortune of being introduced to the field of entomology by my father Marcial, an entomologist from Wisconsin University, whom I accompanied him on his journey to south Colombia while conducting an eradication program of the just-introduced insect-pest of coffee, the coffee berry borer. In 1990, I was awarded a scholarship from the Colombian Institute for the Development of Science and Technology, Colciencias, to work with the National Coffee Research Center of Colombia, Cenicafe, in Classical Biological Control of the coffee berry borer. African parasitoids were introduced, reared, and released during this time. I graduated in 1993 with a B.S. in Agronomy Engineering at the Universidad de Nariño in the southwest of Colombia after defending my thesis on the “Impact of the African parasitoid *Cephalonomia stephanoderis* on coffee berry borer populations in field conditions.” This 3-year research showed that this parasitoid was established in the new habitat that Colombia was offering to the insect and that the wasps were successfully controlling coffee berry borer populations in the field. This research was awarded during the 1993 annual meeting of the Entomological Society of Colombia and gave me the chance to get a job as a Research Assistant at Cenicafe. After my graduation, I conducted research on the validation of an integrated pest management of coffee berry borer. This validation included the performance of participative research with coffee farmers, the testing of different parasitoids and pathogens in the field, as well as new techniques to control coffee berry borer. I also conducted research on the dispersion of this insect in the field during harvesting and processing coffee beans. The results obtained during these investigations, combined with the results of the research

performed by 5 scientists at Cenicafe, were compiled in the book “Manejo Integrado de la Broca del Café.” The results compiled in this book were highlighted by the scientific community in Colombia and the authors were awarded with the highest distinction on Science in Colombia in 1996, the National Science Award “Alejandro Angel Escobar” in Environment and Sustainable Agriculture.

In 1997 after a selection process, I was awarded a scholarship from Colciencias with the support of Cenicafe. This scholarship was given to me in order to fulfill a Ph.D. program at Purdue University. After a painful English learning process, a rejection letter from the Department of Entomology at Purdue, and intense help from Jeff Stuart, I made it to Purdue and started a graduate program in Entomology in August 1998. Upon my arrival at Purdue, I tried unsuccessfully to perform some research on identification of plant DNA from Japanese beetle gut content. But destiny was kinder and placed in our way Fernando Vega, a USDA researcher with good contacts who also had a semi-worldwide collection of coffee berry borer and who was willing to collaborate with my thesis. During my graduate program, we have been working on the genetic variability and biogeography of the coffee berry borer in the world, and within Colombian populations. We also developed a genetic marker to be used in further field experiments aimed to estimate the dispersion patterns of this insect in the field and to test the heritability of dominant traits in the coffee berry borer. We have also been conducting some research on genetic differences between parasitoids that are used to control coffee berry borer, as well as on the presence of the probacterium *Wolbachia* in the coffee berry borer as a possible distorter of sex determination. I graduated in August 2003 with a Ph.D. in Entomology, and I will continue working with the coffee berry borer. Hopefully, one day soon, we will provide coffee farmers with the technology that will allow them to forget that they once had to deal with the most destructive pest on coffee crops. After that, I will probably be contacting my old-fellow graduate students and friends looking for a job.

- Pablo Benavides -

## Alumni News

**Jim Yonker** (M.S. '82) wrote, “Thanks to all of the staff who put together each issue of the newsletter. We certainly enjoy reading it. Its been over 17 years that we left Purdue, but it seems just like yesterday. Both Cathy and I have many good memories of our Purdue Entomology days. These days, both Cathy and I work for S.C. Johnson, Inc. in Racine, Wisconsin. Cathy is an executive assistant in our Air Care R&D division and I’m a Research Associate at our Entomology Research Center. Our son Jay is now 20 years old and is a junior at the University of Wisconsin. Amy is 14 and she just entered high school as a freshman. The whole family is doing fine. We don’t make it to West Lafayette very often, but most years we still manage to hook up with **Ralph Williams** and **Gary Bennett** at the Indy 500. That tradition has never left us...” **Ray Cloyd** (M.S. '95, Ph.D. '99), visited the Department of Entomology at Purdue to give a seminar on September 5, 2003 in which he addressed Integrated Pest Management of Floriculture Pests: Where Are Fungus Gnats Coming From? Ray is an assistant professor in ornamental entomology and integrated pest management at the University of Illinois, Urbana/Champaign...**Daniel Bloodgood** (B.S. '80), of Frankfort, who helps the Department of Entomology at Purdue with the annual Bug Bowl, went fishing with **Bruce Godby** (B.S. '87) in late August. Some of you may remember Bruce worked with **Gary Bennett** in the Urban area. He lives in Pennsylvania and works for Western Fumigation. Dan has one daughter and Bruce is married with three children...**Richard Schoenbohm**, (M.S. '76), went on to Indiana University for his law degree and is practicing law in Appleton, Wisconsin. He and his wife, Leah, who is still teaching, have two daughters. Laurel is majoring in biology at Colorado College and Lindsay is working on her Ph.D. in geology at MIT. When asked if he puts his entomology degree to use he replied, “Every year I give a version of **Tom Turpin’s** ‘Insects as Food’ to one of the local elementary and high schools.”





Can you identify these Purdue Entomology graduates? (L-R) **James W. Smith** (B.S. '72), **David W. McCoy** (B.S. '86), **Eric M. McDonald** (B.S. '77), and **William C. Kauffman** (M.S. '86)...**Gary Walker** (M.S. '84), has been back in Delaware for over 16 years. He works for the Defense Supply Center Philadelphia (part of the Defense Logistics Agency) as an entomologist and quality systems auditor, working primarily with the contractors that produce components for and assemble the military combat rations, Meal, Ready-to-Eat (MRE's). He is a member of the Armed Forces Pest Management Board and serves as the Department of Defense representative on the Association of Operative Millers Food Protection Committee. For the past 4 1/2 years, he has also served on a local school board. His wife, Sue, works for Citicorp as a supervisor in credit card disputes. Their son, Bryan, will be finishing up at the University of Delaware in the spring. Judy, who is also a senior at the University of Delaware, is currently attending Columbia University's "Earth Semester" program at Biosphere 2 Center in Oracle, AZ and hopes to attend graduate school next fall...**Richard (Dick) Crum** (M.S. '60), a former Parke County farm boy, did his graduate work under the late Dr. G. Edward Marshall as the Southern Indiana Fruit and Insect Research Farm. Dick retired from the Purdue University Cooperative Extension Service in 1996. He is a champion of home gardeners and is often referred to as the Dean of Dandelions, King of Crabgrass, Monarch of Manure, and Dr. Dirt. Dick continues to write weekly garden columns (Indianapolis Star for 31 years), does four hours of radio (WIBC), a weekly television (RTV6) appearance and he is also a very popular speaker. The Dick Crum Reference Room in the



**Richard Crum**

White River Gardens at the White River State Park is a tribute to his public service. He and his wife Jody enjoy gardening, traveling and they have four boys (all Purdue grads).



**Wes Burgess**

## Psychology of Entomology

I am a graduate of the Entomology Department (B.S. '74). I have been out of touch for awhile and I thought you might like to hear what becomes of an undergraduate entomology student. Let me bring you up to date with me and my life.

I received 2 literary awards from Purdue in my senior year. Then I went directly to North Carolina State University to study spiders with Dr. Peter Witt. During this time, I completed a classical doctoral dissertation and published 11 papers and 2 book chapters. After completing my Ph.D. in psychobiology in 1979, I moved to the faculty of the Department of Psychology at the University of California, Davis where I had my own National Science Foundation grant. Two years later, I left UCD to take a NIMH Fellowship at UCLA and I ended up on the research faculty of the UCLA Neuropsychiatric Institute. During this time I produced about 27 research papers and 2 more book chapters.

In 1987, I returned to school for my medical doctorate at the University of Miami, where I was class president for 2 years. After medical school, I completed four years of psychiatric training at Stanford University Medical Center where I was the Chief Resident in Psychiatry and a Fellow in Psychiatry. While working at Stanford University, I headed a free clinic in San Jose, California and taught on the faculty of the Pacific Graduate School of Psychology. After this, I moved to Los Angeles to start my private practice. During this time, I served as a professional consultant to the California State Bar Association and the Los Angeles Superior and Juvenile Courts.

Currently, I am a psychiatrist with a private practice in the Bentwood area of Los Angeles. I treat adults, adolescents and children for emotional problems, especially shyness and depression.

This year I was named Physician of the Year by the Physician's Advisory Board in Washington. I occasionally serve as a psychiatric consultant for Fox Network and for feature films, including the Bandits DVD by MGM. My biography is listed in recent editions of Marquis' Who's Who in the World, Who's Who in the West, Who's Who in America, and Who's Who in Medicine & Healthcare, etc. I am a member in good standing of the American Medical Association, the California Medical Association, the American Society of Clinical Pharmacology, the Anxiety Disorder Association of America, and the Sigma Xi Scientific Research Fraternity.

I am the author of four book chapters for Princeton University Press and Freeman Press, and over forty professional articles in scholarly journals including: The American Journal of Psychiatry, The American Journal of Psychotherapy, Psychiatric Research, and Scientific American. I write a monthly column on clinical diagnosis for the newsletter of the Southern California Psychiatric Association and I am currently working on a new book on Chinese Philosophy.

I have been married for 13 years to a girl from New York City. I live near the beach, grow orchids, raise dogs, and watch the clouds go by in my free time.

I have had plenty of failures in my life and some losses too, but I always seem to come up on my feet. Overall, I am thankful for the opportunities I had and think I done alright for a country boy from Purdue. Every day I use something I learned from you, either about insects or about people. You taught me how to learn and that has served me in good stead ever since. Thanks for the start you gave me!

- Wes Burgess, M.D., Ph.D. -



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## October

- |       |   |
|-------|---|
| 2-3   | Entomology Development Council Meeting              |
| 3     | John V. Osmun Alumni Professional Achievement Award |
| 4-5   | Purdue Homecoming                                   |
| 14    | Insectaganza  |
| 26-29 | ESA Annual Meeting                                  |
| 27    | ESA Purdue Mixer                                    |

## November

- |       |                    |
|-------|--------------------|
| 27-28 | Thanksgiving Break |
|-------|--------------------|

## December

- |       |                 |
|-------|-----------------|
| 25-26 | Christmas Break |
|-------|-----------------|

## January

- |     |  |
|-----|--|
| 1-2 | New Year's Break                           |
| 5-9 | 68th Annual Purdue Pest Control Conference |

## From the editor

We want to hear from you! 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?

### **Cheryl Spencer**

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

