



ESA Newsletter



Information for Members of the Entomological Society of America

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ESA Members at ICE 2008 in South Africa

The 2008 International Congress of Entomology in Durban, South Africa was well-attended by ESA members from all over the world, many of whom met at the ESA booth. Among them were 16 students who received ESA travel grants (see photo, right) which were made possible by the National Science Foundation and the hard work of Dr. Jack Petersen and other members of the International Affairs Committee (IAC).

While hundreds of ESA members came to present papers and posters, others were the recipients of honors and awards. During the opening session, Dr. Ashok Raina, a supervisory research entomologist with the Formosan Subterranean Termite Research Unit of ARS in New Orleans, was given the Distinguished Achievement Award, and David L. Denlinger (Ohio State University) and May R. Berenbaum (University of Illinois at Urbana-Champaign) were both selected as new members to serve on the ICE

Council. Finally, Lynn Riddiford, from the Howard Hughes Medical Research Institute, received recognition for her service to ICE at the Congress Banquet towards the end of the conference.

Held one week before the 90th birthday of Nelson Mandela, and simultaneously with international sporting events involving rugby and cricket, the timing of the ICE 2008 conference made it even more exciting to be in South Africa. For more details about the conference, as well as the next one in 2012,



First row: Angela Smilanich, Monica Gaylord, Sky Stephens, Christy Jo Geraci. Second row: Mustapha Debboun (IAC), Megha Parajulee (IAC), Gavin Svenson, Gregory Wiggins, Eric Lind. Third row: Jack Petersen (IAC), Eric Ott, Gaylord Desurmont, Elijah Talamas. Not pictured: Akito Kawahara, Barbara Sharanowski, Clare Casteel, Allison Hansen, Jose Adriano Giorgi, Josh Benoit.

be sure to read President Mike Gray's column on page two.

Chasing Camel Spiders in Kenya

Kristie Reddick fell in love with solifuges, also known as camel spiders or wind scorpions, the first time she saw one as a student visiting Africa. In fact, the fascination drove her to drop her ambitions of becoming a professional actor and to switch her field of

study from theater to biology, and eventually to entomology. After consulting with Dr. Robert Wharton, an entomologist at Texas A&M University, she enrolled in their master's degree program, where she met fellow student Jessica Honaker, who shared her enthusiasm for insects and teaching.

After a long struggle to find funding, Kristie returned to Kenya to find and study solifuges for her master's thesis, and Jessica, a talented photographer, went with her. When they got to Nairobi, they bought a 1965 Land Cruiser and drove through the wilderness, looking under rocks for the arachnids. Their hard work paid off, as they collected more than 100 solifuges and discovered six new species.

When they weren't in the field, Jessica and Kristie helped out at local museums and schools, where they used insects and spiders to break children's fear of the unknown. "You can change fear into fascination," said Jessica. "That's what we try to do."

At the National Museum of Kenya, they

created an interactive exhibit—the first of its kind in East Africa—which featured push buttons that talk about animals in English and Swahili.

Today, after completing their master's degrees, they continue as innovative educators through their own business, Solpugid Productions (<http://www.solpugidproductions.com>), a multimedia company which promotes science while making it fun and easy to understand, using interactive and creative ways to make learning enjoyable. Current projects include an arachnid exhibit at the Brazos Valley Museum of Natural History and some recruitment videos for the Texas A&M Department of Entomology. Watch for them on a future episode of the History Channel's *Monsterquest* later this year.



Kristie Reddick and Jessica Honaker with their Land Cruiser and photo equipment.

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I write this month's column from Durban, South Africa, site of the 23rd International Congress of Entomology (ICE 2008) held from July 6 to 12. On behalf of all ESA members, I offer hearty congratulations to František Sehnal, President of the International Congress of Entomology; Robin Crewe, President of the ICE 2008 Committee; and Gerhard Prinsloo, Chair of ICE 2008 Management, for an outstanding scientific program and successful Congress! This was the first International Congress of Entomology convened on the African continent, and more than half of all African countries were represented. In total, 86 countries sent delegates to ICE 2008, where they made 2,694 presentations and offered 806 posters across a diverse set of 18 programmatic sections. The largest delegation was from the United States (391 participants), followed by South Africa.

The plenary sessions were stimulating throughout the meeting and included the following topics: Exotic Fire Ants and Native Ants: A Cautionary Tale; Insect Plant Interactions in a Multitrophic World; Push-Pull – A Chemical Ecology-Based IPM Strategy for Smallholder Farmers in Africa; The Functional Organization of a Tropical Insect Society; Malaria and Mosquitoes: Will Insecticide Resistance be our Downfall?; and What Structures the Communities of Plant-Feeding Insects? Following the plenary sessions each day, delegates had opportunities to listen to oral presentations, review posters, and, of course, have tea with other delegates. Numerous and exciting tours also were available to nearby attractions that included spectacular beaches, wildlife destinations, and other scenic venues. All in all, this was a spectacularly successful International Congress of Entomology!

I have mentioned in my previous columns that John Trumble and Tim Paine have provided strong leadership in the preparation of a bid for ESA to serve as an organizer for the 24th ICE in San Diego, California in 2012. Unfortunately, this carefully constructed bid, which included significant support from several other entomological societies, was not successful. On July 7, during the early stages of ICE 2008, John Trumble offered a very persuasive presentation to the International Congress Committee. Our bid included many strengths, such as the tested ability of ESA to organize large annual conferences, support from other international entomological organizations, the commitment to ensure a diverse international program, the availability of a world-class convention center, access to numerous high-quality hotels, beautiful scenic attractions surrounding San

Diego, and the promise of many delegates, perhaps setting the stage for what we believed would be one of the largest Congresses ever. Nonetheless, our bid was not selected. On behalf of ESA members, I thank John and Tim for their very dedicated efforts and for their thorough preparation and delivery of an outstanding bid.

"86 countries sent delegates to ICE 2008 ... The largest delegation was from the United States (391 participants)."

On behalf of all ESA members, I congratulate the South Korean delegation for their successful bid to host the 2012 Congress. This was their second bid to host an International Congress of Entomology, and they were exceptionally well prepared and excited to embrace this wonderful opportunity. I encourage all ESA members to begin thinking about the 2012 ICE that will be conducted in Daegu, South Korea, and about ways in which we can cooperate with our South Korean entomological colleagues. I know that they will deliver an outstanding Congress. In addition, I encourage ESA members who might be interested in preparing a bid for the 2016 ICE to contact ESA Executive Director Robin Kriegel for input and guidance regarding what steps they should consider prior to this project. In addition, John Trumble has agreed to provide a copy of the bid for San Diego and offer his guidance and counsel to a future team who might be interested in preparing a future bid. While in Durban, I believe we have generated some momentum and goodwill that should work in ESA's favor for a future successful proposal.

For those of you who have read Richard Levine's (ESA Communications Program Manager) blogs from Durban, you know that ESA has had a wonderful opportunity at ICE 2008 to highlight the many benefits of being an ESA member. Richard has done an outstanding job of serving as one of many ambassadors for ESA at this conference. I have witnessed his many friendly conversations and informal interactions with entomologists from around the globe. Several of these discussions resulted in new members for ESA. In addition to Richard, Alvin Simmons, ESA Southeastern Branch President, deserves special mention for the many hours he served at the ESA booth answering a great

variety of questions about our organization. Thanks, Alvin! In addition, several other ESA members also volunteered their time at the ESA booth, such as Charles Vincent, Rostern Tembo, Carlos Blanco, Megha Parajulee, and Vicki Yokoyama. Their service is greatly appreciated.

During ICE 2008, it has been my good fortune to have had a few conversations with František Sehnal, President of the International Congress of Entomology. We have agreed to begin preparations for a proposed meeting of entomological leaders from some other professional societies to discuss potential opportunities for future collaboration on various international issues of mutual importance. The meeting would tentatively occur in Reno, Nevada during our Annual Meeting this year. I'll keep the membership informed of any new developments as we move closer to this proposed fall meeting.

Upon my return from Durban, I will work closely with Robin Kriegel to finalize preparations for the summer Governing Board meeting. I look forward to sharing the highlights of the Board's actions during my September column. This year is going by very quickly and it continues to be my honor and pleasure to serve you.

Mike Gray, President
mgray@uiuc.edu

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POSTMASTER: Subscription rate for members is \$10, which is included in the dues. The rate for nonmembers is \$33; institutions, \$49. First class and international postage are additional. Periodicals postage paid at Lanham-Seabrook, MD, and other mailing offices.

Job Opportunity rates are \$25/line for regular and postdoctoral positions, and \$12/line for graduate assistantships. Advertisers may choose to run the ad on the ESA web site for an additional 20 percent of the newsletter ad cost. Ads will be edited and abbreviated. Submission deadline is the first of the month, one month prior to publication. Submit ads using online form at <http://www.entsoc.org/employment>. Online Job Opportunities are also at the above URL.

The newsletter's purpose is to provide information deemed of interest to our members. News items on entomological research have been published in peer-reviewed journals or were provided by reliable sources such as universities or government agencies. ESA staff relies upon readers' discretion to interpret and evaluate articles about scientific research. Comments may be directed to the original information source and/or Newsletter Editor Richard Levine (see contact information above).

ESA Member Profile: Prasad S. Burange

This month's member profile focuses on Prasad Burange, a graduate research assistant at North Dakota State University's Department of Entomology. Prasad is a student member, and is affiliated with the Systematics, Evolution, and Biodiversity Section.



When did you first become interested in insects?

I think my love for entomology began when I was a second-grade student in Nagpur city, India. As a young boy, I would dig a small hole in the playground that could accommodate

a big black ant. I would cover the captured ant in the hole with a piece of glass, then observe its behavior in my trap. It later became my hobby to observe the behavior of these little ants when I purposefully disrupted their trails by placing a drop of water in the middle of it. I also was an avid collector of colorful butterflies, beetles, and grasshoppers during my formative years.

What made you choose entomology as a career?

I became interested in entomology as a career while taking a course in Introductory Entomology during my B.S. degree program. This course inspired me to pursue a master's degree in entomology.

During my master's program, I was inspired by the aphid research of Dr. T. P. Rajendran at the Central Institute for Cotton Research (CICR), Nagpur, India. Dr. Rajendran, who is currently the additional director general of the Indian Council of Agricultural Research (ICAR), has been a professional mentor to me since then. When he noticed my growing interest in molecular biology, he recommended me to the laboratory of Professor S.K. Sen at the Indian Institute of Technology, where I began developing practical knowledge of basic molecular biology techniques. I served as a member of Dr. Sen's research team, which developed *Helicoverpa armigera*-resistant *Bt* endotoxin-expressing, transgenic cotton for the cotton growers of India. Subsequently, while assisting Dr. C.D. Mayee (currently the chairman of the Agricultural Scientists Recruitment Board, ICAR) at the CICR, I had the opportunity to investigate genetic and metabolic mechanisms of insecticide resistance in *H. armigera*. Following that experience, I decided to pursue further research in molecular aspects of insect science.

What are you currently working on, and why is it important?

As a Ph.D. candidate under the stewardship of Dr. Mark A. Boetel in the Department of Entomology at NDSU, I am engaged in collaborative research with Dr. Richard L.

Roehrdanz (research geneticist, USDA-ARS, Fargo, ND) to characterize the molecular genetic profile of *Lygus* species. *Lygus* are widely distributed in North America and Eurasia. One of the most serious pest species within this genus is the tarnished plant bug, *L. lineolaris*. My research aims to characterize geographic variations and to determine the phylogeographic patterns and gene flow within the genus in North America using specific mitochondrial DNA molecular markers. This should aid in determining if local or regional genetic variations exist among populations, and it also could help determine whether specific strains, cryptic species, or host plant-specific variants occur in the genus. This should provide important information to aid future strategies for management of *Lygus* pest species. I hope to pursue similar work in the near future as a postdoctoral research fellow in a leading laboratory in this exciting area of molecular genetics.

How has being a member of ESA helped you?

Serving ESA as a student volunteer helped me to learn how to carry out service duties in a highly coordinated and well-organized manner. This will help me as I increase my involvement with ESA and other professional societies. I have also benefited from my experiences on the NDSU Linnaean Games team and my participation in student competitions. Those very positive experiences have boosted my confidence as a developing entomologist, and the monetary prizes earned in those events helped defray some of my travel expenses to attend the ESA Annual Meeting last year in San Diego. An additional benefit of being an ESA member has been the connections I've made through social interactions and volunteering at ESA meetings. These connections have helped me to network with other researchers working on topics related to my research. This networking has aided me in procuring insect samples for my phylogeographical research from multiple locations across North America.

What ESA-related activities have you participated in, and which did you enjoy the most?

I have served as a volunteer with local arrangements committees for both branch and national ESA meetings. However, my most cherished experience thus far was the final thrilling round of the Linnaean Games at the North Central Branch meeting in Winnipeg in March, 2007 when we narrowly won the final round.

What advice, if any, would you give to new ESA members?

Always look for opportunities to serve and connect, such as participating in or attending the student presentation competitions. Also, try to pursue volunteer activities at ESA meetings. Such experiences can lead to new connections with future collaborators or employers, and can also help one develop leadership and organizational qualities.

What do you do in your spare time? What other interests do you have?

In addition to my Ph.D. dissertation work, I have been serving the NDSU Entomology Department as its graduate student representative since August, 2006. I also am an active Entomology Club member on my campus, and I regularly volunteer in various events associated with that organization.

One of my favorite hobbies is photography. I did all of the photography for my M.S. thesis project, and also helped 17 peers from various disciplines with photography for their research. Recently, I received first place honors in the International Week Photo Contest at NDSU. I have also had some of my photographs of tarnished plant bug, sugarbeet root maggot, and Collembola used on the USDA website, and some photos are due to be published in a forthcoming book chapter on sugarbeet insect pests.

International Entomology Network

The goal of the International Entomology Network is to create a "United Nations of Entomology." Anyone who is affiliated with entomological disciplines around the world, including non-ESA members, is welcome to join. The International Entomology Network wishes to attract members from across the globe in order to represent all possible interests, occupations, professional organizations, and demographics in entomology.

Please sign in and join the largest entomology network in the world by going to <http://www.entsoc.org/networks/Demo/IntEnt.htm> (if you are not an ESA member, you will need to join as a "web-user" and get a user name and password). There are no fees associated with the membership. If you have any questions, please contact Dr. Megha N. Parajulee, Texas AgriLife Research and Extension Center, 1102 East FM 1294, Lubbock, TX 79403; e-mail: m-parajulee@tamu.edu.



2008 ANNUAL MEETING & EXHIBITION NEWS

November 16-19, 2008 — Reno, Nevada
<http://www.entsoc.org/am/cm>

Q&A on the Annual Meeting & More Reasons to Attend

Can I still submit a poster?

Unfortunately, no. The deadline for submitting posters and papers was July 9. If you did not submit a paper prior to that date, ESA will not be able to host your research this year. Start early on your plans to submit in 2009 at the ESA Annual Meeting in Indianapolis.

Can I still submit symposia?

The deadline for submitting general and Section symposia has also passed. However, a few time slots will be saved for late-breaking topics. Hot Topics can be submitted until October 15, 2008. Hot Topics are subject to committee review and may or may not be chosen depending on available space and overall subject content.

Do I have to be a member to submit a Hot Topic or to attend the meeting?

Yes, you must be a member of the Society to present or host a symposia session. But no, you do not have to be a member of the Society to attend the meeting. Non-member entomologists and others in related disciplines are welcome to attend the ESA Annual Meeting. However, meeting registration fees are much lower for members of the Society. The non-member rate to attend the meeting more than exceeds the cost of dues, so if you are thinking about becoming a member, now is the time. Sign up now to become a member of the largest Society dedicated to the advancement of your profession!

Can students still volunteer and have their registration fees waived?

Yes, but all of the volunteer spaces have been filled already. All student volunteers who have been selected for an assignment will receive a reimbursement of their registration fee after the meeting.

When will the sessions be scheduled?

The Program Committee is working now to map out the meeting schedule. Once completed, the symposia will be slotted, committee meetings will be scheduled, and the rest of the Annual Meeting will come together. You will be updated as this process continues, and you can check our website for the most up-to-date information on the Annual Meeting and symposia sessions.

Can I bring a Guest?

Yes, you can! Your guest will have full

access to social functions and the Exhibit Hall, as well as the opportunity to attend your session and hear your presentation. We've arranged for a tour that will surely be of interest to many guests, a boat tour of Lake Tahoe. See some of the most pristine and scenic waterways in the western United States. Make your guests' experience in Reno unforgettable—sign them up for the tour! **Please note:** anyone who derives professional benefit from attending the meeting should register as a regular attendee and cannot be registered as a guest.



Will ESA offer childcare at this year's meeting?

ESA is pleased to once again be able to offer partially-subsidized childcare for our attendees, members, and guests. The provider is Kiddie-Corp, the standard bearer in the industry for quality childcare at professional meetings. Spots are limited, so please visit the Kiddie Corp website at <https://www.kiddiecorp.com/entsakids.htm> to reserve your spots today.

Are there new innovations or special events planned for 2008?

One of the exciting developments at this year's Annual Meeting in Reno will be the expansion of symposia featuring speakers from around the world via web-conferencing technology. When the symposia are not in session, this technology will be available for use by Networks or other groups of meeting attendees who might want to meet with colleagues from around the world. There will be no charge for conferees' use of this service, and any group of attendees is eligible to request it. If you would like to schedule a meeting for your group, contact the International Affairs Committee Chair, Megha Parajulee (m-parajulee@tamu.edu), and

he will handle your request. As for special events, of course there will be lots of excitement in terms of social events and networking opportunities. More information will be provided on special events in September's newsletter.

I will need a letter of invitation for my travel visa. How do I obtain one from ESA?

ESA has a form on our website that you can complete to request a letter of participation. It is important to point out that this is not a "letter of invitation." You can find this form, with all other important information for international members and guests, at: <http://www.entsoc.org/am/cm/intl/index.htm>. ESA has also registered the Annual Meeting with the U.S. State Department, which should make obtaining a travel visa easier.

Need More Reasons to Attend?

- **Share best practices:** Build new relationships with nationwide and international networks of entomologist and related professionals who share similar interests.
- **Get the latest information:** Hear the most up-to-date information on the successes and challenges by Section discipline.
- **Newly-released research results:** Access cutting-edge research poised to impact the profession.
- **Advance your career:** Explore new professional opportunities at the Career Center, hosted by the Student Affairs Committee. Job seekers are invited to bring their resumés, and employers can post employment opportunities.
- **Celebrate entomology:** See fellow entomologists and students who are making a difference in the profession at the ESA and the Entomological Foundation professional awards presentation, and at the student awards session.
- **Preview what's new:** See the latest products, services, and technologies impacting entomology at the Exhibition Hall.
- **Exclusive events and resources:** Attend conference events, sponsor receptions, and meet new colleagues at the New Member Meet and Greet.
- **Get rejuvenated and inspired:** Relax and enjoy the sites in beautiful Reno, also known as "The Biggest Little City in the World."

BCE Program Approves Liaison Position

The Certification Board of the Board Certified Entomologist (BCE) program is pleased to announce that they have approved an ad hoc BCE Military Liaison position to be added to their administrative structure. A set of performance guidelines was also adopted for the position. This is a non-voting position that will be advisory with a term of two years.

The ad hoc BCE Military Liaison will strive to promote the BCE program, advance the science and art of entomology, and guard and uphold its high standard of honor while conforming to the principles of professional conduct in the U.S. military services and the BCE Code of Ethics. This position is expected to promote solidarity and harmony with fellow entomologists within and outside the BCE profession. BCE Director, Jim Cilek, has formally appointed Col. Mustapha Debboun to serve in this capacity for 2008 through 2009.

The action of developing ad hoc liaisons provides a solid guide for linking BCEs with other agencies and organizations that employ our members. The Certification Board is open to further developing other ad hoc liaisons with BCEs (or Associate Certified Entomologists—ACEs) at other agencies and/or organizations. This linkage can provide employers a direct connection to the BCE program and better inform them of the value of the certification program in conducting their missions. BCE members interested in acting in such a capacity would be elevated from a position of individual advocacy to one that has BCE



*Mustapha Debboun,
BCE Military Liaison*

organizational support. This support may extend beyond recruitment to perhaps a dialogue on how the BCE program may better serve the particular missions of employers of BCE/ACE members. This association could, on occasion, result in workshops, seminars, or other activities requested by a particular employer. Moreover, the liaison designation is a small but significant step that provides a mechanism for direct interaction to allow employers to experience the ways that the BCE program can contribute to their mission, and it allows employers opportunities to make their own judgments.

BCE/ACE members are encouraged to think about how they could help in leadership roles by developing liaison opportunities in their employment environments with the BCE program. The BCE program stands ready to assist in that endeavor. For further information, please contact BCE Director Jim Cilek at james.cilek@famu.edu.

Wendell Roelofs to Receive the Entomological Foundation's Medal of Honor for Contributions to Entomology

Dr. Wendell L. Roelofs will be honored by the Entomological Foundation at its 16th Annual Dinner and Dance in Reno, Nevada for his outstanding, career-long commitment to entomology and for his contributions in the fields of insect biochemistry and chemical ecology.

Dr. Roelofs has received worldwide recognition for his pioneering research in the field of insect chemical communication, which has resulted in major breakthroughs in understanding the chemistry and endocrinology of insect pheromones and the ways in which insects perceive and respond to pheromones. His work has important implications for understanding animal communication, mechanisms that underlie olfaction, evolution of sex pheromones, and diversification of gene families.

Dr. Roelofs' discoveries have also led to the adoption of pheromone-based insect detection, monitoring, and mating disruption in pest management. An organic chemist by training, Dr. Roelofs has integrated the disciplines of chemistry and biology in his research by using new chemical fractionation procedures, the insect antenna as a biological detector, sophisticated behavioral assays, and extensive field trapping experiments to identify hundreds of new semiochemicals.

The global impact of his work is reflected in his numerous awards and honors, including five honorary doctorates, the National



*Wendell L. Roelofs
(NYSAES/Cornell)*

Medal of Science, Israel's Wolf Foundation Prize, the U.S. Department of Agriculture's Distinguished Service Award, and election to the National Academy of Sciences. Dr. Roelofs' contributions to entomology include over 400 papers, chapters, and patents on all aspects of the chemical ecology of moths, beetles, cockroaches, flies, bugs, and other insects. As leader of one of the most successful chemical ecology groups in the world for more than four decades, he has mentored and trained dozens of entomologists, including approximately 30 professors in the U.S. and abroad, as well as several deans and entomology department heads.

Dr. Roelofs received his undergraduate training in chemistry at Central College of Pella, Iowa and his Ph.D. in organic chemistry at Indiana University in Bloomington in 1964. Following a brief NIH postdoctoral fellowship at MIT, he joined the entomology faculty at Cornell University's New York State Agricultural Experiment Station, where he became the Liberty Hyde Bailey Professor of Insect Biochemistry in 1976, a posi-

tion he still holds today.

The dinner will be held on November 18, 2008 at the National Auto Museum in Reno (<http://www.automuseum.org>). Tickets to attend the event are \$100 per person for non-students and \$60 for students, and transportation will be provided. Tickets can be purchased online at <http://www.entfdn.org>. Please purchase tickets in advance, as only a limited number of tickets will be sold during the ESA Annual Meeting. For questions concerning the event, please contact April Gower, Entomological Foundation, at (301) 459-9083, or april@entfdn.org.



The Entomological Foundation is a 501(c)(3) not-for-profit organization, and is totally independent from ESA. Its mission is to stimulate interest in insects and insect science among children, our next generation of scientists. To make a donation, visit their website at <http://www.entfdn.org>.

James B. Ballard, formerly a product development manager for pest control products with FMC Corporation Professional Solutions, has formed his own company, Ballard Pest Management Consulting, located in Medford, N.J. The company will provide the professional pest management industry with product development and consulting support.

Kamal J.K. Gandhi, a postdoctoral researcher at the Ohio State University, will be starting an assistant professor position in forest ecology at the Warnell School of Forestry and Natural Resources at the University of Georgia, Athens in September. Gandhi is a forest entomologist with wide research interests in patterns of invasion and ecological impacts by exotic insects, landscape-level effects of global changes in forest disturbances on arthropods, and insect-plant interactions.

Bruce Hammock, distinguished professor of entomology at the University of California, Davis, is the recipient of the 2008 UC Davis Distinguished Teaching Award for Graduate and Professional Teaching. Hammock is active in five different graduate groups on campus. Over the last five years, his laboratory awarded six doctoral degrees and two master's degrees, and his lab currently has seven doctoral students.

Nathaniel B. Hardy, a doctoral student in entomology at the University of California, Davis, received the 2008 Kinsella Memorial Prize, which memorializes former dean John Kinsella (1938-1993) of the UC Davis College of Agricultural and Environmental Sciences. Hardy studies the diversity and evolution of scale insects. His hypothesis for the evolution of mealybugs led to the recognition of two subfamilies and four tribes within the Pseudococcidae, and he was able to diagnose each subfamily morphologically and provide a list of genera for each (69 genera in the Phenacoccinae and 201 genera in the Pseudococcinae).

Marvin Harris, John A. Jackman and William O. Ree—all members of the Texas AgriLife Extension Service's IPM Team—

were presented with awards at the 87th Texas Pecan Growers Association's annual conference. Harris and Ree received the IPM Teacher Award from the U.S. Department of Agriculture's Southern Region IPM Center for their outstanding work in pecan integrated pest management. Dr. Jackman was awarded the inaugural Friends of IPM Lifetime Achievement Award. The whole team received the Outstanding State IPM Award from the Southern Region IPM Center.

Carl J. Jones, professor and head of the University of Tennessee's Department of Entomology and Plant Pathology, received a Lifetime Achievement Award in recognition of his outstanding contributions to animal health and productivity through veterinary entomology during the 52nd annual Livestock Insect Workers' Conference (LIWC) in Kansas City, Missouri.

Karl Maramorosch, a 50-year member of the ESA, was elected as an honorary member of the Society for Invertebrate Pathology. Dr. Maramorosch has published more than 700 papers and 80 books, and at 93 years old continues to conduct research. Dr. Maramorosch was elected as an ESA Honorary Member in 1998, and as an ESA Fellow in 1986.

Benjamin McGraw, a Ph.D. student at Rutgers University, is the most recent recipient of the Professors C.C. Compton & G.M. Markle Entomological Fund Award. Ben is studying biological control of the annual bluegrass weevil using entomopathogenic nematodes. After graduation, he would like to develop less toxic, alternative control strategies for specialty crop growers or turfgrass managers.

Patricia L. Prasifka, after completing her Ph.D. at Iowa State University, has taken a field scientist position with Dow AgroSciences in Champaign, Illinois.

Philip A. Phillips, an integrated pest management advisor for the University of California Cooperative Extension (UCCE) and the UC Statewide IPM Program, retired on July 1, 2008. One of his biggest research

achievements involved the discovery of the first populations of the glassy-winged sharpshooter in California. Phillips says he would like "to be remembered for helping mainstream agriculture to transition from broad-spectrum pesticide use to reliance on a more stable and ecologically based integrated program of pest management where biological and cultural control measures are considered before using selectively targeted pesticides."

Ashok Raina, a supervisory research entomologist with the Formosan Subterranean Termite Research Unit of ARS in New Orleans, received the Certificate of Distinction from the Council of the International Congress of Entomology in Durban, South Africa on July 6, 2008. Raina is internationally recognized for his discovery of the control of pheromone production in moths. He has worked on a novel virus infecting the corn earworm, host plant resistance in grain legumes and sorghum, and the biology, physiology and biorational control of the Formosan subterranean termite. After 46 years of working with insects, he retired in July, 2008 and is moving to Maryland.

Tara Thiemann, a doctoral student at the University of California, Davis, received one of two 2008 William Hazeltine Student Research Fellowships for her work on *Culex* mosquitoes, which transmit West Nile Virus. Thiemann is analyzing the blood meals of *Culex* mosquitoes to determine the host species, and is relating the feeding patterns to virus activity and host blood prevalence.

Four ESA Members Receive Scholarships

Pi Chi Omega, the national fraternity for pest control professionals, has awarded four \$1,500 scholarships to the following ESA student members: **Melissa Gaver-Wainwright**, Washington State University; **Tony Keefer**, Texas A&M University; **Alvaro Romero**, University of Kentucky; and **Neil Spomer**, University of Nebraska. Congratulations to all four of them!

Condolences



Sincere condolences to the family, friends, and colleagues of the following recently deceased ESA member:

- Lester J. DePew, Garden City, KS

CERTIFICATION

The ESA Certification Board would like to congratulate those entomologists who have recently become associate certified. Congratulations to the following new ACEs:

- Joseph T. Flynn, ACE
- William E. Blasingame, Jr., ACE
- Kumar Haridat, ACE
- Sadruddin Habib Makhani, ACE

For more information about ESA's associate or board certification programs, please visit our website at <http://www.entsoc.org/certification>, e-mail bce@entsoc.org, or call 410-263-3622.



NC STATE UNIV. ASST. PROF. INSECT PEST MGT. ON FIELD CROPS: The Dept. of Entomol. at NC State Univ. is seeking applicants for a 12-month tenure track Asst. Prof. pos. with responsibilities in Ext. (70%) and Res. (30%) on field crop production systems. This position, avail. Jan. 1, 2009, will be housed at the Vernon James Res. & Edu. Ctr. near Plymouth, in eastern NC, and reports to the Head of the Entomol. Dept. The incumbent will be expected to develop a relevant, effective, high impact extension/applied res. prog. that is recognized locally and nationally for developing and delivering new and relevant, research-based information on insect mgt. and IPM in major field crops (i.e. small grains, soybean, corn, stored grain, and cotton, and to a lesser extent peanuts and/or biofuel crops). The incumbent will also be expected to interact with producers, agents, consultants, industry personnel and other stakeholders in the eastern half of the state, and to serve as the primary statewide ext. contact for the above commodities. While the ext. respon. is statewide, primary emphasis will be placed on commodity needs in the Coastal Plain and Tidewater regions. Applied research should support the extension prog. through the devel. of improved IPM technologies and approaches that address priority insect mgt. issues in field crops at the levels of the indiv. crop and the landscape, as appropriate. The incumbent will be expected to support research with extramural funds and to participate actively in grad. student education. Collaboration with other Entom. faculty and fac. at the Vernon James Ctr. is deemed essential. Interdisc. collab. is expected. **QUALIFICATIONS:** Ph.D. in Entomol. or related field, relevant training or exper. in IPM, a strong commitment to quality and high impact ext. and appl. res. **APPLICANTS:** Must apply online by September 15, 2008. See <https://jobs.ncsu.edu> for instructions and required documentation. AA/EOE. ADA Accommodations: please call 919-515-3148. NC State welcomes all persons without regard to sexual orientation. Further inquires; James Harper, Dept. Head, Entomol.; james_harper@ncsu.edu.

ENTOMOLOGY ADVISOR: UC Coop Ext, Ag & Natural Res seeks career-track Entomology Advisor (#ACCSO-07-07-R) covering Monterey, San Benito and Santa Cruz Counties. Conduct research and educ prog applicable to crops produced in area. Extend research-based applied info to commercial growers and Pest Control Advisers through newsletters, publications, special mtgs, websites, popular press articles, farm calls, farm demonstrations, etc. Master's degree

required in entomology or related field. Salary in Assistant Advisor rank, commensurate with education and relevant experience. For full consideration apply by August 15, 2008. Complete announcement at <http://ccsr.ucdavis.edu/>. Request application packet by phone (951) 827-2529 or e-mail: ccsracadrecruitment@ucdavis.edu.

FIELD CROP EXTENSION ENTOMOLOGIST: The Department of Entomology at Iowa State University is conducting a search for a full-time tenure track position in applied entomology to conduct extension and research (70%, 30% respectively) on arthropod pests of Iowa field crops with an emphasis on, but not limited to, insect pests of soybeans and corn. Applications will be considered at the assistant, associate, and full professor level. The successful candidate must be an excellent communicator capable of informing growers and agribusiness across multiple media. The successful applicant will be expected to develop a nationally recognized field crops pest management extension program and collaborate with colleagues, commodity groups, and producers and their service providers. Responsibilities will include advising graduate students. The full announcement and on-line application instructions can be found at <https://www.iastatejobs.com>. Search for Vacancy ID 080538. Closing date for applications is September 15, 2008. ISU is an EO/AA Employer.

NORTH CAROLINA STATE UNIVERSITY – 2 FACULTY POSITIONS – MOLECULAR-GENETIC MANIPULATION OF PEST SPECIES: 1) Assistant Professor, and 2) Associate/Full Professor. 85% Research, 15% Teaching. Requires Ph.D. in Molecular Biology or related field, experience with transgenic methods for genetic manipulation of arthropods and/or mammals, and skills in genomics and bioinformatics. Both positions are designed to be integral parts of a new interdisciplinary NCSU program in Genetic Pest Management <http://www.ncsu.edu/project/gpm/>. The major research effort in these positions must be focused on developing transgenic strains that could be used in the future to decrease pest severity and/or disease incidence. Work on model organisms can constitute a portion of the research programs. Applications will be accepted until September 15, 2008, or until a suitable candidate is selected. Applicants must apply online. See <https://jobs.ncsu.edu> (position #s 01-07-0804 and 01-07-0805) for instructions and required documentation. Proper documentation of identity and employability will be required before the hiring process can

be finalized. Further inquiries: Fred Gould, Entomol.; fred_gould@ncsu.edu. AA/EOE. ADA Accommodations. Please call 919-515-3148. NC State welcomes all persons without regard to sexual orientation.

PEANUT IPM POSITION: The University of Georgia's Department of Entomology has a 12-month, tenure-track Assistant Professor (70% extension and 30% research) position at the Tifton Campus for IPM in peanut production systems. The successful candidate must develop a strong, extramurally-funded extension and applied research program with emphasis in insect crop pest management in peanut production and handling systems in Georgia. The program should include creative, alternative or biologically based approaches along with traditional pest management tactics required to sustain peanut production in GA. Research will focus on areas that integrate levels of biological organization such as population ecology and biology and ecology of pest/vector and beneficial arthropods in agroecosystems in addition to the traditional IPM tactics employed by peanut producers. The successful candidate will participate in the Department, related Departments or Centers, with industry scientists and government agencies. Expertise in Entomology and the College of Agricultural and Environmental Sciences offers unique collaborative potential in a wide range of basic and applied sciences. Applicants must have a Ph.D. degree in Entomology, suitable experience and is expected to participate in departmental education programs. To apply, submit a letter of application that describes your professional goals, extension and research philosophy, and other scholarly interests as they relate to the position, and a detailed curriculum vitae by e-mail to ruberson@uga.edu (Subject Line – Peanut IPM Search). Applicant should arrange to have 4 letters of reference (may be hard copy) sent to: Dr. John Ruberson, Chair, Search Committee, Department of Entomology, University of Georgia, Tifton Campus, P. O. Box 748, Tifton, GA 31793. Complete applications received by October 01, 2008 are assured of full consideration. The University of Georgia is an equal opportunity/affirmative action employer committed to increasing the diversity of its faculty and students.

HORTICULTURAL IPM POSITION: The University of Georgia's Department of Entomology has a 12-month, tenure-track Assistant Professor (70% extension and 30% research) position at the Griffin Campus for IPM in ornamental plant and greenhouse/

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For the Datebook

Year 2008

- ✎ **The 2008 Association of Structural Pest Control Regulatory Officials (ASP-CRO) Annual Meeting** will be held August 24-27, 2008 at the Hotel Albuquerque in Albuquerque, New Mexico. URL: <http://www.pctonline.com/files/pdf/aspicroflyer.pdf>
- ✎ **The Agricultural Biotechnology International Conference (ABIC 2008)** will be held August 24-27, 2008 in Cork, Ireland.

URL: <http://www.abic.ca/abic2008/index.html>

- ✎ **The 7th International Conference on Plant Protection in the Tropics** will be held August 27-29, 2008 at the Hotel Nikko in Kuala Lumpur, Malaysia. URL: <http://www.mapps.org.my/7thICPPT/>
- ✎ **The African Green Revolution Conference** will take place August 28-29, 2008 at the Radisson SAS Scandinavia Hotel in Oslo, Norway. URL: <http://www.african-greenrevolutionconference.com>
- ✎ **The VIII Latinoamerican Scarabaeoidology Meeting** will be held at the Selva Negra Mountain Hotel between Matagalpa and Jinotega in Nicaragua from September 15-18. For more information, contact Jean-Michel Maes at jmmaes@ibw.com.ni.

Employment Opportunities, from p. 7

floriculture production systems. The successful candidate must develop a strong, extramurally-funded extension and applied research program with emphasis in insect pest management in horticultural crop production systems in Georgia. The position focus should include creative, alternative or biologically based approaches along with traditional pest management tactics required to sustain horticultural crop production. Research will focus on areas that integrate levels of biological organization such as population ecology and biologically based pest management. The successful candidate will participate in the Department, related Departments or Centers, with industry scientists and government agencies. Expertise in Entomology and the College of Agricultural and Environmental Sciences offers unique collaborative potential in a wide range of basic and applied sciences. Applicants must have a Ph.D. degree in Entomology, suitable experience and is expected to participate in departmental education programs. To apply, submit a letter of application that describes your professional goals, extension and research philosophy, and other scholarly interests as they relate to the position, and a detailed curriculum vitae by e-mail to kbraman@uga.edu (Subject Line – Horticultural IPM Search). Applicant should arrange to have 4 letters of reference sent to: Dr. Kris Braman, Chair, Search Committee, Department of Entomology, University of Georgia, Griffin Campus, 1109 Experiment Street, Griffin, GA 30223-1797. Complete applications received by October 01, 2008 are assured of full consideration. The University of Georgia is an equal opportunity/affirmative action employer committed to increasing the diversity of its faculty and students.

Welcome New and Returning Members!

ESA welcomes the new members who have recently joined and previous members who have returned after two or more years away from the Society. Professional affiliations are noted where provided.

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