



Awards and Honors

Brad Coates received a Professional Advancement Grant for \$300 from the ISU Graduate Student Senate in March.

Jerry DeWitt was reelected Board Member, Organic Farming Research Foundation, Santa Cruz, CA.

Rick Hellmich was reelected chair of the NC-205 regional research committee, January 2002.

Rayda Krell received first place in the Ph.D. competition for her 10-minute talk at the NCB-ESA meeting in East Lansing, MI.

Al Reed, a freshman biology honor student was awarded a \$250 grant from the Honors Program to facilitate his research in the mosquito biology laboratory. **Wayne Rowley** is Al's mentor this year.

Brent Werner received first place for his poster in the undergraduate competition at the NCB-ESA meeting in East Lansing, MI.

Ted Wilson received second place for Submitted Paper by a Doctoral Student at the NCB-ESA meeting, East Lansing, MI.

Publishing Activity

Bitzer, R.J., L.D. Buckelew, and L.P. Pedigo (2002) Effects of transgenic herbicide-resistant soybean varieties and systems on surface-active springtails (Entognatha: Collembola). *Environmental Entomology* (in press).

Choi, M.-Y., K.S., Han, K.S. Boo, and R. Jurenka (2002) Pheromone biosynthetic pathway in *Helicoverpa zea* and *Helicoverpa assulta*. *Insect Biochemistry and Molecular Biology* (in press).

New Appointments

Jerry DeWitt was appointed Interim National Program Leader (half-time), Sustainable Agriculture USDA-CSREES, in Washington, DC. The appointment is from January 2002 to August 2002.

Kate Kronback was accepted as an M.S. student with **Leslie Lewis** and **Richard Hellmich** and began her program spring semester.

Coates, B.S., R.L. Hellmich, and L.C. Lewis (2001) A minisatellite from the filamentous ascomycete *Beauveria bassiana* shows allelic variability independent of host range and geographic origin. *Genome* 45:125-132.

Coates, B.S., R.L. Hellmich, and L.C. Lewis (2002) *Beauveria bassiana* haplotype determination based on nuclear rDNA internal transcribed spacer PCR-RFLP. *Mycology Research* 106:40-50.

Esker, P.D., J.J. Obrycki, and F.W. Nutter, Jr. (2002) Temporal distribution of *Chaetocnema pulicaria* (Coleoptera: Chrysomelidae) populations in Iowa. *Journal of Economic Entomology* (in press).

Hunt, T.E., L.G. Higley, J.F. Witkowski, L.J. Young, and R.L. Hellmich (2001) Dispersal of adult European corn borer (Lepidoptera: Crambidae) within and proximal to irrigated and non-irrigated corn. *Journal of Economic Entomology* 94:1369-1377.

Jesse, L.C.H. and J.J. Obrycki (2001) Assessment of the non-target effects of transgenic Bt corn pollen on the milkweed tiger moth, *Euchatias egle* (Lepidoptera: Arctiidae). *Journal of the Kansas Entomological Society* 74 (in press).

Krafsur, E.S. (2002) Population structure of the tsetse fly *Glossina pallidipes* estimated by allozyme, microsatellite, and mitochondrial diversities. *Insect Molecular Biology* 11:37-45.



Krafsur, E.S. (2002) The sterile insect technique, in *Dekker Encyclopedia of Pest Management* (Pimentel D ed), pp 788–791, Dekker Publishing, New York.

Endsley, M.A., M.D. Baker, and E.S. Krafsur (2002) Microsatellite loci in the house fly, *Musca domestica* L. (Diptera: Muscidae). *Molecular Ecology Notes* 2:72–74.

Lee, J.H. and W.A. Rowley (2000) The abundance and seasonal distribution of *Culex* (Diptera: Culicidae) mosquitoes in Iowa during 1995–1997. *Journal of the American Mosquito Control Association* 16: 275–278.

Losey, J.E., J.J. Obrycki, and R. Hufbauer (2002) Impacts of genetically-engineered crops on non-target herbivores: Bt-corn and monarch butterflies as a case study, in *Genetically Engineered Organisms: Assessing Environmental and Human Health Effects* (Letourneau, D.K. and B.E. Burrows eds) pp 59–81, CRC Press, Boca Raton, FL.

Ohlfest, J.R., L.C.H. Jesse, R. Jurenka, and J.J. Obrycki (2001) Stability of insecticidal CryIAB protein in transgenic Bt corn pollen exposed to UV irradiation. *Journal of the Kansas Entomological Society* 75 (in press).

Park, Kye Chung and Jim Hardie (2002) Functional specialization and polyphenism in aphid olfactory sensilla. *Journal of Insect Physiology* (in press).

Park, Kye Chung, Samuel A. Ochieng, Junwei Zhu, and Thomas C. Baker (2002) Odor discrimination using insect electroantennogram responses from an insect antennal array. *Chemical Senses* (in press).

Wiebe, A.P. and J.J. Obrycki (2002) Prey suitability of *Galerucella pusilla* eggs for two generalist predators, *Coleomegilla maculata* and *Chrysoperla carnea*. *Biological Control* 23:143–148.

Out-of-State Travel

Greg Courtney was in Washington, DC, February 9–13, to serve on a National Science Foundation Panel (Graduate Research Fellowships) and to visit the Department of Entomology, Smithsonian Institution.

Courtney traveled to Thailand February 17–March 29. The first 2 weeks focused on meeting with students, faculty, and staff at Kasetsart University (KU) and the Royal Forest Department, and teaching an aquatic entomology workshop at KU's Khampaengsaen's campus. For the remainder of the trip, Greg was in northern Thailand, conducting field research with colleagues and students from Chiang Mai University, the Slovene Natural History Museum, University of Missouri-Columbia, and University of California-Davis. The trip was funded by the National Science Foundation (Biotic Surveys and Inventories) and Royal Golden Jubilee Program (Thailand Research Fund).

Jerry DeWitt traveled to Washington, DC, January 1–13, January 29–February 10, February 18–19, March 3–11, and March 23–26. He also went to Rockville, MD, February 21–22; Clemson, SC, February 24–26; La Crosse, WI, February 27–March 1; San Jose, CA, March 20–23; and Minneapolis, MN, March 27–28.

Rick Hellmich co-organized NC-205/NCR-46–sponsored Insect Resistance Management Meeting (Indianapolis, IN, January 2002) to address corn insect resistance to transgenic corn hybrids. EPA, USDA, growers, and industry participated. He also co-organized the symposium *Bt Corn and Corn Insects: Current Issues* at the ESA, North Central Branch Meeting, East Lansing, MI, and presented a talk entitled *Summary of Bt Corn and Monarch Butterfly Research: Where Do We Go from Here?*

Russell Jurenka presented an invited symposium talk on *Trends in Insect Physiology* at the NCB-ESA meeting in East Lansing, MI.

Rayda Krell participated on the Linnaean team at the NCB-ESA meetings in East Lansing, MI. Other Linnaean team members included Patti Anderson, Kate Kronback, and Jeff Bradshaw.

Donald Lewis was an invited speaker at the Texas Pest Control Conference, College Station, TX, January 9–10, and also at the Presto-X-Company Technical Conference, Omaha, NE, February 21–22.

Les Lewis attended the annual meeting of NC-205: Ecology and Management of European Corn Borer and Other Stalk-Boring Lepidoptera, Indianapolis, IN, January 28–30.



John Obrycki traveled to Fayetteville, AR, February 28–March 4, to discuss publication of proceedings of the International Biological Conference and to Little Rock, AR, to attend the S-303 Southeastern Regional Biological Control Committee meeting.

Kye Chung Park and **Thomas C. Baker** traveled to Chicago, IL, on January 15 to discuss ongoing collaboration on the development of olfactory biosensors with Dr. John R. Hetling and his research group in the Bioengineering Department, University of Illinois.

Kye Chung Park traveled to Arlington, VA, February 20–22, to attend the Technical Support Working Group Advanced Program Briefing sponsored by the National Defense Industrial Association.

Rich Pope traveled to Champaign, IL, January 20–25, to attend the East Corn Belt Pest Management Strategic Planning meeting, and to East Lansing, MI, March 31–April 4, to attend the North Central Pest Management meeting.

Marlin Rice traveled to Lexington, KY, January 9–10, to participate in the review of Southern Region IPM grants.

Marlin Rice, **Ted Wilson**, and **Jon Tollefson** traveled to Indianapolis, IN, January 27–29, to attend the NC-205 Regional European corn borer research meeting.

Marlin Rice and **Jeff Bradshaw** traveled to St. Louis, MO, February 16–18, to participate in the Regional Research Committee (NC-502) on soybean aphids.

Wayne Rowley attended the American Mosquito Control Association Meetings in Denver, CO, February 16–19, and a West Nile virus conference at the Centers for Disease Control in Atlanta, GA, March 21–24.

Jon Tollefson, **Ted Wilson**, and **Yong-Lak Park** traveled to Indianapolis, IN, January 29–February 1, to participate in the NCR 46 meeting

The North Central Branch Entomological Society of America annual meeting was held in East Lansing MI, March 24–27. The department was well represented: **Patricia Anderson** (10-min talk in Ph.D. student competition); **Jeff Bradshaw** (poster); **Joel**

Coats; **Dave Dorhout** (10-talk); **Richard Hellmich** (10-min talk); **Russ Jurenka**; **Rayda Krell** (10-min talk); **Kate Kronback** (poster in the Master's competition); **Donald Lewis**; **Marlin Rice** (involved in 5 presentations/posters); **Gretchen Schultz**; **Erica Simbro**; **Cloti Tate** (10-min talk in the Ph.D. student competition); **Jon Tollefson**; **John VanDyk**; **Brent Werner** (poster); and **Ted Wilson** (10-min talk).

International Travel

Joel Coats traveled to Mayaguez, Puerto Rico, February 9–13, to participate in the North Central Administrators in Entomology meeting and AC-12.

Kye Chung Park traveled to San Jose, Costa Rica, March 20–25, to conduct pheromone/kairomone identification studies of tropical and subtropical insect pests.

Other News

On March 29, **Royce Bitzer** and **Patrick Brown** (ISU Geographic Information Systems Facility) launched the 2002 *Vanessa* Butterfly Migration Project, which is an Internet citizen science program to collect first springtime sightings and migration observations of butterflies in the genus *Vanessa*, including red admirals, painted ladies, American ladies, and West Coast ladies, throughout North America. They will be mapping migratory patterns and seasonal changes in distribution of these butterflies. More information, including maps from 2001 data, is available on The Red Admiral and Painted Lady Research site at <http://www.public.iastate.edu/~mariposa/homepage.html> and <http://www.public.iastate.edu/~mariposa/Vanessaproject.htm>

Rick Hellmich was invited to present a talk entitled *Bt Corn and Monarch Butterfly: Story Behind the Science* at Pioneer Hi-Bred International, Johnston, IA (February).