



Arrivals

Judy Shoen has joined the Corn Insects and Crop Genetics Research Unit as secretary of the unit.

Miriam Lopez was hired as a biological science technician to work on the Insect Pathology Project of the Corn Insects and Crop Genetics Research Unit.

Kate Kronback was hired as a biological science technician for the Corn Insects and Crop Genetics Research Unit and will work on the Applied Ecology Project.

Graduations

Justin Grodnitzky graduated in August with an M.S. in toxicology. He is continuing with research in the Coats lab for a Ph.D. in the Toxicology Program.

Laura Jesse graduated in August with an M.S. in entomology. Laura has begun research for a Ph.D. in ecology and evolutionary biology in the Obrycki lab.

Jennifer Remmers graduated with an M.S. in entomology from the Rowley lab. Jennifer is currently working as a temporary instructor for the Department of Zoology and Genetics.

Timothy Nowatzki graduated with a Ph.D. After a short spell as a postdoctoral research associate here, Tim left for a postdoctoral position in Nebraska.

Awards and Honors

Tom Baker received the 2000–2001 Silverstein-Simeone Award from the International Society of Chemical Ecology at the International Society of Chemical Ecology (ISCE) Annual Meeting in Lake Tahoe, CA, July 11th. He will write a review article for the *Journal of Chemical Ecology* and deliver the Silverstein-Simeone Plenary Lecture at the 2002 ISCE Annual Meeting in Hamburg, Germany.

Visiting Scientists

Jumnongjit Phasuk (Ph.D. student) and **Korrrakot Damrak** (M.S. student) arrived on August 15 to work in the Courtney lab. Both are visiting from Kasetsart University, Thailand. Damrak is working on Thai Plecoptera and returned to Thailand on September 19. Phasuk, a co-advisee of Courtney, is working on Thai Simuliidae and will remain at Iowa State University until January 2002.

Erica Simbro received an Entomological Society of America Undergraduate Scholarship. She has worked for 2 years in the toxicology lab and has devoted considerable effort to departmental support activities. She held office as president and vice president for the undergraduate Entomology Club. Erica plans to continue for an M.S. in entomology.

Departures

Denny Bruck has taken a position as a research entomologist, with the USDA, ARS, Horticultural Crops Research Laboratory, in Corvallis, OR. Denny began his new appointment on October 22.

Publishing Activity

Alverson, A.J., G.W. Courtney, and M.R. Luttenton. 2001. Niche overlap of sympatric *Blepharicera* (Diptera: Blephariceridae) larvae from the southern Appalachian Mountains. *J. North Am. Benthol. Soc.* (in press).

Choi, M.-Y., A. Rafaeli, and R. Jurenka. 2001. Pyrokinin/PBAN-like peptides in the central nervous system of *Drosophila melanogaster*. *Cell Tissue Res.* (in press).

Endsley, M.A., M.D. Baker, and E.S. Krafur. Microsatellite loci in the house fly, *Musca domestica* L. (Diptera: Muscidae). *Mol. Ecol. Notes* (in press).



Hellmich, R. L., B.D. Siegfried, M.K. Sears, D.E. Stanley-Horn, H.R. Mattila, T. Spencer, K.G. Bidne, M.J. Daniels, and L.C. Lewis. 2001. Monarch larvae sensitivity to *Bacillus thuringiensis* purified proteins and pollen. Proc. Natl. Acad. Sci. USA (in press).

Krafsur, E.S., M.A. Endsley, D.L. Wohlford, N.T. Griffiths, and R. Allsopp. 2001. Genetic differentiation of *Glossina morsitans centralis* populations. Insect Mol. Biol. 10: 387–395.

Krafsur, E.S. 2001. Population structure of the tsetse fly *Glossina pallidipes* estimated by allozyme, microsatellite and mitochondrial gene diversities. Insect Mol. Biol. (in press).

Krafsur, E.S. The role of population genetics in the sterile insect technique. In A.V. Dyke, U. Feldmann, Robinson, A., Hendrichs, J. [eds]. *The Sterile Insect Technique* (in press).

Krafsur, E.S., M.D. Baker, D.L. Wohlford and N.T. Griffiths. 2001. Population genetics of the morsitans group of tsetse flies (Diptera: Glossinidae). Proceedings, ISCTRC, Mombasa, 1999, pp 220–225.

Lam, W. F., and L. P. Pedigo. 2001. Effect of trichome density on soybean pod feeding by adult bean leaf beetles (Coleoptera: Chrysomelidae). J. Econ. Entomol. (in press).

Ochieng, S.A., K.C. Park, J.W. Zhu, and T.C. Baker. Functional morphology of antennal chemoreceptors of the parasitoid *Microplitis croceipes* (Hymenoptera: Braconidae). Arthrop. Struct. Dev. (in press).

Ochieng, S.A., P.S. Robbins, W.L. Roelofs, and T.C. Baker. Sex pheromone reception in the scarab beetle, *Phyllophaga anxia* (Coleoptera: Scarabaeidae). Ann. Entomol. Soc. Am. (in press).

Oberhauser, K.S., M. Prysby, H.R. Mattila, D.E. Stanley-Horn, M.K. Sears, G. Dively, E. Olson, J.M. Pleasants, W.-K.F. Lam, and R.L. Hellmich. 2001. Temporal and spatial overlap between monarch larvae and corn pollen. Proc. Natl. Acad. Sci. USA (in press).

Pleasants, J. M., R.L. Hellmich, G. Dively, M.K. Sears, D.E. Stanley-Horn, H.R. Mattila, J.E. Foster, P.L. Clark, and G.D. Jones. (2001). Corn pollen deposi-

tion on milkweeds in and near cornfields. Proc. Natl. Acad. Sci. USA (in press).

Sears, M.K., R.L. Hellmich, B.D. Siegfried, J.M. Pleasants, D.E. Stanley-Horn, K.S. Oberhauser, and G.P. Dively. 2001. Impact of *Bt* corn pollen on monarch butterfly populations: A risk assessment. Proc. Natl. Acad. Sci. USA (in press).

Showers, W.B., R.L. Hellmich, M.E. Derrick-Robinson, and W.H. Hendrix, III. 2001. Aggregation and dispersal behavior of marked and released European corn borer (Lepidoptera: Crambidae) adults. Environ. Entomol. 30: 700710.

Stanley-Horn, D.E., G.P. Dively, R.L. Hellmich, H.R. Mattila, M.K. Sears, R. Rose, L.C.H. Jesse, J.E. Losey, J.J. Obrycki, and L.C. Lewis. 2001. Assessing the impact of Cry1Ab-expressing corn pollen on monarch butterfly larvae in field studies. Proc. Natl. Acad. Sci. USA (in press).

Svensson, G.P., P.G. Valeur, D.R. Reynolds, A.D. Smith, A.D. Riley, T.C. Baker, G. Poppy, and C. Löfstedt. Mating disruption in *Agrotis segetum* (Lepidoptera: Noctuidae) monitored by harmonic radar and single cell recordings. Entomol. Exp. Appl. (in press).

Extension, Educational, Technical Publications

IPM 68, Selecting the Correct Nozzle to Reduce Spray Drift, PME program, by **Brent Pringnitz**.

IPM 69, Don't Go Until It's 50°F or below (poster on fall nitrogen application). PME Program, by **Rich Pope**.

Out-of-state Travel

Tom Baker traveled to Lake Tahoe, CA, July 7–12, to attend the annual meeting of the International Society of Chemical Ecology and to chair a symposium on the applied uses of semiochemicals.

Jason Belden traveled to Chicago, IL, August 25–29, to attend and present research at the national American Chemical Society meeting.

Royce Bitzer and **John Pleasants** traveled to Lawrence, KS, on May 20–22 to attend the Monarch



Population Dynamics Conference and to present a poster entitled “The Relationship Between Egg Deposition Patterns and Adult Population Structure of the Monarch, *Danaus plexippus* L.”

Susan Chapman and **Bethzayda Matos-Carrion** traveled to Bozeman, MT, August 1–7, to present a poster on research and attend meetings.

Joel Coats traveled to Chicago, IL, August 25–29, as invited speaker for the National Meeting of the American Chemical Society.

Greg Courtney, **Joel Gibson**, **Jumnongjit Phasuk**, and **Korrakot Damrak** traveled to the southern Appalachians, August 21–25, to collect insects and visit scientists at Clemson University, SC.

Justin Grodnitzky, **Dong-Sik Park**, and **Todd Phillips** traveled to Chicago, IL, August 25–29, to attend and present research at the national American Chemical Society meeting.

Mary Harris traveled to Tucson, AZ, August 2–6, to attend a scientific meeting on Arthropods in Captivity.

Rick Hellmich was invited by the Pew Initiative on Food and Biotechnology to participate in Stakeholder Forum meetings held in Washington, DC, in July and August. He presented “Insect Resistance Management and Monarch Butterfly: Process and Lessons Learned,” in Sundance, UT, in August. He also was invited by the Environmental Protection Agency to participate in a workshop on Bt Corn Insect Resistance Management Strategies, held in Washington, DC, in September.

Joyce Hornstein traveled Charlotte, NC, October 20–24, to attend the American Society of Agronomy National meetings.

Laura Jesse traveled to Silver Springs, MD, July 13–18, to attend and present at the Environmental Protection Agency STAR Fellowship Conference.

Elliot Krafur traveled to Washington, DC, in July to participate in a National Institutes of Health study section on tropical medicine and parasitology.

Russell Jurenka traveled to Lake Tahoe, CA, July 7–12, to present an invited talk entitled “Regulation of Pheromone Biosynthesis in Moths” in a symposium

at the International Society of Chemical Ecology meeting.

John Obrycki traveled to Bozeman, MT, July 27–August 8, to attend NCR-125 meeting. The NCR-125 meeting was held in conjunction with a biological control symposium, The Practice of Biological Control: Importation and Management of Natural Enemies and Agents. He also traveled to Amboy, IL, September 11–13, to meet with individuals from the University of Illinois and Purdue University to plan a jointly taught course in biological control.

Rich Pope traveled to Adams County Extension Office in Quincy, IL, July 26–28, to participate and represent Iowa at a three-state (Iowa, Illinois, and Missouri) planning meeting for developing a corn pest strategic plan through the North Central Regional Pest Management Center.

Marlin Rice traveled to San Diego, CA, July 12–16, to attend program-planning committee meeting to prepare and organize the Entomological Society of America Annual conference.

Jon Tollefson traveled to Washington, DC, July 25–28. He was invited by the Environmental Protection Agency to serve as an expert on a panel to develop insect resistance management plans for corn that has been genetically engineered to be resistant to corn rootworms. Tollefson also traveled to East Lansing, MI, August 12–13, to represent the North Central Integrated Pest Management Committee in the interview for the position of Facilitator in the Integrated Pest Management Center. He traveled back to Washington, DC, September 24–27, as an Iowa State University representative and Chair of NCR-201 North Central Integrated Pest Management Technical Committee. He also participated in the Pest Management Centers Directors and National IPM Committee Joint Meeting, and the annual meeting of the North Central Integrated Pest Management Research Technical Committee (NCS-3) held in Indianapolis, IN.

John VanDyk attended the O’Reilly Open Source Software conference in San Diego in July to learn more about the Python programming language and the Zope web object publishing system.



International Travel

Tom Baker traveled to Penang, Malaysia, August 5–12, to attend the 3rd Meeting of the Asia-Pacific Association of Chemical Ecologists, where he chaired a symposium on Chemoreception and Biosensors. Tom then traveled to Concepcion, Chile, August 20–25, where he presented two invited lectures at a symposium on Applied Uses of Pheromones at the University of Concepcion. Finally, Tom traveled to Sardinia, Italy, to attend the 6th Meeting of the European Society of Insect Taste and Olfaction (ESITO) and present an invited paper.

Joel Coats also traveled to Beijing, Nanning, and Shanghai, China, September 7–29, to present invited presentations at four universities and establish contacts for possible future collaboration.

Marlin Rice traveled to Brussels, Belgium, in September, and to Nairobi, Kenya, and Western Tanzania, in October, to complete research on African Cerambycidae and Chrysomelidae at the Royal Museum for Central Africa in Tervuren, Belgium, and also meet with a tour operator to review plans and visit facilities for the International Field Trip in Biology, 394A, to be held during May 2002.

Jennifer Remmers and **Wayne Rowley** traveled to Puntarenas, Costa Rica, August 2–10, to visit various research sites. They traveled to western sites with the University of Costa Rica, August 29–September 2, for a continuation of research project on the control of dengue fever in Costa Rica by controlling the vector mosquito.

Junwei Zhu traveled to Penang, Malaysia, August 7–11, to present an invited talk and also chair the session of urban entomology at the 2nd conference of Asia-Pacific Association of Chemical Ecologists

Insect Zoo

From July 1 through September 30, the Insect Zoo was seen by 1,546 participants at schools and public programs and generated \$1,669 in fees. More than 45,000 people saw the zoo at the Iowa State Fair. Thank you to all who assisted either directly or indirectly during this time. The zoo staff had more than 30 programs scheduled for October.

Web Activity

The Department of Entomology leads the College of Agriculture in website activity according to data compiled by **John VanDyk** (see chart on next page)..

