



Personnel News

Greg Curler was accepted as an M.S. student with Greg Courtney. His research will include revision of the moth-fly genus *Neotelmatoscopus* Tonnoir (Diptera: Psychodidae).

Sumalatha Gaddam joined the Beetham lab in August 2003 to pursue a Ph.D. Suma has begun structure/function analyses of a surface protein (on *Leishmania spp.*) that is present when *Leishmania spp.* are within the gut of the sandfly vector and briefly when *Leishmania spp.* are newly-inoculated into a vertebrate host.

Maya Hayslett joined Les Lewis' laboratory in the Corn Insects and Crop Genetics Research Unit. Maya received a B.S. in Biology with Honors and Distinction and a minor in Spanish from ISU in May. She will support research on colonization of the corn rhizosphere by *Beauveria bassiana* and research on nontarget effects of transgenic corn.

Benjamin Kaeb was accepted as an M.S. student with Jon Tollefson.

Yinghua Liu, a MCDB graduate student, conducted a research rotation in the Bonning lab, working on cloning and expression of insecticidal proteases.

Masayo Ozaki (Grinnell University) is conducting her senior research internship in the Beetham lab during the fall semester.

Matt Petersen was accepted as a Ph.D. student with Greg Courtney. His research will include a survey of lotic crane-flies of northern Thailand and revision of the genus *Antocha* Osten Sacken (Diptera: Tipulidae).

Nina Richtman was accepted as an M.S. student with Jon Tollefson. Her research will include black cutworm and transgenic corn interaction.

Awards and Honors

Mark Shour received the 2003 P&S Outstanding New Professional Award from ISU. Mark coordinates the School IPM program, works with commercial pesticide applicators and arborists, answers inquiries about yard, garden, turfgrass and greenhouse pests, and teaches ENT 201.

Publishing Activity

Beetham, J.K., Donelson, J.E. and Dahlin, R.R. (2003) Surface glycoprotein PSA (GP46) expression during short- and long-term culture of *Leishmania chagasi*. *Mol Biochem Parasitol* 131-2, 109-117.

Coates, B.S. and Hellmich, R.L. (2003) Two sex-chromosome-linked microsatellite loci show geographic variance among North American *Ostrinia nubilalis*. *J Insect Sci* 29:1-6.

Harrison, R.L. and Bonning, B.C. Application of maximum likelihood models to selection pressure analysis of group I nucleopolyhedrovirus genes. *J. Gen. Virol.* (in press).

Jurenka, R.A. (2003). Biochemistry of female moth sex pheromones. In "Insect Pheromone Biochemistry and Molecular Biology" (Blomquist, G., Vogt, R., Eds.), pp 53-80. Academic Press, New York.

Rafaeli, A. and Jurenka, R.A. (2003). PBAN regulation of pheromone biosynthesis in female moths. In "Insect Pheromone Biochemistry and Molecular Biology" (Blomquist, G., Vogt, R., Eds.), pp 107-136. Academic Press, New York.

Extension, Educational, Technical Publications

Mark Shour - Editor for IPM 70-8 Integrated Pest Management for Schools newsletter July 2003. Author of article in IPM 70-8 "Exterior Pests: White Grubs".



Patent

To **Joel Coats**, Chris Peterson, Rong Taso, Aimee Egger, Greg Tylka: Compounds related to natural sources and their use as biopesticides. Patent No. 6,545,043.

Out-of-state Travel

Bryony Bonning traveled to Davis, CA, July 12-16, to participate in the annual meeting of the American Society for Virology.

Bryony Bonning participated in the annual meeting of the Society for Invertebrate Pathology in Burlington, VT, July 26-30.

Jeff Bradshaw attended the American Phytopathological Society Annual Meeting to attend the Virology Committee and to attend the workshop on Linear Mixed Models, August 8-10, in Charlotte, NC.

Joel Coats, **Bryan Clark**, and **Todd Phillips** traveled to Indianapolis, IN, July-1-2, to meet with scientists from Dow AgroSciences to discuss research.

Joel Coats, **Bryan Clark**, **Keri Henderson**, **Dingfei Hu**, and **Todd Phillips** attended the Ozark Prairie Region meeting of the Society of Environmental Toxicology and Chemistry in St. Louis, MO, August 11-12.

Joel Coats, **Bryan Clark**, **Keri Henderson**, and **Gretchen Schultz**, attended and presented research at the 226th National Meeting of the American Chemical Society in New York, NY, September 6-10.

Greg Courtney conducted a field trip to Wurdack Experimental Farm, University of Missouri, Cook Station, MO, to collect insects for Systematics Entomology class September 5-7. Students taking part include: **Jeff Alfred**, **Matt Cummings**, **Greg Curler**, **Emily-Jean K. Fuerst**, **Benjamin Kaeb**, **Jason Kinley**, **Kate Kronback**, **Tyasning Nusawardani**, **Matt Petersen**, **Maisha Rudison**, and **Mary Schuster**.

Jerry DeWitt traveled to Washington, DC, to work at USDA on national sustainable ag program and to attend the national youth IPM conference, July 24-30.

Jerry DeWitt traveled to Indianapolis, IN, to give a presentation on on-farm research at the Ag Information Conference, July 30-August 1.

Jerry DeWitt traveled to Green Bay, WI, July 13-16 to attend a national conference and present information on sustainable agriculture and budget information at the National Association of County Agricultural Agents annual conferences.

Jerry DeWitt met with Seeds of Change researchers to write joint research proposals and reports, and also to visit field research plots in Espinola, NM, July 19-22.

Jerry DeWitt traveled to Nebraska City, NE, September 3-4, to attend National Rural Founders Conference; Kansas City, KS, September 5, to present workshop at the National Contracts Conference; and Washington, DC, September 5-9, to attend Breeds and Seeds Conference for USDA Sustainable Ag.

Jerry DeWitt participated in the National Curriculum development program for the USDA Sustainable Ag Program in Nashville, TN, September 22-24.

Joyce Hornstein traveled to Brooklyn Center, MN, August 26-27 to provide pesticide re-certification training for the Iowa Greenhouse Growers Association and other pesticide applicators that are attending the MDM Trade Show and Greenhouse Seminars.

Matt Westgate traveled to Portland, OR, for the O'Reilly Open Source Convention for training on current information technology topics, July 8-11.

Mark Shour traveled to Honolulu, HI, to attend the National Pesticide Educators Workshop as the Iowa representative and the North Central Region junior representative of the American Association of Pesticide Safety Educators, August 10-14.

Mark Shour attended the North Central Forest Pest Workshop in Cloquet, MN, September 22-25.

Mark Shour participated in the Southern Pesticide Safety Education Center training, Raleigh, NC, September 29 - October 1, 2003.

Jon Tollefson traveled to Columbia, MO, July 27-29



to discuss research and view the *Diabrotica* spp. germplasm screening at the USDA Agricultural Research Service Entomology Lab.

Jon Tollefson traveled to Brookings, SD, to discuss research and view the *Diabrotica* spp rearing facilities at the Northern Grain Insects Laboratory, July 22-24.

Jon Tollefson traveled to Brookings, SD, August 15-16, to discuss spatial analysis of data from the Area Wide Research Project on *Diabrotica* spp.

Junwei Zhu was invited to give a seminar on semiochemicals in pest management at the USDA in Hilo, HI, September 10-14.

Festival, co-sponsored by the department's undergraduate Entomology Club.

The Department's **website** continues to see a very high level of utilization. The numbers below average out to just over six pages viewed per minute for every minute of the day.

Month	Hits	Page Views
July	2,936,471	867,474
August	2,508,892	721,567
September	2,876,683	852,592

International Travel

Man Yeon Choi attended the joint meeting of 3rd APACE (Asia-Pacific Association of Chemical Ecologists) and 20th ISCE (International Society for Chemical Ecology) in Gyeongju, Korea, July 14-19.

Laura Jesse and **Betsy Matos** traveled to Berlin, Potsdam, and Gulpe, Germany, July 7-August 7, to conduct research with purple loosestrife in its native environment.

Jon Tollefson served as a Fulbright Senior Specialist research advisor to the Plant Protection Faculty of University J.J. Strossmayer in Osijek, Croatia, on the management of *Diabrotica virgifera*, July 5-20.

Other

The Department's **Insect Zoo** is happy to welcome a new hourly employee, **Abby Hade Terpstra**, to our team. Abby is currently working as a part-time educational assistant, presenting programs throughout the state. Abby is also helping to develop some new volunteer training and "Bug Boxes" for teacher use.

The Zoo reports a successful summer, and is looking forward to another great school year with the kids. During the time period July-September, the zoo reached more than 3,200 participants through educational programming. In addition, more than 150 people participated in this year's Horror Film