

T H E O H I O S T A T E U N I V E R S I T Y
DEPARTMENT OF ENTOMOLOGY



Newsletter

Polly Graham, Editor



MESSAGE FROM THE MAIN OFFICE

Greetings from the Front Office.

We are proceeding apace with the plan to split the department into two factions. We anticipate that 9 or so FTEs will be absorbed into EEOB. The remainder will move into FAES. Most people will have 100% appointments in either BMPS or FAES. There will be a small number of joint appointments. We expect for the new arrangement to be operational by October 1, 2009. Bear with us as we negotiate the transition which may involve a little extra service.

I am delighted to inform you that our entomology promotional video is about to become a reality. We shot Jim Tressel and Gordon Gee with a lovely Australian walking stick on their shoulders. President Gee was clearly disconcerted by being so close to insect kind but he came through like a trooper. Thanks go to our wonderful and creative graduate students for putting the whole thing together. We'll be posting the video on YouTube for all to see within a couple of weeks. I hope that you'll check it out and tell your friends and family so that it will "go viral" as they say in the digital world.

In the meantime, please stay upright and warm.

Susan

CALENDAR



- February 5th Faculty Meeting - CANCELLED
- February 7th The Fifth Museum Open House, Museum of Biological Diversity 1315 Kinnear Road, 10:00 AM to 4:00 PM (See more info. Under Miscellaneous)

PRESENTATIONS

Denlinger, D.L. and C. Sim. A shut-down in expression of an insulin-like peptide, ILP-1, halts ovarian maturation during the overwintering diapause of the mosquito *Culex pipiens*. Invertebrate Neuropeptide Conference, Khajuraho, India, Jan. 11-15, 2009.

- Hammond, R. Insecticide Seed Treatments - What Do They Control? Advanced Agronomy Workshop. Columbus, OH. January 9, 2009.
- Hammond, R. Soybean Bugs, Corn Critters, and Integrated Pest Management. West Ohio Agronomy Day. Sidney, OH. January 12, 2009.
- Herms, D.A. 2009. Management options for emerald ash borer. Minnesota Green Expo. Minneapolis, MN. 9 January. Minnesota Green Expo. Minneapolis, MN. 9 January.
- Herms, D.A. 2009. Selectivity of insecticides for managing tree and shrub pests: what works for what and what doesn't. Minnesota Green Expo. Minneapolis, MN. 9 January.
- Herms, D.A. 2009. Ecological impacts of emerald ash borer in forests of southeast Michigan. USDA Research Forum on Invasive Species. Annapolis, MD. 13-16 January.
- Herms, D.A. 2009. Research opportunities for undergraduates in the Department of Entomology at OARDC. Department of Biology, College of Wooster. Wooster, OH. 22 January.
- Klooster, W, Herms, CP, Knight, K, Gandhi, KJK, Smith, A, Herms, DA, and Cardina, J. Native and invasive plants in the seedling layer of forests affect by emerald ash borer. Midwest Invasive Plants Network and North Central Weed Science Society Annual Meeting. December 8-11, Indianapolis, IN.
- Knight KS, Cardina J, Herms CP, Gandhi KJK, Smith A, Long RP, and Herms DA. 2009. Effects of emerald ash borer (*Agilus planipennis*) on forest stands: Ash (*Fraxinus* spp.) decline and mortality. Ohio State University Buckeye Ecologist Symposium. January 16, Columbus, OH.
- Knight KS, Cardina J, Herms CP, Gandhi KJK, Smith A, Long RP, and Herms DA. 2008. Invasive plants in forests infested by emerald ash borer: how scientists and managers worked together to design a useful research program. Midwest Invasive Plants Network and North Central Weed Science Society Annual Meeting. December 8-11, Indianapolis, IN
- Uppstrom, K. A. Acarine Invaders: Exposing the mite guests of Ohio ant nests. Buckeye Ecologists Symposium. Columbus, OH. January 16, 2009.

PUBLICATIONS

- Ammar, E.-D., Tsai, C.-W., Whitefield, A. E. and Redinbaugh, M.G. 2009. Cellular and molecular aspects of Rhabdovirus interactions with insect and plant hosts. **Annual Review of Entomology 54:447-68**
- Ammar, E.-D. and Hogenhout, S. A. 2008. A neurotropic route for *Maize mosaic virus* (*Rhabdoviridae*) in its planthopper vector *Peregrinus maidis*. **Virus Research 131:77-85.**
- Eisley, B., R. Hammond, and A. Michel. 2008 Research Results on Corn Rootworm Control-Insecticides. 2008. Crop Observation and Recommendation Network (C.O.R.N.). 2009-01, Jan 5-20, 2009.

Eisley, B., R. Hammond, and A. Michel. 2008 Research Results on Corn Rootworm Control-Transgenic Hybrids. 2008. Crop Observation and Recommendation Network (C.O.R.N.). 2009-01, Jan 5-20, 2009.

Hammond, R., R. Mian, A. Michel, and B. Eisley. Soybean Aphid Resistance. 2008. Crop Observation and Recommendation Network (C.O.R.N.). 2009-01, Jan 5-20, 2009.

Hammond, R., A. Michel, and B. Eisley. 2009. Corn rootworm control in 2009. **Ohio's Country Journal. January, 2009.**

Hammond, R., R. Mian, A. Michel, B. Eisley, A. Dorrance, D. Mills, B. Meiring, G. Arnold, and M. Koenig. 2008 Ohio pest research highlights. **Ohio's Country Journal. Mid-January, 2009.**

Hermes, D.A. 2009. Predicting pest activity with flowering plants. **Great Lakes Christmas Tree Journal 4(1): 12-17.**

Hermes, D.A. 2009. Managing magnolia scale. **American Nurseryman 209(1):10-11.**

Hogenhout, S. A., Ammar, E.-D., Whitfield, A. E. and Redinbaugh, M.G. 2008. Insect vector interactions with persistently transmitted viruses. **Annual Review of Phytopathology 46:327-59**

Taekul, C., Johnson, N.F., Masner, L., Rajmohana K., and Shu-Pei, C. 2008. Revision of the world species of the genus *Fusicornia* Risbec (Hymenoptera: Platygasteridae, Scelioninae). **Zootaxa 1966: 1-52.**

GRANTS

Buckley, T.J., Pirie, P., Needham, G.R., Klein, E. The Wedgewood Community: A Partnership to Bridge Barriers for Community Access and Assistance. OSU Center for Clinical and Translational Science Community Engagement Program Seed Grant. Jan-July, 2009, **\$14,991.**

Hermes, D.A. Tree Health, carbon sequestration, and sustainability of urban forests. Bayer Environmental Science. 2009-2010. **\$60,000.**

MISCELLANEOUS



The Fifth Museum Open House will be held at the Museum of Biological Diversity (1315 Kinnear Road, Upper Arlington) on February 7, 2009, from 10am to 4pm. It is free of charge, and parking is also free. In addition to material related to the topic of *Voyages of Discovery*, the public is invited to tour our facility and see the labs and the "behind the scenes" collections spaces. We will display many of our most interesting specimens and provide dozens of OSU experts to answer questions. More information about the Museum and this event can be found at our web site, <http://mbd.osu.edu>, or email mbd@osu.edu. As part of this annual celebration, Dr. Cindy Lee Van Dover will present an evening lecture open to the public on Tuesday, February 17, at 7pm, in the Auditorium (#001) of Jennings Hall at the intersection of 12th Avenue and Neil Avenue at the OSU Main Campus. Dr. Van Dover is a leader in deep sea exploration. Her lecture topic will be "The Octopus's Garden - Tales of Discovery at Deep-Sea Hot Springs."

The **News;letter** is a monthly publication of the of the *Department of Entomology, The Ohio State University*. All in the Department are encouraged to submit news, current happenings, achievements, images and important deadlines related to the OSU Entomology faculty, staff and students.

Send material for next month's **News;letter** to Polly Graham (graham.311@osu.edu)

Credits: Newsletter design by L. Musetti (2007-2009)