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## Newsletter

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### MESSAGE FROM MAIN OFFICE

Greetings from the front office,

Although many of you will be headed out of town the minute grades are deposited, please remember that there are several things of importance going on in March.

First, we will be visited by 3 candidates for the Landscape Ecology positions for which there will be two seminars each and lots of free food. Secondly, the NCB meetings will meet in Columbus during the last week of March. Please attend as much of the meeting and affiliated activities as your schedule permits. As you know, Dave Horn has been in charge of the local arrangements for this important event and I swear it's just a coincidence that he's retiring from OSU at the end of that week. But please remember, that we are honoring him from 4-6 on 3/28 at the Faculty Club. Think spring.

Susan



### CALENDAR

- March 13<sup>th</sup>      **Combined Faculty Meeting.**  
Wooster. 10:00am-3:00pm.
- March 16<sup>th</sup>      **Winter Quarter Commencement.**
- March 24<sup>th</sup>      **Spring Quarter classes begin.**
- March 24<sup>th</sup> -27<sup>th</sup>      **63<sup>rd</sup> Annual North Central Branch Meeting.**  
Hyatt Regency Columbus.
- March 28<sup>th</sup>      **Dr. Dave Horn's Retirement Party.**  
Faculty Club.

### PRESENTATIONS

- Denlinger, D.L. Antarctica and its insect. *Western Ontario University, London, January 25, 2008*
- Denlinger, D.L., Zhang, Q., and Nachman, R.J. The diapause hormone conundrum: a neuropeptide that induces embryonic diapause in *Bombyx* breaks pupal diapause in *Heliothis* and *Helicoverpa*. *Invertebrate Neuropeptide Conference, Gamboa, Panama, Feb. 17-21, 2008.*
- Hammond, R. Managing the Western Corn Rootworm Variant. *2008 Conservation Tillage Breakfast Meeting, Hardin County, Mt. Victory, OH. February 5, 2008. 75 people.*

Hammond, R. Insect IPM. *Upper Sandusky, OH. February 7, 2008. 50 people.*

Hermes, D.A. Biology and management of scale insects. *Summit County Extension IPM in Landscapes Curriculum. Cuyahoga Falls, OH. 6 February 2008.*

Hermes, D.A. Research update: recent developments in insecticides for control of insect pests of tree and shrubs. *Tri-State Green Industry Conference. Cincinnati, OH. 7 February 2008.*

Hermes, D.A. Anthropogenic global warming: an overview of the evidence. *Tri-State Green Industry Conference. Cincinnati, OH. 7 February 2008.*

Horn, D. J. The long and winding road: ecology and management of beetles, butterflies, birds and other things. *Department of Entomology, OSU, Feb. 5, 2008.*

Michel, A.P. Insect concerns in row crops and alfalfa. *Northern Ohio Crops Day. Gibsonburg, OH. February 14, 2008.*

Michel, A.P. Of Pests and People: Understanding rapid evolution to environmental change using insect pest systems. *Department of Entomology, University of Illinois, Urbana, IL. February 18, 2008.*

Rebek, E.J., D.R. Smitley, and D.A. Hermes. Variable resistance of ash trees to emerald ash borer, *Agilus planipennis*. *Entomological Society of America -Southwestern Branch Annual Meeting, Feb. 23-26, Ft. Worth, TX.*

Williams, R.N. Novel Approaches to Grape Insect Management. *Ohio Grape and Wine Conference, Shisler Center, OARDC, Wooster, Feb. 11-12, 2008.*

### PUBLICATIONS

- Elnitsky, M.A., Hayward, S.A.L., Rinehart, J.P., Denlinger, D.L. and Lee, R.E., Jr..2008. Cryoprotective dehydration and the resistance to inoculative freezing in the Antarctic midge, *Belgica antarctica*. **Journal of Experimental Biology 211:524-530.** (also featured in Inside JEB, pp. i-ii, and ScienceNOW, Feb. 15, 2008)
- Furgani, G., Boszormenyi, E., Fodor, A., Mathe-Fodor A., Forst, S., Hogan, J.S., Katona, Z, Klein, M.G., Stackebrandt, E., Szentirmai, A., Sztaricskai, F., and Wolf, S.L. 2008. *Xenorhabdus* antibiotics: a comparative analysis and potential utility for controlling mastitis caused by bacteria. **Journal of Applied Microbiology 104:745-758**

Rebek, E.J., D.A. Herms, and D.R. Smitley. 2008. Interspecific variation in resistance to emerald ash borer (Coleoptera: Buprestidae) among North American and Asian ash (*Fraxinus* spp.). **Environmental Entomology** 37:242-246.

Vadrevu, Krishna Prasad, John Cardina, Fred Hitzhusen, Issac Bayoh, Richard Moore, Jason Parker, Ben Stinner, Deb Stinner and Casey Hoy. 2008. Case Study of an Integrated Framework For Quantifying Agroecosystem Health. Ecosystems. (currently available through Online First at <http://dx.doi.org/10.1007/s10021-007-9122-z> )

Yoder, J.A., Benoit, J.B., Denlinger, D.L., Tank, J.L. and Zettler, L.W. 2008. An endosymbiotic conidial fungus, *Scopulariopsis brevicaulis*, protects the American dog tick, *Dermacentor variabilis*, from desiccation imposed by an entopathogenic fungus. **Journal of Invertebrate Pathology** 97:119-127.

Zhang, Qirui, Jan Zdarek, Ronald J. Nachman, David L. Denlinger, 2008. Diapause hormone in the corn earworm, *Helicoverpa zea*: optimum temperature for activity, structure-activity relationships, and efficacy in accelerating flesh fly pupariation. **Peptides** 29:196-205.

The **Newsletter** 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 **Newsletter** to Abbey or Polly.

Photo: Grasshopper, South Africa - by L. Musetti

Newsletter design: L. Musetti (2007-2008)

## MISCELLANEOUS

On February 16, the Museum of Biological Diversity hosted the **Fourth Annual Open House**, with the central theme of invasive species. One thousand visitors toured the collections and learned about invasive species and other biodiversity in six hours, with more than 90 volunteers staffing the event. Our Museum Open House speaker was Eminent Ecologist Dr. Dan Simberloff who offered on February 8 "Birds of the Solomon Islands: The domain of the equilibrium theory of island biogeography and community assembly rules" an academic lecture, and that evening a public lecture "Biological Invasions: A Global Threat, But A Winnable War." The event went off without a hitch, and we are already looking forward to next year!

