



To: Insects, Diseases and Invasive Plants (IDIP) – SRS-4552

From: Doug Streett, Project Leader

NOTES # 65

December 1, 2010

Unit News

Michael Ulyshen ...was invited by a New Zealand researcher to apply for the “2011 International Mobility Fund” awarded by the Royal Society of New Zealand to foster collaboration between scientists in New Zealand and other countries. The application was successful and Michael plans to spend about 10 weeks there beginning in January. The research is to take place in *Pinus radiata* plantations and will focus on 1) evaluating the role of invertebrates in the decomposition rate of wood and 2) quantifying native biodiversity using remote sensing technology.

News... **Jim Miller** was recognized by the Ecological Society of America in their certification program as a Certified Senior Ecologist.

Update... **Jim Miller** has had 30,000 copies of the "A Field Guide for the Identification of Invasive Plants in Southern Forests" released by authors, Miller, E. Chambliss and N. Loewenstein. GTR SRS-119, 126 p with 468 images. Available free from SRS for wide distribution.

News ... **Jim Miller** says the printer proofs for "A Management Guide for Invasive Plants of Southern Forests" are in and will be sent to the printer within the next few weeks.

New IDIP Technical Transfer Activities

Jim Hanula – had an invited talk Zhang, Y., **J.L. Hanula** and **S. Horn**. 2010. Observations on the biology and impact of *Megacopta cribraria* on kudzu. Symposium: Current Status of *Megacopta cribraria* (F.) (Heteroptera: Plataspidae) in Georgia and South Carolina. 6th Joint Meeting of the SC. and GA Entomological Societies. 6-8 October 2010, McCormick, SC.

... has a paper in press by **Hanula, J.L., M.D. Ulyshen** and **S. Horn**. *in press*. Effect of trap type, trap position, time of year, and beetle density on captures of the Redbay Ambrosia Beetle, *Xyleborus glabratus* (Coleoptera: Curculionidae: Scolytinae). *J. Econ. Entomol.*

... Joseph, S.V., S. K. Braman and **J.L. Hanula**. *in press*. Effects of Fertilization of Four Hemlock Species on *Adelges tsugae* (Hemiptera: Adelgidae) Growth and Feeding Preference of Predators. *J. Econ. Entomol.*

Mike Ulyshen – has several publications in press;

Duan, J. J., Bauer, L. S., **Ulyshen, M. D.**, Gould, J. and van Driesch, R. *in press*. Field evaluation of *Oobius agrili* (Hymenoptera: Encyrtidae) in North America, a newly introduced egg parasitoid of the emerald ash borer (Coleoptera: Buprestidae). *Biological Control*

Ulyshen, M. D., Mankin, R. W., Chen, Y., Duan, J. J., Poland, T. M. and Bauer, L. S. *in press*. The role of sound in host-quality assessment by *Tetrastichus planipennisi* (Hymenoptera: Eulophidae), parasitoid of the emerald ash borer. *Journal of Economic Entomology*

Ulyshen, M. D., Horn, S., and **Hanula, J. L.** *in press*. First southeastern records for *Laconotus punctatus* LeConte (Coleoptera: Mycteridae), an early-seasonal canopy specialist? *The Coleopterists Bulletin*

Ulyshen, M. D., Pucci, T. and **Hanula, J. L.** *in press*. The importance of forest type, tree species and wood posture to saproxylic wasp (Hymenoptera) communities in the southeastern United States. *Journal of Insect Conservation*

Jim Miller – had several invited presentations:

... Invasive plant identification and impacts. Alabama Urban Forestry Association's Annual Conference, October 28, 2010, Pelham, AL.

... The US and State policies pertaining to invasive plants. Graduate course in Forest Policy, invited lecture, October 26, 2010, Auburn University, AL.

... The influences of gardening on the invasion of non-native plants into surrounding forests. Lake Wedowee Garden Club, November 17, 2010, Wedowee, AL.

Dan Miller– had a paper published; Miller, D.R. and J.D. Allison. Variation in Enantiospecific Attraction of *Ips avulsus* (Eichhoff) (Coleoptera: Scolytidae) to the Pheromone Ipsdienol in Georgia. J. Econ. Entomol. (Nov 2010)

... will have a poster at the ESA meeting in San Diego; Miller, D.R., R.J. Rabaglia and C.M. Crowe. Ethanol and (-)-alpha-pinene for detecting bark and ambrosia beetles in southeast USA.

Bill Otrosina – had a presentation entitled “Blackstain root disease research in eastside pine, an overview of ongoing studies.” At the California Pest Council Meeting, November 17, Sacramento, CA.

... presented seminar entitled “ Site conditions, fire, and root disease: are *Leptographium* sp. and *Heterobasidion* sp. root disease consequences of “exotic” ecosystems? Institute of Forest Genetics, November 18, Placerville, CA.

Bud Mayfield – presented a talk with coauthor **Jim Hanula** titled "The redbay ambrosia beetle and laurel wilt: Biology, impact, and thoughts on biological control" at the Biological Control for Nature Conference, Oct 5, Northampton, MA.

... submitted two chapters on lesser cornstalk borer and white grubs for the Forest Service FHP revision of Agriculture Handbook 680, "Forest Nursery Pests".