

Station News

A PROGRESS REPORT for staff
and Friends of America's first Agricultural Experiment Station

New web site sponsored by NOAA <http://www.isos.noaa.gov/public>. The weather data at our new weather station at Lockwood Farm are downloaded daily to a database connected with this site. You can take a look at present and past weather information in the form of tables and graphs. In the future we will be getting more monitoring devices from NOAA. Our site



identification is Mount Carmel, MTCC3. If you have any further questions please contact Vickie Bomba-Lewandoski for more information. Vickie.Bomba@po.state.ct.us or 203-974-8447.

Congresswomen Rosa DeLauro and her staff members visited the Station on Thursday, July 7th along with media and invited guests. Station scientists reported on the research being conducted on West Nile virus and Aquatic Invasive weeds. A tour was given to Congresswomen DeLauro highlighting the BSL3 Virus



Laboratory, the Department of Biochemistry and Genetics, and the Department of Analytical Chemistry.



Departmental News

Administration

DR. LOUIS A. MAGNARELLI spoke to the media at a press conference about mosquito/encephalitis virus research and the invasive aquatic plants project at the Station (July 7); was interviewed about agriculture in Connecticut by Ken Simon of Simon Pure Productions (July 12); and was interviewed about ehrlichiosis by Gale Braccidiserro of the New York Times (July 22).

Entomology

ROSE BONITO manned a display at the "CT Agricultural Fair" held at the Goshen Fairgrounds, Goshen (July 30).

DR. CHRIS T. MAIER spoke about "Alternate Hosts of Fruit Insects and Other Tidbits" at a Twilight Meeting of the Connecticut Pomological Society at Lockwood Farm (July 6).

GALE RIDGE was interviewed on the Gypsy Moth Caterpillar outbreak for Channel 30 News (July 13), and interviewed on the Gypsy Moth outbreak in Middlesex County by Mike McCune of the Hartford Courant (July 26).

DR. VICTORIA SMITH participated in a meeting of the CT Pomological Society Meeting, held at the Lockwood Farm, with a presentation on current season apple scab and disease conditions (July 6), attended the summer meeting of the CT Nursery and Landscape Association, held at the Westbrook Hunt and Riding Club (July 13), was interviewed by Gil Simmons of Channel 8 regarding the gypsy moth outbreak. (July 15), participated in the Nursery and Landscape Research Tour, held at the Windsor Valley Lab, with a demonstration on nursery inspection for Ramorum blight and processing of samples for detection of Ramorum blight (July 19).

DR. KIRBY STAFFORD, III participated in a meeting of Experiment Station Directors in Peabody, MA. (July 11-12); was interviewed about tick control recommendations from the Ridgefield Deer Committee by Susan Tuz, Danbury News Times (July 13); and was interviewed about gypsy moth infestation in southeastern Connecticut by Ralph Hohman, Record Journal (Meriden) (July 14).

DR. KIMBERLY A. STONER participated in a meeting of the Board of Directors of CT NOFA, Durham, CT. (July 17).

PLANT SCIENCE DAY, August 3, 2005
BUTTERFLY, MOTH, and BIRD sightings
Reported by JEFF FENGLER
Lockwood Farm Bird & Butterfly Garden

Butterflies

1. Eastern Tiger Swallowtail
2. Black Swallowtail
3. Tawny Edge Skipper
4. Cabbage White
5. Pearl Crescent
6. American Lady
7. Horace's Duskywing*
8. Silver-spotted Skipper
9. Dun Skipper
10. Hobomok Skipper*

11. Peck's Skipper
 12. Clouded Sulphur
 13. Common Sootywing (including larva)
 14. Spicebush Swallowtail
 15. Monarch
 16. Orange Sulphur
 17. Common Ringlet
 18. Northern Broken Dash
 19. Summer Azure
- *First time record 2005 in Garden*

Moths

16. Bumblebee Clearwing
17. Hummingbird Clearwing

Birds

1. Barn Swallow
2. Red tailed Hawk
3. Rock Dove
4. Northern Mockingbird
5. Grey Catbird
6. Common Grackle

7. European Starling
8. American Crow
9. Red-winged Blackbird
10. Turkey Vulture
11. Song Sparrow
12. Mourning Dove
13. Ruby-throated Hummingbird
14. American Robin
15. American Goldfinch
16. House Sparrow

Forestry and Horticulture

DR. JEFFREY WARD participated in the Connecticut Tree Protective Association annual meeting in Farmington (July 21); hosted a visit by Tatsuhiro Ohkubo of Utsunomiya University, Japan to discuss forest regeneration research and tour station facilities (July 26).

DR. MARTIN GENT participated in the Multistate NE1017 "Developing and Integrating Components for Commercial Greenhouse Production Systems" regional research committee meeting in Wooster OH (July 13-14); discussed "Support of Horticultural Science by USDA Competitive Programs" at a Stakeholder Workshop sponsored by American Society for Horticultural Science (July 17); and presented a poster on "Effect of shading on yield and composition of fruit and leaves of greenhouse tomato" at the American Society for Horticultural Science meeting in Las Vegas, NV (July 18-21).

DR. ABIGAIL MAYNARD spoke on "Update of Japanese and Beach Plum Trials" at a meeting of the Connecticut Pomological Society at Lockwood Farm (July 6).

DR. WILLIAM NAIL spoke on "Growing Grapes in Connecticut" at the Pomological Society Meeting at Lockwood Farm (July 6); met with Sioux Mackey and Mark Darren at Harkness State Park to discuss care of old, historic grapevines during greenhouse reconstruction (July 8); attended the annual meeting of the American Society of Enology and Viticulture- Eastern Section in St. Louis, MO (July 13-16); and visited Bob Herald to advise on remediation of stunted grapevines in Guilford (July 18).

SCOTT WILLIAMS visited Highstead Arboretum in Redding, CT for deer damage inspection and deer management consultation (July 7); attended the Connecticut Nursery and Landscape Association annual meeting at Clinton Nurseries, Westbrook, CT (July 13); and presented a career talk and interpretive nature hike to high school students at Common Ground High School, New Haven, CT (July 14).

Plant Pathology and Ecology

DR. SANDRA L. ANAGNOSTAKIS was visited by writer Douglas Buege who was collecting information for a book on chestnut research (July 6-8); and met with Dr. Thomas Mione to collect samples of chestnuts from Lockwood Farm for his classes at Central Connecticut State College (July 8).

DR. SHARON M. DOUGLAS spoke about "Two peach canker diseases to be looking for in 2005" at the twilight meeting of the Connecticut Pomological Society held at Lockwood Farm (July 6); gave a talk entitled "Understanding plant diseases" at the North Stonington Grange in North Stonington (July 15); gave a talk on current Christmas tree diseases at the twilight meeting of the Connecticut Christmas Tree Growers Association at the Valley Laboratory in Windsor (July 19); and organized the CAES booth at the summer meeting of the Connecticut Tree Protective Association, discussed tree diseases, and conducted a tree disease quiz and contest in Farmington (July 21).

MS. MARY K. INMAN gave a talk on "Gardening in containers" at Partnerships Center for Adult Daycare in Hamden (July 20).

DR. ROBERT E. MARRA gave a talk entitled “Ramorum Blight (aka Sudden Oak Death): Are Connecticut’s forests and landscapes at risk?” at the summer meeting of the Connecticut Tree Protective Association in Farmington (July 21).

Soil and Water

DR. THEODORE ANDREADIS met with Congressional Representative Rosa DeLauro to discuss the Station’s surveillance and research programs on mosquitoes and West Nile virus (July 7); was interviewed about mosquitoes and West Nile virus by Jessica Schneider, WFSB TV3, Hartford (July 19); was interviewed about the Station’s research and surveillance programs on mosquitoes, West Nile virus, and Eastern equine encephalitis in CT by Steve Kotchko, Connecticut Public Radio (July 20); was interviewed about the first detection of West Nile virus in mosquitoes in CT in 2005 by Fran Schneido, WCBS Radio NY (July 21); was interviewed about the first detection of West Nile virus in mosquitoes in CT in 2005 by Nancy Cohen CT Public Radio; Erin Cox, WTNH TV8, New Haven; Dan Kane WFSB TV3, Hartford; Jeff Holtz-NY Times; and WKOMO AM 1000 Seattle, Washington (July 22); and was interviewed about the Station’s research studies on the blood feeding preferences of mosquito vectors of West Nile virus by Donna Tommelleo, AP Hartford (July 25).

DR. JOSEPH PIGNATELLO attended a NATO-OTAN Advanced Research Workshop on *Viable Methods of Soil and Water Pollution Monitoring, Protection and Remediation* held in Krakow, Poland and presented a keynote presentation entitled: *Some fundamental issues in sorption related to physical and biological remediation of soils* (June 25-July 2).

DR. SEOKJOON KWON presented a paper entitled: *Adsorptive Properties of Environmental Black Carbon: Pseudo Pore Blockage by Model Lipid Components of Natural Organic Matter,*” at the Northeast Regional Meeting of the American Chemical Society, held at Sacred Heart University, Bridgeport, CT (July 14).

DR. JASON WHITE participated in press conference held by Rep. Rosa DeLauro highlighting USDA funding that she sponsored for CAES research programs (July 7); and met with Laura Stout, a graduate student at the University of Massachusetts at Amherst regarding phytoremediation of pollutants and potential collaborative research (July 7).

Valley Laboratory

DR. CAROLE CHEAH attended and gave a presentation on her research on biological control of hemlock woolly adelgid at the HWA Steering Committee meeting at the Hilton Homewood Suites, Windsor Locks (July 7); gave presentations on hemlock woolly adelgid to 2 groups of middle and high school students from New York City attending summer forest ecology camps on environmental science and leadership training run by the Christodora organization at Great Mountain Forest, Norfolk (July 11 and July 26); gave a joint presentation with Dr. Allen Cohen, Insect Diet and Rearing Institute, Tucson, AZ, on the successes and challenges of developing artificial diets for HWA predators at a workshop (July 26) at the Southern Forest Insects Work Conference at Austin, TX; and together with James Preste, met with Curtis Rand, forester for Mount Riga Preserve, Salisbury, CT (July 28).

ROSE HISKES gave a talk on invasive plants to 6th year certificate science teachers at Southern Connecticut State University (July 6); gave an update on the Discovery and Education Gardens at the Nursery and Landscape Research Tour in Windsor (July 19); participated in a CNLA Education Committee meeting in Cromwell (July 27); and answered arborists questions at the CTPA summer meeting in Farmington (July 21).

DR. JAMES A. LAMONDIA spoke about nematode diseases and diagnostics for tree fruit at the Connecticut Pomological Society Twilight meeting held at Lockwood Farm (July 6); and spoke about the

effect of lesion nematode management by rotation or green manure crops on potato early dying during the Society of Nematologists meeting in Ft. Lauderdale FL (July 11).

DR. TODD L. MERVOSH, along with ROSE HISKES, spoke about invasive plants and current management research to a group of ISIS Fellows (high school science teachers) at Southern Conn. State Univ. in New Haven (July 6); presented talks on “Managing horsetail (*Equisetum*) in landscapes,” “Weed management in container-grown plants,” and “Managing Japanese knotweed and phragmites” and an informational display of weeds at the Nursery & Landscape Research Tour at the Valley Lab (July 19); and spoke about “Weed management in Christmas tree plantations” and presented the weed display at the Christmas Tree Twilight Meeting at the Valley Lab (July 19).

Journal Articles Approved July 2005

Li, De-Wei and Chin Yang. Taxonomic history and current status of *Stachybotrys chartarum* and related species. *Indoor Air*.

Gui-hua Zhao, De-Wei Li, Yuzhu Wu, and Bin Guan. Poplar disease caused by *Ceratocystis sensu lato*. *Forest Pests and Diseases*.

Magnarelli, Louis A., K. C. Stafford, III, J. W. IJdo, and E. Fikrig. Antibodies to whole-cell or recombinant antigens of *Borrelia burgdorferi*, *Anaplasma phagocytophilum*, and *Babesia microti* in white-footed mice. *J. of Wildlife Diseases*.

Mattina, MaryJane Incorvia, et al. Movement of bioavailable contaminants. *Environmental Science & Technology*.

Maynard, Abigail A. Low rates of compost increase yields of carrots and beets. *BioCycle*

Molaei, Goudarz, T. G. Andreadis, P. M. Armstrong, J. F. Anderson, and C. R. Vossbrinck. Evaluation of the role of *Culex* mosquitoes as enzootic and epidemic vectors of West Nile virus in the northeastern United States. *Emerging Infectious Disease*

Pignatello, Joseph J. Fundamental issues in sorption related to physical and biological remediation of soils. In: *Viable methods of Soil and Water Pollution, Monitoring, Protection, and Remediation: Development and Use*; NATO-OTAN Advanced Research Workshop, Krakow, Poland, under review.

Shepard, John J., T. G. Andreadis, and C. R. Vossbrinck. Molecular phylogeny and evolutionary relationships among mosquitoes (Diptera: Culicidae) from the northeastern United States.

Ward, Jeffrey S., P. H. Brose, and T. M. Schuler. Influence of prescribed burning on regeneration in unmanaged hardwood stands. *Fire in Eastern Oak Forests: Delivering Science to Land Managers*.

Kelsey, A. Colino, M. Koberle, and Jason C. White. Growth conditions impact 2,2-bis(p-chlorophenyl)-1,1-dichloroethylene (p,p'-DDE) accumulation by *Cucurbita pepo*. *International Journal of Phytoremediation*.

Williams, Scott C. and Jeffrey S. Ward. Exotic seed dispersal by white-tailed deer in Southern Connecticut, USA. *Natural Areas journal*.

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