

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

Take a look at the updated version of our **CAES Journal Listing...**

<http://eww.insidecaes.state.ct.us/LibraryInformation/JournalListing.htm>

Photos of the Month...



The Station's winter squash and gourd harvest at Lockwood Farm. Photo taken by Dr. Francis Ferrandino



Dr. Victoria Smith and Peter Trenchard surveying for forest defoliators.



Ira Kettle and Rose Bonito at our Big E booth in the Connecticut Building on October 2nd and 3rd.



Appreciation Reception at CBIA for the teachers and their corporate or institution sponsors to conclude the National Science Foundation summer externship program administered by CBIA. Dr. Neil McHale and Dr. Kirby Stafford hosted two teachers who worked at CAES over the summer, Drs. JoAnne Russell and Jonathan Morris of Manchester Community College.

Departmental News

Administration

DR. JOHN F. ANDERSON met with New Haven County Farm Bureau and Congresswoman Rosa DeLauro at Bishop's Orchard in Guilford (September 2); NE1015 as Administrator Advisor in State College, PA (September 9-11); spoke to the Spring Glen Garden Club on the bird and butterfly garden at Lockwood Cottage (September 13); hosted and participated in a meeting of the Board of the Experiment Station Associates (September 15); gave a seminar on West Nile virus at the University of Illinois, Urbana (September 19-21); participated in a meeting on West Nile Virus at Yale University (September 27); participated in a meeting of the Peabody Fellows Biodiversity and Human Health Program at Peabody Museum at Yale University (September 28); and gave a talk on West Nile virus to a group of retired teachers in Branford (September 29).

Analytical Chemistry

DR. DAVID STIWELL presented a talk on Lead and Other Heavy Metals in New Haven Community Garden Soils, at the Workshop on Community Gardening sponsored by the New Haven Land Trust (September 11).

DR. BRIAN EITZER gave a presentation on the analysis of persistent organic pollutants by mass spectrometry to a visiting group of students from the "Biogeochemistry and Pollution" class at Yale University (September 24).

MaryJane Incorvia Mattina and staff in Analytical Chemistry--Drs. Eitzer, Krol, and Stilwell--and Bill Iannucci-Berger, spoke with students and Dr. Gaboury Benoit from his class at Yale School of Forestry and Environmental Studies "Biogeochemistry and Pollution." The staff discussed the functions the Department carries out, the research in progress, and the instrumentation to conduct our work (September 24).

Biochemistry and Genetics

Entomology

Forestry and Horticulture

DR. KIRBY STAFFORD interviewed by Bill Heald about turkeys and ticks for Northeast Magazine (September 13); spoke at the Target Lyme Disease Advisory Board meeting in Westport about research during the community-based Lyme project (September 17); attended the Society for Vector Ecology annual meeting in Boston, MA and spoke on integrated tick management for the prevention of Lyme disease (September 27-29); with Dr. Neil McHale, attended a reception for teachers and their sponsors for the CBIA administered NSF funded summer externship program. The two teachers who worked at CAES were Drs. Jonathan Morris and JoAnne Russell of Manchester Community College (September 30).

DR. JEFFREY WARD presided at the Connecticut Tree Protective Association, Board of Directors meeting in New Haven, CT (September 7); administered practical and oral examination to arborist candidates for the Connecticut Tree Protection Examining Board (September 8); spoke on "Tree Biology" for the Arboriculture 101 class sponsored by The Connecticut Tree Protective Association, Jones Auditorium (September 8); spoke on "History of the Connecticut Forest" at the Avery Heights Retirement Community in Hartford (September 16); advised Grove Street Cemetery on tree management (September 21).

DR. MARTIN GENT students from Chas Mavrelion's Agriculture classes at Sound School helped to take down plants from a greenhouse tomato experiment at Lockwood Farm (September 21); presented a talk on "Extending Vegetable Production" in the Discovery tent at the Durham Fair (September 25).

DR. WILLIAM NAIL visited Jamie Jones at the Jones Family Farm, and evaluated the new planting of Pinot gris for powdery mildew, monitored existing vineyard for fruit ripening, rot, and bird damage (September 1); met with Charles Stephenson, grower and consultant from Simsbury, at the Valley Laboratory to discuss current and ongoing projects (September 2); visited Priam Vineyards to inspect for fruit development, bird damage, and fungal diseases (September 8); visited Jones Family Farm, discussed harvest decisions based on unripe fruit vs. rot with Jamie Jones (September 14); visited Steve and David Vollweiler at Sharpe Hill Vineyard in Pomfret to examine alternative trellising systems for St. Croix grapes; and Nick Smith at Stonington Vineyards in Stonington to examine the Chardonnay and Cabernet franc vineyards (September 16).

DR. UMA RAMAKRISHNAN gave a talk to the South Central Regional Water Authority on the deer program at Lake Gaillard (September 9).

Lockwood Farm

Plant Pathology and Ecology

DR. SANDRA L. ANAGNOSTAKIS spoke about her chestnut research and gave a tour of the chestnut plots at Lockwood Farm to visiting plant pathologists from China (September 7); presented Experiment

Station chestnut research at the Multistate Research Project NE-1015, "Biological improvement, habitat restoration, and horticultural development of chestnut by management of populations, pathogens, and pests," in State College, PA (September 9-11).

DR. DONALD E. AYLOR spoke about "The role of spore dispersal in the epidemiology of apple scab and potato late blight" with visiting plant pathologists from China (September 7); talked about his research on "Modeling aerial dispersal of corn pollen" at a Workshop on Confinement of Genetically Engineered Crops held by USDA/APHIS Biotechnology Regulatory Services in Riverdale, MD (September 13-15).

DR. SHARON M. DOUGLAS was interviewed about the health of Connecticut ornamental and food crops and about what gardeners should or can do now by Abe Katz of the New Haven Register (September 2); discussed the Plant Disease Information Office with visiting plant pathologists from China (September 7); participated and assisted the Connecticut Tree Protective Examining Board (CTPX) in oral examinations of candidates for arborist licenses at the Station (September 8); participated in a meeting focused on developing a Connecticut emergency management plan for pests of regulatory concern at the Station (September 14); presented a talk and conducted a hands-on workshop on "Methods for propagating plants" for members of the North Stonington Garden Club held at the Otto Kerr Greenhouse in North Stonington (September 15).

DR. WADE H. ELMER spoke about *Fusarium* diseases with visiting plant pathologists from China (September 7); visited with Eric Chamberlin of APHIS to review his permit for importing soil from abroad (September 9); attended a Connecticut Greenhouse Growers Association "Evening at the Greenhouse" at Casertano's Greenhouse in Cheshire (September 15).

DR. FRANCIS J. FERRANDINO spoke about powdery mildew on cucurbits and tomatoes at Lockwood Farm with visiting plant pathologists from China (September 7).

DR. ROBERT E. MARRA spoke about Sudden Oak Death and other *Phytophthora* diseases of trees with visiting plant pathologists from China (September 7).

Soil and Water

DR. THEODORE ANDREADIS interviewed about West Nile virus and the Mosquito Trapping and Testing Program by Steve Kotchko-CT Public radio; Kent Pierce WTNH TV 8 New Haven (September 1); interviewed the detection of West Nile virus in Fairfield by Erin Lynch, Fairfield Citizen (September 13); interviewed about the decline in West Nile virus activity in Connecticut by Marc Sims, CT Public Radio (September 14); interviewed about West Nile virus and the Mosquito Trapping and Testing Program by Jason Fell, Pictorial Gazette (September 15); interviewed about the decline in West Nile virus activity in the northeastern US by Bob Miller-Danbury News Times (September 20); interviewed the detection of West Nile virus in Westport by Lisa Chamoff Stamford Advocate (September 21); interviewed about the current status of West Nile virus in the northeastern US by Kathleen Marple-WALK radio, NY (September 22); presented an invited talk entitled "West Nile Virus Surveillance and Response in Connecticut" at the 36th Annual Meeting of the Society of Vector Ecology in Boston, MA (September 26-29).

ROBERT CAPERS met with residents living on Pinewood Lake in Trumbull to talk about concerns with aquatic plants in their lake (September 1); planted native white water lilies in a Wallingford condominium pond from which they had removed an invasive water plant earlier in the summer. Residents of the condominium complex had bought the invasive plants at a local nursery in an effort to beautify the pond and were upset that the plants were ecologically dangerous. They were happy to get the new, native species (September 3).

ROSLYN SELSKY met with residents living on Pinewood Lake in Trumbull to talk about concerns with aquatic plants in their lake (September 1); planted native white water lilies in a Wallingford condominium pond from which they had removed an invasive water plant earlier in the summer. Residents of the condominium complex had bought the invasive plants at a local nursery in an effort to beautify the pond

and were upset that the plants were ecologically dangerous. They were happy to get the new, native species (September 3).

MICHAEL THOMAS presented a seminar on “The butterflies of Connecticut” followed by a tour of the butterfly and bird garden to the Woodbridge Garden Club held at Lockwood Farm (September 15).

CHALES VOSSBRINCK visited Dr. Michael Pikal at the University of Connecticut and conducted micro-calorimetry experiments to measure the metabolism of the backswimmer *Buenoa margaritacea* without oxygen to determine if they are capable of anaerobic respiration and to what degree (September 28).

Valley Laboratory

TIM ABBEY designed the display “Native Ornamental Plants” that was present in the New England Center building at the Big E, West Springfield, (September 17- October 3).

DR. CAROLE CHEAH gave a tour and discussed the setting up of a hemlock woolly adelgid internship program with Joe Rodrigues, from the Harris Agriscience Center in Bloomfield, CT, Eddie Thompson and Richard Chandler, seniors from Weaver High School, Hartford, (September 1).

DR. RICHARD COWLES was interviewed by Christmas Tree News magazine on management of elongate hemlock scale (September 29).

ROSE HISKES participated in a symposium planning committee meeting for the Connecticut Invasive Plant Working Group in Windsor (September 2-22), was trained in identification of invasive grasses in Mystic (September 16); gave lectures on weeds and insect pests of ornamentals at Naugatuck Valley Community College in Waterbury (September 1, 8, 15, 22, and 29).

DR. DEWEI LI hosted a delegation of three Chinese plant pathologists from Shandong Forestry Academy on a tour of the Valley Lab and Plant Pathology Department at CAES in New Haven (September 7); and was selected to serve on the Technical Advisory Panel (TAP) of the American Industrial Hygiene Association (AIHA) in September.

DR. JAMES A. LAMONDIA discussed plant pathology and nematology research and toured Valley Laboratory field plots with visiting Chinese scientists (September 7); examined candidates for the Connecticut arborist license and participated in the quarterly meeting of the Connecticut Tree Protection Examining Board in New Haven (September 8); spoke to the New Haven Land Trust Community Gardeners about 'The role of soil in plant disease' in New Haven (September 11); spoke about Research and Services at the Valley Laboratory and conducted a tour of the building and field plots for the Consulting Committee of the Federated Garden Clubs (September 16); was interviewed about shade and broadleaf tobacco culture and labor requirements by Ray Lindner of the National Center for Farm Worker Health (September 23).

THOMAS RATHIER attended a meeting of faculty of the Arboriculture 101 course presented by the Connecticut Tree Protective Association in New Haven (August 17); spoke about diagnosing plant problems to a members of the Federated Garden Club as they toured the Valley Lab (September 16); taught the Tree – Soil Relationship portion of Arboriculture 101 in Jones Auditorium (September 22); and presented a talk on Container Gardening at the Durham Fair (September 25).

Journal Articles Approved September 2004

Andreadis, Theodore G. Evolutionary strategies and adaptations for survival between mosquito-parasitic microsporidia and their intermediate copepod hosts: a comparative examination of *Amblyospora connecticus* and *Hyalinocysta chapmani*. *Folia Parasitologica*.

Aylor, Donald E. Inoculum from near and far – Evaluating the risks. Extended Abstract, 9th International Workshop on Plant Disease Epidemiology, 11-15 April 2005, Landerneau, France.

Elmer, Wade H., Charles Vossbrinck, and D. M. Geiser. Fusarium wilt of Hiemalis begonia caused by *Fusarium foetens*. Phytopathology (Abstract).

Ferrandino, Francis J. When the mean is meaningless: The role of episodic and/or aggregated behavior in epidemiology. Extended Abstract, 9th International Workshop on Plant Disease Epidemiology, 11-15 April 2005, Landerneau, France.

Ferrandino, Francis J. Clumps, quadrats, and correlation for binary epidemics: Size really does matter. Abstract, NED-APS Meeting, State College, PA, 5-8 October 2004.

LaMondia, James A. Diagnosis and management of plant-parasitic nematodes in herbaceous perennials. Greenhouse Product News.

Marra, Robert E., P. Cortesi, M. Bissegger, and M. G. Milgroom. Mixed mating in natural populations of the chestnut blight pathogen, *Cryphonectria parasitica*. Abstract, NED-APS Meeting, State College, PA, 5-8 October 2004.

Stilwell, David E., Craig L. Musante, and Brij L. Sawhney. Effect of coatings on CCA leaching from wood in a soil environment. Edited Book – Environmental impacts of preservative treated wood.

J. W. Kelsey, Jason C. White. Multispecies interactions impact the accumulation of weathered pp'DDE from soil. Environmental Pollution.

The Connecticut Agricultural Experiment Station (CAES) prohibits discrimination on the basis of race, color, ancestry, national origin, sex, religious creed, age, political beliefs, sexual orientation, criminal conviction record, genetic information, learning disability, present or past history of mental disorder, mental retardation or physical disability including but not limited to blindness, or marital or family status. To file a complaint of discrimination, write Director, The Connecticut Agricultural Experiment Station, P.O. Box 1106, New Haven, CT 06504, or call (203) 974-8440. CAES is an equal opportunity provider and employer. Persons with disabilities who require alternate means of communication of program information should contact the Chief of Services at (203) 974-8442 (voice); (203) 974-8502 (FAX); or Michael.Last@po.state.ct.us.
