



Gwynne Conservation Area 2009

There is Plenty to See and Do!

*Kathy Smith, OSU Extension Program Director Forestry
School of Environment & Natural Resources*

The 2009 Farm Science Review is September 22, 23 & 24, at The Ohio State University's Molly Caren Agricultural Center located 2 miles north of London, OH. Within the 2100 acre Center is a 67 acre parcel of land designated as the Gwynne Conservation Area. During the Review, the Gwynne comes alive with demonstrations, displays and educational programming geared towards our diverse landowner population.

If you have been to Farm Science Review in the past, but never left main grounds you may ask.....'Where is the Gwynne?' To get to the Gwynne, catch a shuttle at the west end of Friday Avenue and the first stop will deposit you at the entrance to the Gwynne Conservation Area.

Perhaps, your next question is 'Why should I go to the Gwynne?' During the three days of the Review, educators from Ohio State University Extension, Purdue Cooperative Extension Service, ODNR Divisions of Forestry, Soil and Water and Wildlife plus a variety of other entities present programs on a diverse range of topics.

Want to know more about wildlife on your property? Presentations on bats, wild turkey, salamanders, muskrats and geese (to name a few) will be offered over the course of this three day event. Want to know what the latest is on emerald ash borer? OSU Extension's Amy Stone will be on hand to tell us the

latest along with trying to answer your questions on 'what do I do with that ash tree in my yard?' We will also be offering a couple of different tree planting talks. One, offered by Lenny Farlee of Purdue Cooperative Extension will cover conservation tree planting and how you can insure a successful planting experience. Amy Stone will cover the other tree planting option - planting larger, container style trees. In keeping with the tree theme, OSU Extension's Jim Chatfield will be doing an hour long session on 'The Trees of Ohio'. See what interesting tidbits of information Jim will share on our large woody plants.

Invasive species are a hot topic for many woodland owners of late. The Gwynne is no different than the rest of you we have our share of invasive species headaches. To address some of those issues, Steve McGinnis, ODNR, Forestry, Service Forester will try to cover what some of those invasive species are and what you can do about them. Also, a vendor at the Gwynne, will be demonstrating a piece of equipment called JAWZ. There will be daily demonstrations of this piece of equipment removing some of our own invasive species. Come see JAWZ in action!

As always there will be displays, and plenty of experts on hand to help answer any of those burning questions you may have. Check out the schedule there should be something for everyone! For more information on how to get to the Gwynne and Farm Science Review check out <http://fsr.osu.edu> or <http://gwynne.osu.edu> there is also information such as videos and articles on the varies activities going on both at the Gwynne and on the main area of Farm Science Review at <http://fsrosu.ning.com/>. We hope to see you there!



Shuttles take visitors into the main area of the Gwynne during Farm Science Review

2009 Gwynne Program Schedule for Farm Science Review

	Time	Aquatic Amphitheatre	Wildlife Amphitheatre	Woodland Amphitheatre	Cabin	Time
Tuesday- Sept 22	10:30	Muskrat Management Forget Control! <i>John Rockenbaugh-Union Co. SWCD</i>	Bats: Fact or Fiction <i>Marne Titchenell OSU Ext.</i>	Hobby Maple Syrup Production <i>Gary Graham OSU Ext.</i>		10:30
	11	Healthy Wetlands Don't Bite! <i>John Rockenbaugh-Union Co. SWCD</i>			How to Be a Good Stream Steward <i>Bonnell, Iles, McCall-OSU Ext.</i>	11
	11:30	Managing Your Ponds Fish Community <i>Mike Greenlee-ODNR, Wildlife</i>	Using a Tree Measuring Stick <i>Dave Apsley-OSU Ext.</i>	Invasive Plant Species in Ohio's Woodlands <i>Steve McGinnis-ODNR, Forestry</i>		11:30
	12				Wildlife Sounds of the Night <i>Rob Chapman Purdue Ext.</i>	12
	12:30	Coping With Canada Geese: What Works, What's Legal! <i>Marne Titchenell & Bill Lynch-OSU Ext.</i>	Vernal Pools Your Woodlands Liquid Assets <i>John Rockenbaugh-Union Co. SWCD</i>	JAWZ- Foxworthy Outdoors		12:30
	1	Controlling Aquatic Plants & Algae with Herbicides <i>Bill Lynch-OSU Ext.</i>		Tree Planting 101 <i>Amy Stone-OSU Ext.</i>	Enhancing Wildlife Food (Mast) Production in Your Woodlands <i>Dave Apsley-OSU Ext.</i>	1
	1:30		Native Grass & Wildflower ID <i>Rob Chapman Purdue Ext.</i>			1:30
	2			The Eastern Wild Turkey and It's Management in the Midwest <i>Randy Showalter-Wild Turkey Federation</i>		2
2:30					2:30	
	Time	Aquatic Amphitheatre	Wildlife Amphitheatre	Woodland Amphitheatre	Cabin	Time
Wednesday- Sept 23	10:30	Muskrat Management Forget Control! <i>John Rockenbaugh-Union Co. SWCD</i>	The Eastern Wild Turkey and It's Management in the Midwest <i>Randy Showalter-Wild Turkey Federation</i>	The Trees of Ohio <i>Jim Chatfield OSU Ext.</i>	Let's Look at Some Lichens <i>Dave Goerig OSU Ext.</i>	10:30
	11	Healthy Wetlands Don't Bite! <i>John Rockenbaugh-Union Co. SWCD</i>			How to Be a Good Stream Steward <i>Bonnell, Iles, McCall-OSU Ext.</i>	11
	11:30	Managing Your Ponds Fish Community <i>Mike Greenlee-ODNR, Wildlife</i>	Invasive Plant Species in Ohio's Woodlands <i>Steve McGinnis-ODNR, Forestry</i>	Tips for Successful Conservation Tree Plantings <i>Lenny Farlee-Purdue Ext.</i>		11:30
	12				Wildlife Sounds of the Night <i>Rob Chapman Purdue Ext.</i>	12
	12:30	Coping With Canada Geese: What Works, What's Legal! <i>Marne Titchenell & Bill Lynch-OSU Ext.</i>	Vernal Pools Your Woodlands Liquid Assets <i>John Rockenbaugh-Union Co. SWCD</i>	JAWZ- Foxworthy Outdoors		12:30
	1	Controlling Aquatic Plants & Algae with Herbicides <i>Bill Lynch-OSU Ext.</i>		Seeing Green An Emerald Ash Borer Update <i>Amy Stone-OSU Ext.</i>	Things to Consider Before Selling Your Timber <i>Dave Apsley-OSU Ext.</i>	1
	1:30		Native Grass & Wildflower ID <i>Rob Chapman Purdue Ext.</i>		Bob Mulligan-ODNR, Soil & Water	1:30
	Time	Aquatic Amphitheatre	Wildlife Amphitheatre	Woodland Amphitheatre	Cabin	Time
Thursday- Sept 24	10:30	Coping With Canada Geese: What Works, What's Legal! <i>Marne Titchenell & Bill Lynch-OSU Ext.</i>		The Secrets of Tree ID <i>Kathy Smith-OSU Ext.</i>		10:30
	11		Wildlife Conflicts... Fence it or Share It <i>John Rockenbaugh-Union Co. SWCD</i>		How to Be a Good Stream Steward <i>Bonnell, Iles, McCall-OSU Ext.</i>	11
	11:30		Bluebird Bios <i>Marne Titchenell OSU Ext.</i>	Tips for Successful Conservation Tree Plantings <i>Lenny Farlee-Purdue Ext.</i>		11:30
	12	Controlling Aquatic Plants & Algae with Herbicides <i>Bill Lynch-OSU Ext.</i>			Things to Consider Before Selling Your Timber <i>Dave Apsley-OSU Ext.</i>	12
	12:30		Native Warm Season Grasses-Tallgrass Truth Revealed! <i>John Rockenbaugh-Union Co. SWCD</i>	JAWZ- Foxworthy Outdoors	Bob Mulligan-ODNR, Soil & Water	12:30
	1			Seeing Green An Emerald Ash Borer Update <i>Amy Stone-OSU Ext.</i>	Enhancing Wildlife Food (Mast) Production in Your Woodlands <i>Dave Apsley-OSU Ext.</i>	1
	1:30			Plant Phenology-A Calendar Any Plant Person Just has to Have! <i>Amy Stone-OSU Ext.</i>		1:30

Critter Corner



The Black Swallowtail Butterfly

Marne Titchenell, OSU Extension Wildlife Program Specialist, School of Environment & Natural Resources

If you've never set out on a warm sunny day equipped with an insect net and field guide in search of butterflies then you are missing out. There are roughly 524 species of butterflies in the eastern United States, and 137 in Ohio alone, so you are in for quite a diverse catching experience. One species you are almost guaranteed to see is the black swallowtail, a common species in Ohio that can be found in all 88 counties. This large butterfly, measuring 3.4 inches on average from wing tip to wing tip, is recognized by its

Figure 1. Male black swallowtail. (Courtesy Gerald L. Lenhard, bugwood.org)



primarily black coloring and contrasting yellow band on the upper wings. If you spot a butterfly that fits this description you have probably spotted the male black swallowtail. The females also have an overall black wing, but with a row of small yellow dots rather than a band, and a splash of navy

Figure 2. Black swallowtail caterpillar displaying osmeteria (below). (Courtesy Whitney Cranshaw, Colorado State University, bugwood.org)



blue on their hindwings.

The black swallow tail can be seen starting in April and throughout the summer well into October. The caterpillars of this species are green with black bands around the middle of each segment with longitudinal rows of yellow dots over the black bands. When disturbed, this caterpillar will shoot forth orange protuberances from its head, called osmeteria, which will emit a rather foul odor. The preferred food of the black swallowtail caterpillars is plant species in the parsley family, such as Queen Anne's lace, wild parsnip, and garden herbs like fennel and dill. This makes black swallowtails common visitors in home gardens, but they can also be found in a wide variety of open landscapes ranging from weedy roadsides, woodland openings, and old fields.

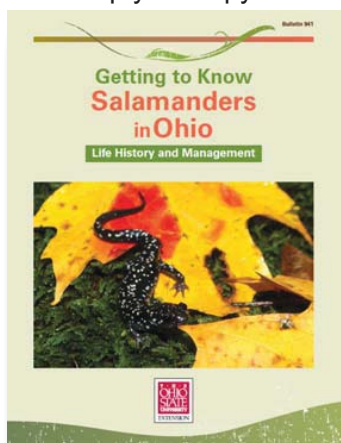
Going out in search of butterflies can be quite an experience. The best times to head out are on calm, clear days with temperatures at 60 degrees or higher. Normally butterflies will begin their daily activity around nine in the morning and continue until about four in the afternoon. Be sure to take a field guide, insect net, magnifying glass, and notebook to record your findings. Remember butterflies are delicate creatures, so handle them carefully and briefly, and remember to have fun!

New Publications From Natural Resources Extension!

In response to the need for information on effective control methods for some of Ohio's forest invasives, a series of fact sheets are in development. The first one published covers *Ailanthus* (Tree of Heaven) and gives details on how to identify it and what some of the landowner control options are. Look for future publications on bush honeysuckle, autumn olive, garlic mustard and more! To find this online access it at the Woodland Stewards website <http://woodlandstewards.osu.edu>. Click on the publications tab and forestry. All of these items will be posted under the header of 'Invasive Species'.



NEW Bulletin coming soon! Pick up your copy of 'Getting to Know Ohio's Salamanders: Life History and Management' to learn all about the lives of these silent and secretive amphibians. Topics include salamander ecology, common salamanders of Ohio, how to determine if you have salamander habitat and how to manage it, and much more! The bulletin is #941 and is available for purchase for \$5.00 from your county OSU Extension offices, or online at <http://estore.osu-extension.org/> under natural resources. The pdf of the bulletin will also be posted on the Woodland Stewards website <http://woodlandstewards.osu.edu>. Click on the publications tab and wildlife.



Scientists Collaborate on Wildlife Wind Power Impacts

Many of us have been following America's rapidly growing wind energy industry on the news and in the papers. If you have been following closely, you have probably heard about the impacts wind turbines can have on migrating wildlife, specifically birds and bats. At several wind facilities around the country wind turbines have caused enough bird and bat mortalities that scientists have taken notice.

Billions of birds migrate annually, and unfortunately, their choice wind currents are the same that will house the most efficient wind turbines. There are several species of bats that migrate as well, the red bat, hoary bat, and silver-haired bat, all of which have been impacted by wind turbines. Obviously, further information on the placement, design, and operation of wind turbines will contribute greatly to decreasing these mortalities. Recently, 30 top scientists from universities, government, industry, and nongovernment



organizations met in Racine, Wisconsin to discuss research priorities to help provide safe passage for birds and bats. Using cutting-edge technologies, such as weather surveillance radar and thermal imaging, this coalition of scientists will conduct further research on the influence of weather and topography on wildlife-turbine interactions, accurate estimates of mortality at existing wind turbines, and establishing standardized methods for pre- and post-construction studies of bird and bat behavior at wind facilities.

This indeed seems to be a step in the right direction towards making informed, science-based decisions about the future of wind energy projects and how best to minimize impacts on migrating wildlife while still providing a much-needed alternative energy. For more information visit The American Wind Wildlife Institute's website at www.awwi.org and the National Wind Coordinating Collaborative website at www.nationalwind.org.

Signature Tree: Red (Scarlet) Buckeye *Aesculus pavia*

A red buckeye? Whoever heard of such a thing? Most of us are familiar with Ohio buckeye (*Aesculus glabra*) and Yellow buckeye (*Aesculus octandra*) but the red buckeye is not on most of our radar screens. Red buckeye may either be multi-stemmed or single stemmed and considered to be a small tree at 15-20 ft. in height. The leaves are palmately compound with five leaflets (occasionally seven) and the flowers are red spikes approximately 4-10 inches in height that hummingbirds love. The fruit is a smooth, thin-walled capsule that may contain anywhere from one to three poisonous seeds. This is still considered an understory tree, meaning it would prefer to grow in a shaded or semi-shaded location, though it will develop a fuller crown and more flowers the more sunlight it has access to. The red buckeye is considered to be a fast grower and will flower at a very young age. It is a great tree for the landscape!

Why call this a 'signature tree'? Red (or scarlet) buckeyes are one of the Signature Trees offered for sale by Ohio State University Extension with part of the proceeds going to support tree research efforts. OSU Extension has a Signature Program called Why Trees Matter that consists of a team of Extension specialists and educators. Their



mission is to develop science-based educational resources to document & demonstrate the social, economic and environmental benefits of urban & community forests. Want to learn more about Why Trees Matter? Check out the website at <http://treesmatter.osu.edu>.

If you are interested in purchasing a red buckeye contact either Ken Cochran at Secrest Arboretum in Wooster at 330-263-3761 or cochran.7@osu.edu or Jim Chatfield at 330-466-0270 or chatfield.1@cfaes.osu.edu. The trees are for sale for \$30 each. The trees are basically a \$15 tree with the additional \$15 going towards tree research. Want to pick up the tree? We will have trees for sale at the Gwynne Conservation Area and at the Utzinger Gardens during Farm Science Review next month!

Randy Heiligmann Retires

For those of you who have attended our programs over the years you have become well acquainted with Randy Heiligmann, OSU Extension State Forestry Specialist. As of June 30th Randy has become one of those individuals who can claim the title of 'retiree' and go where he wants when he wants! While everyone here will greatly miss him, we all wish him the best in his retirement endeavors! Thanks for all your hard work and setting the bar high for the rest of us!



You can now follow us on Twitter at http://twitter.com/OSUE_OWS for up to date information on classes, workshops and other events.

The Ohio Forestry Association, 2009 PAUL BUNYAN SHOW

The Ohio Forestry Association (OFA) will host the 53rd showing of the Paul Bunyan Show (PBS) from October 2-4, 2009 at the Guernsey County Fairgrounds in Old Washington. The fairgrounds are

located several miles east of Cambridge on Interstate 70 in Guernsey County.

Dubbed the Original American Forestry Show, it is considered the largest forestry exposition east of the Mississippi River. The PBS is a trade show to promote the wood industry equipment and technology. Title sponsors will again be Husqvarna and The Ohio News Network (ONN). Each year there are hundreds of dealers and exhibitors with a an amazing array of wood industry equipment and technology, such as large mulching and chipping machines, loaders and skidders, chainsaws, sawmills and almost anything you can think of for the harvesting and processing of trees and wood.

The show has long held lumberjack and equipment competitions that allow those in the industry to display their equipment skills and knowledge. The Paul Bunyan Show hosts the Ohio State Lumberjack Competition where the best professional loggers in the state compete in various chainsaw and axe



throwing competitions. Sunday special events include the International Lumberjack competitions.

New this year is the National Game of Logging Competitions in the student, landowner, and professional categories. These competitions will feature regional winners from around the country and

demonstrate the proper and safe use of chainsaws through tree felling competitions.

There are a variety of educational programs available for participants from the professional to the forest landowner to someone just interested in forestry.

Promoting wood industry equipment is the mainstay of the show and many exhibitors and dealers hope that their efforts result in robust sales. This year, PBS organizers have lifted restrictions on chainsaw sales and will now allow and encourage attendees to purchase chainsaws and related parts at the show. This may be a good time to purchase a chainsaw if you're looking for one.

The show is a great way to enjoy a beautiful fall day, whether you are a serious professional looking for new equipment and business opportunities or someone interested in forestry who wants to see what the world of the wood industry offers today. Everyone is welcome, so make plans for the first weekend in October to enjoy the 53rd Paul Bunyan Show! For

more information contact the Ohio Forestry Association at 614-497-9580 or online at <http://www.ohioforest.org>.

Upcoming Events

September

22-24	Farm Science Review	Molly Caren-Agricultural Center London, OH
-------	---------------------	---

October

2-4	Paul Bunyan Show	Guernsey County Fairgrounds
5	Name That Tree	Quail Hollow State Park
16	Forest Food for Wildlife	Ashtabula County

November

13	Winter Tree ID	Geauga County
----	----------------	---------------

Check Us Out On The Web!

Look for newsletter articles, links to fact sheets and other publications by browsing our site. Registration for upcoming Woodland Stewards classes may also be done electronically. Go to:
<http://woodlandstewards.osu.edu>
Kathy L. Smith
Program Director - Forestry
Ohio Woodland Stewards Program Coordinator

Contact Us!

For program information contact Mary Slyby at 614-688-3421 by email:
ohiowoods@osu.edu
or by mail at:
Ohio Woodland Stewards Program
School of Environment & Natural Resources
210 Kottman Hall
2021 Coffey Road
Columbus, OH 43210

OSU Extension embraces human diversity and is committed to ensuring that all educational programs conducted by Ohio State University Extension are available to clientele on a nondiscriminatory basis without regard to race, color, age, gender identity or expression, disability, religion, sexual orientation, national origin, or veteran status. Keith L. Smith, Associate Vice President for Agricultural Administration and Director, OSU Extension
TDD No. 800-589-8292 (Ohio only) or 614-292-1868

Non-profit Org.
U.S. Postage
PAID
Columbus, OH
Permit # 711



Ohio Woodland Stewards Program
The Ohio State University
School of Environment & Natural Resources
210 Kottman Hall
2021 Coffey Road
Columbus, OH 43210