



# LANDIS ARBORETUM

## THE NEWSLETTER

Esperance, New York

SUMMER 2005

VOLUME 24, NO. 3

# FALL PLANT SALE

SATURDAY, SEPTEMBER 10 AND SUNDAY, SEPTEMBER 11, 10AM TO 4PM

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... the perennial list will be extensive and will include numerous items not usually found in the fall, including peonies and Asiatic lilies, iris, hosta, and many more. . .

This year's Fall Plant Sale at the Arboretum will be unique. Jeff Schworm, a trustee and volunteer at Landis, is liquidating a portion of inventory from his nursery at Liddledale Farm in Duaneburg. Included will be conifers from his collection, both large and small, a wide variety of ornamental shrubs, numerous shade and flowering tree selections, as well as a great selection of perennials.

The Nursery at Liddledale has been known for its eclectic collection of plant materials for landscape and environmental use, and on September 10th and 11th, much of that material will be available right here at our Fall Plant Sale. This event will be a wonderful opportunity to purchase nursery-grown plants at wholesale or nearly wholesale prices. We are very fortunate that Jeff has chosen our sale as a venue for liquidation.

Some of the featured items will be dwarf Alberta spruce of many shapes and sizes, including a specimen *Picea glauca* 'Sander's Blue' (white spruce cultivar), threadleaf arborvitae, sunkist arborvitae, many *Chamaecyparis* (false cypress) selections featuring numerous dwarf and miniatures as well as golden crippsi cypress. Various other top-grafted ornamentals will be available featuring, *Picea abies* 'Little Gem' (Norway spruce cultivar) on standard, and a

wholesale closeout of weeping pussywillow and Hakuro Nishiki standards (small variegated willow). Viburnums, lilacs, hydrangeas, potentillas, ninebarks, and shrub-like willows of many varieties will be plentiful and inexpensive. Other trees

available will be the Briotti horsechestnut, Corinthian linden, skyline locust, royal red maple, and *Acer freemani* 'Autumn Blaze' (Freeman maple cultivar), as well as several accolade elms. The perennial list will be extensive and will include numerous items not usually found in the fall, including peonies and Asiatic lilies, iris, hosta, and many more.

Additionally, there are several very nice items left over from our own inventory from the Spring Plant Sale. Pieris, China hollies, ivory halo dogwood, and, amazingly, even a couple of horse chestnuts will be available. These plants will also sell at very competitive prices.

We need your support and hope you don't have to admit you missed this sale.

**For a list of events and information about the plant sale, see pages 4 and 5.**

### About the Sale

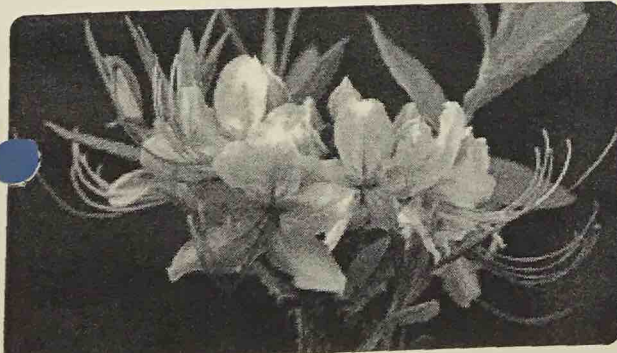
#### Plant Donations

If you are donating plants for the sale, make sure they are "sale ready" and clearly labeled; we will do the pricing. If you have plants you wish to donate, please call the office to make arrangements to drop them off.

#### Volunteers

It takes many hands to orchestrate the plant sale. Well in excess of 1,500 hours of volunteer time are needed. An event of this size takes major effort by many members on a variety of activities: some heavy, some smaller, some in the week preceding or following, and many on the days of the sale. If you can spare four hours or a day (or days), please contact our volunteer coordinator, Gloria VanDuyne at (518) 875-6935. With so many needs and activities, one can surely be found for you.

Thank you.



Photo, left: *Rhododendron periclymenoides*, Pinxter Thomas G. Barnes @ USDA-NRCS PLANTS Database Native pinxters will be available at the Fall Plant Sale.

THE LANDIS ARBORETUM NEWSLETTER is published quarterly for its members. The Arboretum's mission is to foster the appreciation of trees and other plants and their importance in our environment.

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**CONTRIBUTORS TO THIS ISSUE**  
Fred Breglia, Sonja Javarone, Jeff Schworm, Gloria Van Duyne .

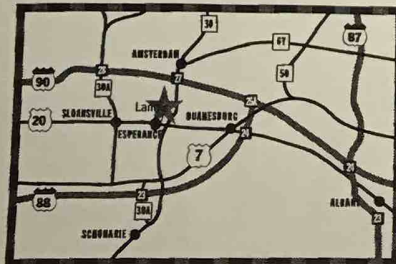
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Susan Carver, *Education Director*  
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Randy Proctor, *Grounds and Maintenance*

Address correspondence to:  
Newsletter Editor, Landis Arboretum  
P.O. Box 186, Esperance, NY 12066.  
phone 518-875-6935  
fax 518-875-6394  
email landis@midtel.net  
http://www.LandisArboretum.org

The Arboretum is located one and one-half miles north of Route 20 in Esperance. Follow the signs from the village to Lape Road. The Arboretum is one-quarter mile straight ahead. Visit our website for more information and directions.



# FROM THE GARDEN

Gloria Van Duyne, *Executive Director*

**T**he Landis Arboretum's mission is to foster appreciation of trees and other plants and their importance in our environment. Trees and other plants are essential to our lives. They produce the oxygen needed to sustain most life on earth. Directly and indirectly, they provide the food we consume. They are manufactured into clothing and shelter. In less tangible ways, trees and other plants feed us emotionally. Gardening is one of our most popular hobbies. Studies show that people are more relaxed if they have access to greenspace.

Considering the importance of our green resources and the Arboretum's mission, we were offered an opportunity that we felt we could not pass up.

I am pleased to let you know that the Landis Arboretum recently acquired 338 acres of land in Schoharie and Montgomery Counties from member Bill Fairchild. The acquisition was a combination of 115 acres being purchased by the Arboretum and 223 acres being donated by Mr Fairchild. You may remember in 2000, Mr Fairchild donated a 66.4-acre parcel in Montgomery County to us. The Landis Arboretum has grown from 97 acres to our current 548 acres in just under 5 years.

This exciting new addition to our property will allow us to expand our trail system, and eventually we may be able to connect our trails with those in the Charleston State Forest. The property will also be used for education programs such as GPS and woodlot management. The new property includes an extraordinary 20-acre secondary old growth forest with hemlock, sugar maple, American beech, red oak, and black birch. The American beech are completely healthy, which is unusual for large mature beech, due to a disease in beech known as the beech bark complex.

The northernmost parcel contains a large number (possibly hundreds) of old vehicle tires

and some assorted debris. We were aware of these tires and trash prior to acquisition of the property with the intention of cleaning it up with volunteers and special cleanup days.

On Saturday, September 17, 9am to 4pm, we will initiate cleanup of our new property. All are welcome. The tires and trash will be disposed of at MOSA. In order to make this event successful, the following are sought:

- individuals to volunteer as members of the clean up "crew"
- use of a 4-wheel drive trucks to drive along the abandoned road to the site of the debris
- one or more large trucks to transfer the debris to MOSA
- donations of food and drinks for the "crew"
- volunteers to prepare lunch for the "crew"
- donations to help cover the cost of disposal, i.e.: each tire will cost \$1.75 (total cleanup costs are expected to reach approximately \$1,200).

Even though it seems that our area has an abundance of greenspace, it will not be this way forever. Development is quickly moving toward us from the east, and property prices are quickly on the rise. This acquisition serves the twofold purpose of providing a buffer for the Arboretum land and preserving disappearing greenspace.

The Arboretum Staff and Board of Trustees thank you for your volunteer support on the 17th of September.

For more information about volunteering and offers of donations, please contact our office at 518-875-6935.



Gloria Van Duyne (l) and Arboretum Trustee Bonnie Keller display the check donated to the Arboretum by NBT Bank. Bonnie is vice president and branch manager of NBT Bank of Duanesburg.

# WISH LIST

## Equipment Wish List

We are looking for the following items (or estimated dollar amount to purchase items).

- Bird feeders and seed
- 20 pairs of snowshoes
- Projector for PowerPoint presentations
- Newish laptop computer
- Picnic tables and benches (\$250)
- DR brush mower (\$2500)
- Hardback rakes, shovels, loppers, and mulch fork (\$200)
- Trowels and other small gardening tools
- Troy Built hand cart

And always, the large tractor—

- A John Deere 790 (or machine of equal quality) 4wd, 30hp, with backhoe and loader (\$20,000)
- Snow blower

## Project Wish List

We are looking for volunteers familiar with the following tasks (or equivalent dollar amount to complete these projects).

- Plumber for odds and ends (\$300)
- Mechanic to work on our pickup trucks
- Stone walls around the greenhouse and walls around perennial garden need rebuilding. (\$800)
- Quilters for next year's raffle quilt

## Donations

- \$1000 (ea.) for printing new and updated brochures

## Education Wish List

- Snowshoes
- Animal skins in good condition
- Wildlife guides
- Insect collections
- Local rocks and fossils
- Tree identification books
- Leaf identification books
- White enamel pans
- Tall rubber boots
- Magnifying glasses
- Walkie-talkies
- Environmental science tools



Photo of Fr

# COLLECTIONS NEWS

Fred Breglia, Head of Horticulture and Operations

This summer was extremely busy. We didn't do any major renovations or planting, so more time was available to spend pruning, labeling, and mulching the formal collections. A great deal of time was spent working on our older mature specimens, including climbing and removing dead wood from most of the trees planted by Fred Lape. Taking the dead wood out of these plants helps to decrease fungus and insect attacks and reduces stress. Special thanks to the pruning swat team for helping us make a difference in the health and appearance of our many wonderful specimens.

The Van Loveland perennial garden looks better than ever this year, thanks to Erin McKenna (our hardworking gardener) and all of the garden volunteers. Special thanks are due to all who have helped by pulling weeds, edging, mulching, planting and dividing plants. Another exciting update is that very soon all of the plants in our garden will be identified with photo-metal labels so that the public will no longer need to wonder about the name of a plant.

The labeling of the many native trees and shrubs along the Woodland Trail is a work in progress. In fact, by the end of the year all of these new labels should be installed. This project is funded by a grant from LEAF (Iroquois Pipeline).

Ed Miller and the Native Plant Committee have been equally busy this year caring for all the plants that have been installed over the past few years. The Willow Pond Trail is the official site for the Educational Native Plant Trail showing side-by-side comparison of New York State's native plants.

## Volunteer Wish List

### We are seeking

- **A Landis member** or volunteer who is also an employee of Niagara Mohawk to assist in the submission of a grant application.
- **Volunteer** to update and maintain our website.
- **Volunteers** to help in the office and the Acorn Gift Shop. Depending on the volunteer's interest, tasks could include data entry, processing membership renewals, bulk mailings, filing, dusting and restocking shop and waiting

Continued work has been done on this trail and all of our trails to make your walking and hiking easier than ever.

Fall is my favorite time here at Landis Arboretum. With the vast diversity of trees and shrubs from all over the world in our formal collections and the vast diversity of ecosystems in our native woodlands, the landscape literally lights up with color. From bright reds and yellows to oranges and purples, trees and shrubs get to show off their most artistic color schemes.

Fall is a time of change. First the chlorophyll, which is what gives plants their green color, stops being produced. At the same time photosynthesis stops and trees begin to go into a period of dormancy, allowing the remaining natural pigment to become visible in the leaves. This change is what provides us with Nature's colorful fireworks display.

Fall is also a great time to plant trees. In fact, fall is one of the best times to install new plants. Even though trees stop growing leaves, their roots continue to grow until the ground actually freezes.

Installing new plants in the fall gives them time to grow and establish new roots in their sites. Another advantage of fall planting is that new plants require less watering. In the spring when these plants begin to grow, they are already established in the new locations and don't undergo much of a transplant shock. Be sure to come to our Fall Plant Sale this year and take advantage of our huge selection on hardy and unusual varieties.

As always, I leave you with a quotation:

“Woodman spare that tree!  
Touch not a single bough!  
In youth it sheltered me,  
And I'll protect it now.”

—George Perkins Morris, Poet 1802–1864

Thanks to my brother, Mike Breglia, for showing this poem to me.

Shop for flowers on our website 24/7.

[www.plantscapesflorists.com](http://www.plantscapesflorists.com)

teleflora

## SCHEDULE OF PLANT SALE EVENTS

- **Saturday Bake Sale** with unusual and extremely tasty home baked cookies, cakes, pies and breads. Proceeds go toward Landis's perennial gardens.
- **Sunday Bake Sale** will be hosted by Boy Scout Troop 501.
- **Book Sale** (undercover in the Barn) with hundreds of used books of all topics including horticulture, nature & science, cooking, philosophy, self-help, sports, mystery, science fiction, and more.
- **The Acorn Gift Shop.** Some new and popular items include quality pruning and garden tools, polo and sweatshirts with our logo, animal tracks and scat do-rags, animal puppets, nature games, and books.
- **Our Fifth Annual Raffle Quilt** will be on display. Tickets for this year's raffle quilt are now on sale. This year, only 300 tickets have been printed at \$10 each. We plan to sell all 300 and raise \$3,000, which will be the most we've ever raised from a quilt raffle. The quilt was donated by Gloria Van Duyne. It is a scrap quilt of black and bright colors. It measures 64" x 80" and is 100% cotton. The drawing will take place in December 2005.
- **Lunch.** Food and beverages will be for sale.

## LOGISTICAL INFORMATION

TO HELP YOU AND OUR VOLUNTEERS:

- **Our plant experts** will be available all weekend to answer your questions, and to provide suggestions and advice on plant selection, site requirements, and proper planting and care techniques. We cannot take orders or set plants aside prior to the sale.
- **Restrooms and picnic tables** are available for your convenience.
- **Cars** should park in our upper parking area next to the Meeting House when lower parking lot is full.
- **Limited handicapped** parking and drop-off space is available. Please inform the parking attendants of your needs.
- **Starting times** and dates for the sale are firm—10am—4pm. Purchases may not be made prior to the sale.
- **Dogs** are not permitted at the Plant Sale. (Dogs should never be left in cars on warm days because temperatures rise quickly inside vehicles.)
- **Please have your sales slip** available to be hole-punched as you leave. Have your membership card handy for quicker checkout.
- **All purchased plants** must be removed by 4pm, Sunday. Landis does not make deliveries and is not responsible for items left beyond 4pm Sunday.

## ACORN GIFT SHOP

by Barbara Hunt

The office and the shop are generally open weekdays 9am to 4pm, Saturday noon to 5pm, and Sunday 1 to 5 pm.

## VOLUNTEER WANTED


The Acorn Gift Shop is seeking someone with merchandising experience. Contact the Arboretum or phone Barbara Hunt at 762-8390 or July Lott at 377-0262 if you are available.

### • ACORN GIFT SHOP •

The Shop, located in the Arboretum's farmhouse, is the perfect place to pick up a gift for your favorite gardener or anyone who likes nature. Some highlights include scat and track guide bandanas, Schoharie County Moo York t-shirts, science games, specialty soaps, scarves and jewelry. All proceeds from the gift shop help the Arboretum.

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# Pinxter

## *Rhododendron periclymenoides*

by Sonja Javarone

As the old saying goes, "The grass is not always greener on the other side of the fence." One might wonder why numbers of

hybrid azaleas exceeding comprehension are available, while our own native pinxter, a spectacular and hardy plant, is for the most part ignored in the commercial market in our area. Is the exotic always the best choice? Are we blind to our own? Several of our Board members have located a source in the Catskills and are thrilled to be able to offer plants at our Fall Plant Sale on September 10 and 11.

*Rhododendron periclymenoides*, previously known as *Rhododendron nudiflora* or *Azalea nudiflora*, has even more common names; election-pink aroused my curiosity, but I will stay with pinxter. Pinxter comes from the Dutch words, pinxster blomachee, which relates to the time of blooming, usually on Pentecost, 50 days after Easter. Fragrant flowers appear before the leaves with five very long stamens and an extended pistil easily pollinated by large butterflies and hummingbirds. The flowers may vary from near white to bright pink with a deep rose center. The elliptical green leaves of this deciduous species are soon to follow.

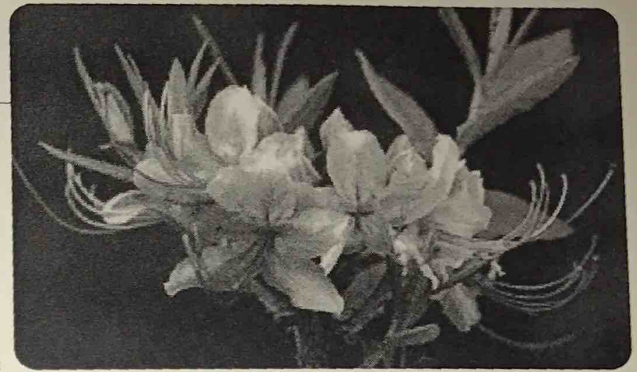
Pinxter is a native of the eastern United States from southeastern New York to Georgia, mostly in the mountains. Isolated populations are found in southern Indiana, Ohio, and Illinois. The species is an understory shrub in conifer and hardwood forests ecosystems. Humus-rich acidic soil in shade or sun in open woods is the desirable habitat. The largest specimens may reach 12 to 15 feet with multiple stems up to 5 inches in diameter. Used for ornamental purposes, it is usually much smaller and should be planted in naturalistic settings with humus-rich acidic soil. Pinxter reproduces by seed, layering, and horizontal stems rooting at nodes. After fires, the plant will sprout from the root crown.

## THANK YOU

TO OUR CORPORATE MEMBERS  
FOR THEIR GENEROSITY.

American Hotel,  
Doug Plummer & Garth Roberts  
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Glenbrook Farm, Viktoria Serafin

Gardener's Workshop  
Keyserkill Studios, Inc.,  
Tressa Vellozzi  
Plantscapes Country Gardens  
Temper Corp, John Rode  
Young Home Heating Fuels,  
Robert Young



Given time and the right conditions, this azalea can produce a mass of spectacular plants at a time when not much else is blooming.

The Arboretum does not have an established planting of this species at this time, but it will be added to the collection soon. We will be as excited as you will be watching these plants grow and prosper, hopefully with little or no care. What more can you ask for?

### References

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<http://www.hiltonpond.org/ThisWeek020408.htm>  
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Pinxter photo by Thomas G. Barnes USDA-NRCS Plants Database

## Meet the Challenge

Landis member Barbara Hunt is offering a challenge to other members. She will donate \$1,000 in memory of her sister if an equal amount can be raised by members. The \$2,000+ is to be used exclusively to cover the cost of replacing doors and windows in the farmhouse, which houses the Arboretum offices and Acorn Gift Shop. The new doors and windows will reduce drafts and heating bills. To pledge toward this challenge, call Gloria Van Duyne at 518-875-6935 or e-mail her at landised@midtel.net. Reference "challenge" on your check send to Gloria's attention at George Landis Arboretum, PO Box #186, 174 Lape Road, Esperance, NY 12066.

We welcome other challenges to help raise funds for projects and activities that are of special interest to you.

## H E L P !

Dolores, the Arb's ace office manager (landis@midtel.net) would really, really love it if everyone would update their email addresses!

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# CATERPILLARS

This year, we have seen increasing numbers of caterpillars attacking plants throughout the Arboretum as well as around the state. I'm sure many of you have had to deal with some of these pests in your own yard this year. I have received many calls regarding caterpillars defoliating trees. Based on the many phone conversations, the majority of people seem to think that the Eastern tent caterpillar is causing the damage, which may not be the case. The Eastern tent caterpillar primarily feeds on trees of apple (*Malus*) and cherry and plum (*Prunus*). If larger trees such as oaks and maples are being defoliated by large numbers of caterpillars, the pest is either the forest tent caterpillar or gypsy moth. The following article describes each pest and offers a practical management strategy.



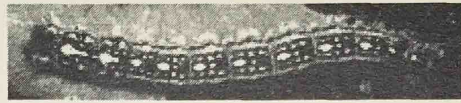
## Eastern Tent Caterpillars

Eastern tent caterpillars typically begin feeding as the trees' leaves begin to unfold in early spring and continue to feed long after full leaf emergence. Adult caterpillars are black with a white stripe running down their backs. Their bodies have blue dots that run in between yellow longitudinal lines. At maturity, the larvae are 1½"–2" long. The larvae gather at branch intersections and spin web-like nests. The caterpillars leave the nest, feed on foliage, and then return to the nests. Caterpillar eggs are found in masses that encircle twigs of host plants. These masses are shiny black and approximately ½" long. (Not to be confused with tent caterpillars, web-like nest forming caterpillars in the fall are the fall webworms often seen on black cherry.)

**Host Plants:** Primarily found on species of *Malus* and *Prunus* but sometimes other deciduous trees. Common hosts are ornamental crabapples and cherries.

**Management Strategies:** During the winter and prior to bud break, susceptible hosts can be monitored for the presence of egg masses, which can be removed and destroyed. Newly forming webs in the spring can also be pruned out or physically removed by hand when the larvae are in the web. You should not use fire to burn out these webs. Fire causes more injury to the host than this pest ever could. *Bacillus thuringiensis* (B.t.) works well, especially on the younger larvae. Insecticidal soaps are effective on the younger caterpillars and should be applied only when the caterpillars are out of the tent and on the stems

and foliage in order to achieve proper coverage. Many chemical insecticides are specifically labeled for this pest.



## Forest Tent Caterpillars

Forest tent caterpillars, although similar in appearance to Eastern tent caterpillars in the larval stage, do not make a noticeable web. Forest tent caterpillars have white "keyhole" or "footprint" markings down the length of their backs and not the white stripe of Eastern tent caterpillars. The larvae tend to climb higher in the host trees and are more dispersed throughout the host. In large populations they can cause serious defoliation to the host plant. Usually, their numbers are moderate to low, and most of their feeding injury goes unnoticed, but this year we have had very large numbers of this pest, causing significant damage to host plants. The larvae can sometimes be seen clustered in a large group on the trunk of the host.

**Host Plants:** Many different deciduous hosts including: oak (*Quercus*), maple (*Acer*), poplars (*Populus*), birch (*Betula*), ash (*Fraxinus*), elm (*Ulmus*), and others.

**Management Strategies:** Insecticidal soaps can be used on young larvae, but proper coverage may be difficult on larger trees. B.t. should be applied when the larvae are still young. A natural control is to pull off the egg masses and destroy them, which can put a serious dent in the caterpillar population.



## Gypsy Moth

The gypsy moth over-winters as a tan, fuzzy egg cluster of 500 or more eggs. Eggs typically hatch during the first week in May, but variations in climate and spring weather can either accelerate or delay egg hatching. Once hatched, the tiny, hairy caterpillars migrate upwards to the treetops, and then each one spins down on a long silken thread. They hang in the air waiting for a strong wind to break the thread and carry them to a new location. This process of dispersal is known as "ballooning" and is somewhat common in caterpillar species in which the adult females do not fly. It is the only silk that this species produces. Gypsy moth caterpillars do not make silken webs or tents.

Once the caterpillars settle on a new host, they begin feeding on the foliage. Small to moderate-sized populations will often feed at night and come down out of the trees during daylight hours to avoid predators and parasites. Caterpillars in high populations usually stay in the trees around the clock due to intense competition for foliage.

The caterpillar stage lasts until approximately the third week in June, whereupon they pupate; adults start to appear by late June/early July. Neither the male nor female moths feed.

Gypsy moth caterpillars range in size from ¼ of an inch to more than 3 inches by the time they pupate. The caterpillars have hairy bodies; along the length of their backs they have five pairs of blue dots followed by six pairs of red dots.

**Management Strategies:** Once the caterpillars have settled to feed, they can be successfully treated with B.t., a naturally occurring bacterium that is specific to caterpillars that become moths or butterflies (*Lepidoptera*). It is relatively safe for beneficial organisms and other insects. However, once the caterpillars are older B.t. is much less effective. To establish whether B.t. will work or not, inspect the caterpillars on the host plant: younger gypsy moth caterpillars have a head capsule that is all black, while the older ones have obvious yellow markings on the head, and these larvae are less susceptible to B.t. In the latter case, other compounds, such as a chemical pesticide, may be necessary. Even though numerous chemical pesticides are available, it is best to determine problematic populations of this pest early and rely on B.t. A commercial applicator will need to be consulted for larger trees due to the application equipment required. Traps for the adults offer no benefits whatsoever in managing this pest. During wet springs, an entomopathogenic (insect killing) fungus known as *Entomophaga maimaiga*, works extremely well in keeping this pest in low numbers. Dead gypsy moth caterpillars hanging head-down on the trunks of host trees is a good indication that this fungus has been effective. In addition, removing the tan fuzzy egg masses can also be an environmentally friendly control.

## References

- Insects that feed on Trees and Shrubs*, Warren T. Johnson and Howard H. Lyon. (1991)  
Comstock Publishing/Cornell University Press  
*Branching Out* (newsletter), Cornell University  
Department of Plant Pathology.

# WORKSHOP AND SPECIAL EVENT REGISTRATION

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ ZIP \_\_\_\_\_ PHONE \_\_\_\_\_

Workshop/Event	Date	Number of members attending @ \$ = \$ subtotal			Number of nonmembers attending @ \$ = \$ subtotal			\$ Total

Payment Method: Check:  Please make payable to Landis Arboretum Credit Card:  Visa  Mastercard

Card number \_\_\_\_\_ Exp. Date \_\_\_\_\_

Signature \_\_\_\_\_

**Total \$** \_\_\_\_\_

## CALENDAR Upcoming Events

For registration and information call 518-875-6935 or landis@midtel.net; or use the registration form on page 7.

Enclose with payment and mail to: Landis Arboretum, Lape Road, Box 186, Esperance, NY 12066-0186

All events take place at the Arboretum unless noted.

**Family programs** with nature educator George Steele begin at the Arboretum Meeting House. Programs are free and no registration is necessary. Donations are greatly appreciated. Programs are held rain or shine.

**Advance payment and registration** is required for all general classes and workshops, trips and Horticulture Certificate classes. For your convenience, payment can be made via Visa or MasterCard.

**Horticulture Certificate Courses** Landis Arboretum and SUNY Cobleskill offer courses of interest to professionals and the gardener—they can be taken for credit or non-credit. Unless specified, classes are held at Landis. To register, please call 518-255-5528 (Office of Community Outreach, SUNY Cobleskill). You may register by check or credit card. Registration and payment is due two weeks before each course begins.

For a more complete description of course contents, see the "Coming Attractions" insert in the Winter 2005 Newsletter.

Programs that are starred (\*) require advance registration.

### AUGUST

**21 (Sunday) 1-3pm**  
FAMILY PROGRAM  
Exploring Nature for Beginners  
Instructor: Susan Carver

**27 (Saturday) 9am-noon**  
MEMBERS ONLY  
Member Tour

**28 (Sunday) 2pm**  
Soapmaking demonstration by McGillycuddy's—quality handcrafted soapmakers in Schoharie County.

### SEPTEMBER

**3 (Saturday) 2-3:30pm**  
FAMILY PROGRAM  
Fall Flower Walk

**10-11 (Sat.-Sun.) 10am-4pm**  
PLANT SALE  
Fall Plant and Book Sale

**17 (Saturday) 9am to 4pm,**  
WORKFEST  
Tire cleanup of our new property. All are welcome. Lunch will be provided. See *From the Garden* on page 2 for more information and a list of equipment and items needed for the clean-up..

**\*17 (Saturday) 9am-noon**  
MEMBERS ONLY  
Member Plant Swap  
Trade your extra plants and exchange cuttings and seedlings. Some end of season Arboetum plants will be for sale. Registration deadline is Thursday, Sept. 15. \$5.

**18 (Sunday) 2-3:30pm**  
FAMILY PROGRAM  
Meet the Mammals

**30 (Friday) 8pm**  
ALBANY AREA ASTRONOMERS  
Star Party

### OCTOBER

**1 (Saturday) 2-3:30**  
FAMILY PROGRAM  
Building for Birds Workshop

**\*1 & 8 (Saturdays) 9 am-12 pm**  
HORTICULTURE CERTIFICATE COURSE. Level I \$80.  
Landscape Construction  
Instructor: Steve Mallarkey  
Learn the basics of how to make a good landscape great by introducing the elements of hardscape into your green spaces. We will discuss how to build a patio/walk and the many types of retaining walls and freestanding walls. You will become familiar with the many different materials and tools used in the landscape construction industry. We will also install a natural stonewall. At the completion of this course you will have the knowledge to successfully install your very own hardscape project.

**\*5-26 (Weds.) 5:45-7:45pm**  
HORTICULTURE CERTIFICATE COURSE. Level II \$80  
Advanced Arboriculture  
Instructor: Fred Breglia

Learn from Landis staff member and certified arborist, Fred Breglia, the what, where and when of pruning the trees and shrubs that are a major component and investment in your landscaping. Includes introduction to tree climbing.

**16 (Sunday) 1-3pm**  
FAMILY PROGRAM  
Winter's Coming—  
What Should I do?  
Instructor: Susan Carver

**22 (Saturday) 9am-3pm**  
WORKFEST  
Fall Workfest

Help us get the grounds ready for winter. Meet other volunteers. Lunch will be provided.

**28 (Friday) 8pm**  
ALBANY AREA ASTRONOMERS  
Star Party

**28 (Friday) 7-8:30pm**  
FAMILY PROGRAM  
Halloween Owl Prowl

### NOVEMBER

**\*5 (Saturday) 8pm**  
ALBANY AREA ASTRONOMERS  
A Walk Among the Autumn Stars

**25 (Friday) 8pm**  
ALBANY AREA ASTRONOMERS  
Star Party

### DECEMBER

**\*2 (Friday) 11:30am**  
SPECIAL EVENT  
A Winter Celebration  
Gourmet luncheon and silent auction with the SUNY Culinary Arts program at SUNY Cobleskill. Landis is requesting donations for the auction. This is an important fund-raising event and enjoyable occasion. Plan to give and attend. More information will be available in a separate mailing.



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## Join today!

## MEET OUR NEW EDUCATION DIRECTOR

BECOME A MEMBER of the Landis Arboretum. You'll support an important community resource and enjoy all the benefits of membership.

- Quarterly Arboretum newsletter filled with articles about our collections and activities
- Advance notice of classes, tours and many other special events
- Discounts on classes, trips, events and Acorn Gift Shop purchases
- The satisfaction of helping to sustain a valuable natural resource
- Members only events: Pick of the Pots Plant Sale Preview Party, guided tours of the new trails and grounds, and the Plant Swap in fall

MEMBERSHIP IS THE MOST IMPORTANT part of the Arboretum's financial support. Contact the Arboretum at 518-875-6935 or [landis@midtel.net](mailto:landis@midtel.net).



We would like to welcome Susan Carver to our staff. She will be planning and organizing education programs and training volunteers to give programs and tours. She will

also focus on identifying more programs of interest to our members and the public and increasing income through our programs.

Susan is a native of Boston's North Shore. She has a B.S. in Zoology from the University of Massachusetts at Amherst and a M.S. in Environmental Studies from Antioch New England Graduate School. Susan's first career was in whale and fisheries research. She studied right whales off the coast of New Brunswick, Canada and lived in ice camps while counting bowhead whales off northern Alaska. She monitored fish caught by Japanese fishing trawlers in the Bering Sea and Gulf of Alaska to ensure compliance with U.S. fishery catch limits, counted marine mammals in the North Pacific aboard a Japanese research vessel, and counted fin and minke whales during aerial surveys off the southern coast of Greenland.

During an internship in graduate school, she assisted in the assessment of birds, seals and porpoises entangled in fishing gear off the coast of Newfoundland, Canada, to understand the negative effects of fishing gear on non-catch species.

In 1991, after graduate school, she began her second career in environmental education. She first worked in the field she loved, the marine world, as a marine environmental educator and marine naturalist. She then moved inland to teach programs in field and forest areas. When Susan worked for a Girl Scout council, she developed and taught environmental education programs and outdoor skills programs such as fire-starting, archery, canoeing, and using a map and compass.

She moved to Cobleskill in July 2003, where she lives with her partner, Ken Nichols.

Some of Susan's other interests include choral singing, outdoor sports, spinning and knitting, making jams and jellies, and gardening.

The next time you are at the Arboretum, stop in and introduce yourself.