



LANDIS ARBORETUM

THE NEWSLETTER

Esperance, New York

WINTER 2005

VOLUME 24, NO. 1



Photo of Gloria by Fred Breglia;
Photo of Fred by Sonja Jaurone

A Year in Review

By Gloria Van Duyne, Executive Director, and Fred Breglia, Head of Horticulture and Operations

2004 was another productive and challenging year for the Landis Arboretum. One of many highlights is our being recognized as business partner of 2004 in Schoharie County by the Fulton-Montgomery-Schoharie Counties' Workforce Development Board. Our ongoing involvement as a worksite for the summer youth program and participating in the on-the-job training program earned Landis this honor.

WHAT'S Inside

- 2 ... Addition To the Tree and the Native Plants Collections
- 3 ... London Plane Tree
- ... Thank You
- 4 ... Horticulturist's Corner
- ... Wish List
- 5 ... Scout Troop Sponsored by Arboretum
- ... Save Beavers from Trapping
- 6 ... New Members
- ... Thank You
- ... Late Winter/Early Spring Workshops and Special Events
- ... Membership Benefits
- ... Registration Forms
- 8 ... Calendar of Events

Long-Range Planning

After many years of work and many revisions, our Master Plan is complete. This document is used as an ongoing guide to help focus our resources for short-term activities and long-term development and for fundraising. If you would like a copy, just let us know.

Education

Programming went smoothly in 2004 in spite of the wet weather. Funds from the NYS Decentralization Regrant Program administered by the Schoharie Arts Council allowed us to offer art classes. We have some new additions in 2005. Most notable are programs given by a new education volunteer, **Susan Carver**. Welcome, Susan, and thank you for your efforts.

Publications

The publications committee was involved in lots of planning but not much publishing other than newsletters. Funding is sought for all publications in development. The Notable Tree brochure is ready to be updated and reprinted. Once the Tough Trees for Tough Sites Collection is complete, we can produce a brochure that will be a helpful guide and accompaniment to the collection.

Horticulture and Buildings & Grounds

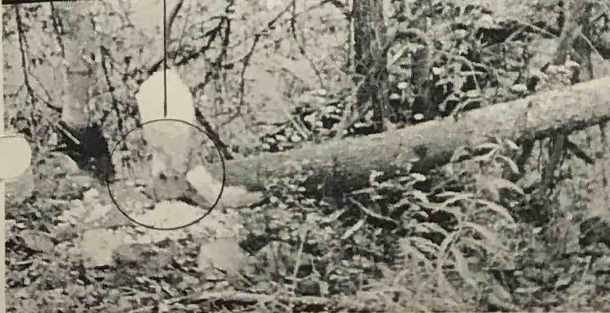
• **Collections:** Thirty new trees were planted in our formal collections and 57 trees, shrubs, and perennials were added to our Native Plant Collection. (See

lists on page 2.) Most of the trees added to formal collections are part of our Tough Trees for Tough Sites Collection. Oaks in this list also satisfy accessions for our Oaks of the Northeast Collection that is registered with the North American Plant

Collections Consortium, part of a worldwide effort to protect plant species.

- Large areas of invasive species were cleared, opening new views of the Adirondack foothills, Mohawk Valley, and Catskill foothills and expanding views of the Schoharie Valley.
- Rerouting some trails, removing stumps and roots, and installing culverts, drainage ditches, and boardwalks improved trails throughout the Arboretum. A new section of the Woodland Trail enables visitors to walk along the edge of a new wetland and see the many species of flora and fauna that live in this habitat. Trailhead signs, directional signage, and plant identification labels were installed throughout the formal collections and natural areas.
- The Perennial Gardens Committee hired gardeners **Sara Pratt** and **Erin McKenna**. The increased care this year made a noticeable difference in the health and appearance of the plants in the Van Loveland perennial garden. This care is the direct result of bake sale donations and purchases.
- The volunteers in the Pruning Swat Team continued making significant improvements to our mature collections. New maintenance machines obtained in 2004 include a Polaris Ranger, new chainsaws, new pruning equipment, and a new 4x4 truck. The plastic on our greenhouse roof was repaired and new lighting was installed in the barn. A new computer was purchased for horticulture-related work. The number of bluebird boxes on the property was increased, and maintenance and monitoring of the boxes was increased with the help of **Trina Bassoff** (SUNY Cobleskill intern). Landis is one of the best places in the state to see bluebirds. We fledged 45 bluebirds, 48 tree swallows, and 60 house wrens in our boxes.

Beaver at Work: See article on page 5.



—continued on page 2.

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.

EDITORIAL BOARD

David Buddle, Sue Gutbezah, Sonja Javarone, and Gloria Van Duyne

COPY EDITORS

David Buddle and Sonja Javarone

DESIGN & PRODUCTION EDITOR

Sue Gutbezah

CONTRIBUTORS TO THIS ISSUE

Trina Bassoff, Fred Breglia, David Browning, Sue Gutbezah, Sonja Javarone, Ed Miller, and Gloria Van Duyne.

PRINTER

Miller Printing and Litho Amsterdam, NY

BOARD OF TRUSTEES

Ken Hotopp, *President*
John Brust, *Vice President*
David Browning, *Treasurer*
Sonja Javarone, *Secretary*
John Fritz, *Member at Large*
Paul Blair, Steve Coonradt, Lawson Harris, Mervyn Prichard, Scott Trees

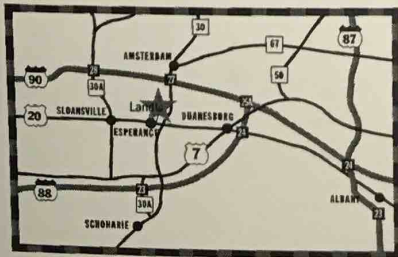
ARBORETUM STAFF

Gloria Van Duyne, *Executive Director*
Dolores Kloczko, *Office Manager*
Fred Breglia, *Head of Horticulture and Operations*
George Steele, *Science Educator*
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.



A Year in Review—continued from page 1.

Finances

As you can see from our review of activities, we've been very busy and accomplished quite a lot in 2004. Many of the building and grounds improvements and plantings in 2004 were made possible in part with help from the following grants:

- Iroquois Gas Transmission System Land Enhancement and Acquisition Fund (LEAF)
- NYS Department of Environmental Conservation Urban and Community Forestry Program
- NYS Environmental Protection Fund
- NYS Zoos, Botanic Gardens and Aquariums

Membership numbers have remained constant at approximately 700 member households. This is an area in which growth is possible and in which we need to focus more of our efforts in 2005.

In spite of many project-specific grants, contributions from individuals and general operating grants were down. Together, the Spring and Fall Plant Sales netted less than we anticipated. As a result, we finished the year with a deficit. In response, a special board meeting was called in October to specifically address fundraising efforts.

Trees Added to Formal Collections

Accolade flowering cherry	Miyabei maple	Siebold viburnum
Callery pear	Northern pin oak	Snow goose higan cherry
Cardinal crabapple	Persian parrotia	Stella cherry
Crimean linden	Prairiefire crabapple	Ussurian pear
Doubloons crabapple	Regent scholartree	Weeping mulberry
Golden rain tree	Saucer magnolia	Whitespire birch
Indian summer crabapple	Sawtooth oak	
Lambert cherry	Sergeant cherry	

Trees, Shrubs, and Perennials Added to Native Plants Collection

American chestnut	Heart leaf willow	Round leaf dogwood
American crab	Hickory shellbark	Running strawberry bush
Balsam poplar	Holly leaf oak (shrub)	Sand cherry
Big-toothed aspen	Hornbeam	Sheep laurel
Black willow	Hydrangea (wild)	Shrubby St. John's-wort
Bladder-nut	Low bush blueberry	Slender willow
Bog bilberry	Maple leaf viburnum	Small prickly rose
Bush honeysuckle	Moonseed	Spicebush
Chokeberry, black	Moose-berry	Swamp azalea
Chokeberry, red	Mountain ash	Swamp white oak
Coyote willow	New Jersey tea	Sweet bay (magnolia)
Creeping serviceberry	Northern mountain ash	Sweet flag (herbaceous)
Deer-berry	Partridge-berry	Sweet gum
Downy arrow-wood	Paw-paw	Tamarack
Downy shadbush	Post oak	Virgin bower
Dwarf chestnut oak	Prairie rose	Wild honeysuckle (native vine)
Eastern wahoo	Pussy willow	Wild rose
Grape woodbine	Red mulberry	Winterberry
Hawthorn, downy	Red stem dogwood	Woodbine

Just for fun...

Go to www.seussville.com/games/lorax/games.html and play the Lorax's

"Save the Trees Game." © Dr. Seuss Enterprises

Tough Urban Tree

London Plane Tree

Platanus x acerifolia

by Sonja Javarone

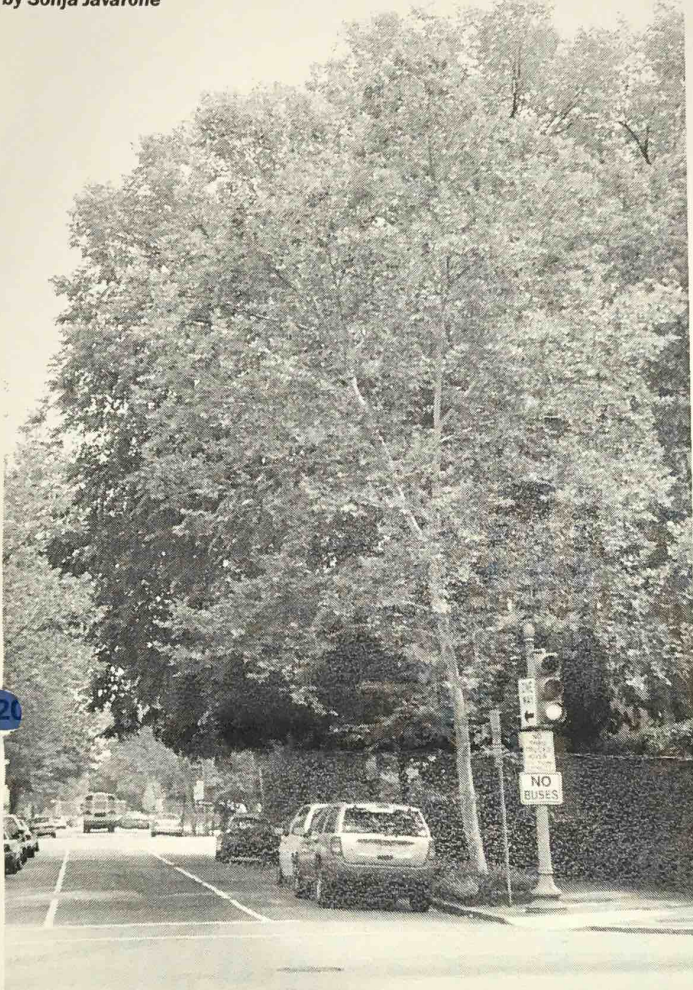


Photo: DDOI, Urban Forestry Administration.

gin of the first hybrid. The Forestry.about.com website gives credit to John Tradescant, gardener to Charles I of England, who planted an American sycamore near an Oriental plane tree in his personal garden from seed acquired in Virginia in 1637. Others have crossed the two species and the crosses produce variable offspring. The most desirable offspring are then cloned, and vegetatively produced. Extensive plantings can be seen in London, Paris, on Ellis and Liberty islands, and in many cities in the United States. It has been called the world's most reliable city tree.

London plane tree (*P. x acerifolia*) is a large tree, 85-foot spread by 70-foot pyramidal form, that becomes more spreading as it ages. It is resistant to the anthracnose that afflicts sycamore (*P. occidentalis*). It definitely is a tough tree for tough sites in that it tolerates poor soil, drought, and pollution. However, its large

size negates using it as a roadside tree. It is excellent for large lawns and parks. It grows in USDA Hardiness Zones 4-5 to 8.

The leaves are alternate and simple, usually three- to five-lobed, with sparingly or coarsely toothed margins, and maple-like. The flowers are inconspicuous with separate male

and female flowers on the same tree. The fruits are one inch in diameter, usually borne in twos and threes, and persistent in winter. The very ornamental bark exfoliates in plates. The timber is called lacewood, plane, buttonwood, or sycamore. It is rarely used for furniture and takes a fine finish and polish. Propagation is by hardwood cuttings taken in the fall or early spring. The percentage of viable seeds produced by London plane trees is low; whereas, most hybrids of other species are totally sterile. Pruning is usually not needed except to shape the tree to its surroundings.

Cultivar

'Bloodgood': One of the first cultivars; large rounded tree to 60 feet; deep green leaves; tolerates harsh environments

'Columbia': U.S. National Arboretum introduction; tough pyramidal tree reaching 50 feet with deeply-lobed dark green leaves; will tolerate heavy pruning

'Liberty' U.S. National Arboretum introduction; pyramidal to 50 feet; vigorous grower; handsome exfoliating bark

'Metzam': New cultivar; pyramidal habit to 70 feet; foliage emerges with a reddish cast

'Pyramidalis': Most widely used cultivar (clone) in London; branches straight and angular; very dark glossy green leaves

'Yarwood': Promising new introduction; pyramidal habit; dark green leaves; early development of attractive exfoliating bark

The Landis Arboretum recently added a London plane tree to our Tough Trees for Tough Sites Collection. Recommended by Nina Bassuk of Cornell University for adverse conditions, these trees will be featured in a brochure to guide Arboretum visitors through the collection. Homeowners and municipalities can see mature specimens of these tough trees before expending resources toward plantings. Our London plane, however, will take a few years to grow.

Platanus is the only genus in the family Hamamelidaceae and the genus has but six or seven species in temperate zones around the world. The London plane tree (*Platanus x acerifolia*) is a hybrid of the American sycamore (*P. occidentalis*) and the Eurasian Oriental plane tree (*P. orientalis*). Debate continues on the ori-

THANK YOU TO THE FOLLOWING INDIVIDUALS AND BUSINESSES FOR CONTRIBUTING TO OUR DECEMBER 3 WINTER LUNCHEON WITH SUNY COBLESKILL'S CULINARY PROGRAM

SUNY Cobleskill Chefs Keith Buerker and Job Miller, Dr. Jonathan Propper, and their landscaping students, SUNY Professor Jack Ingels; Chris Cash and Bob Sutherland from SUNY Cobleskill's Plant Science Department.

The American Hotel, Bella Fleur, Auctioneer Tom Bowes, Fred Breglia, Gail and David Browning, Jodi Krause, Cave Country Greenery, Felthousen's Florist and Greenhouse, The Finishing Touch, Sonja Javarone, Main Street Books, McGillycuddy's Natural Soap,

Lisa Murphy, New York Power Authority, The Nursery at Liddledale Farm, Patti's Flower Shoppe and Greenhouses, Plantscapes Country Gardens, The Shop at Noch Fiernan, Simply Smashing, Speedling Florist, Surroundings Florist, and Nancy Van Deusen.

WISH LIST

Equipment Wish List

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

- Bird feeders and seed
- Projector for PowerPoint presentations
- 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

Office Supplies

- File folders
- 8½ x 11 lined pads
- Hanging files
- Copier paper

Project Wish List

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

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

Donations

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

Education Wish List

- Animal skins in good condition
- Feathers and nests from wild birds
- 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

HORTICULTURIST'S CORNER

by Fred Breglia, Head of Horticulture and Operations

Eastern North American Forest Champions

As many of you already know, one of my passions is locating and documenting giant trees and ancient forests. As a result many state and national champion trees have been located throughout New York State. Although many of these trees are truly giants, they often don't compare to the trees history tells us were cut down for lumber, firewood, or development. Here are some facts about both past and present champion trees. I hope you enjoy them.

Before the colonization of eastern North America by white settlers, broad-leaved deciduous trees made up the finest examples of temperate forests in the world. Similar forests existed in Europe and Asia but failed to reach the same heights. Today only scattered remnants remain.

The tallest deciduous tree in the eastern United States is the tulip tree, *Liriodendron tulipifera*. These trees have been measured to heights exceeding 200 feet with clear boles (trunks) over 100 feet. One of the finest trees stood near Reems Creek, North Carolina, and was 200 feet tall with a breast height diameter of eleven feet.

The second and third tallest deciduous species in the eastern United States are the shumard oak (*Quercus shumardii*) and sweet gum (*Liquidambar styraciflua*). Both species have been officially measured to exceed 200 feet tall.

Several other deciduous trees in the East that come close to these heights are (from tallest to shortest) bur oak (*Quercus macrocarpa*), pecan tree (*Carya illinoensis*, a member of the hickory family),

eastern cottonwood (*Populus deltoids*), and American sycamore (*Platanus occidentalis*).

The American sycamore is undoubtedly the most massive broad-leaved tree of the eastern forests. The Jeromesville tree, in Ohio, was measured to have a breast height diameter of 15.4 feet, a height of 129 feet, and a 105-foot canopy spread. The largest ever measured was a fallen tree near Mount Carmel, Illinois, that measured 21 feet in diameter at the base. Twenty feet higher up the trunk the tree still measured 19.7 feet thick.

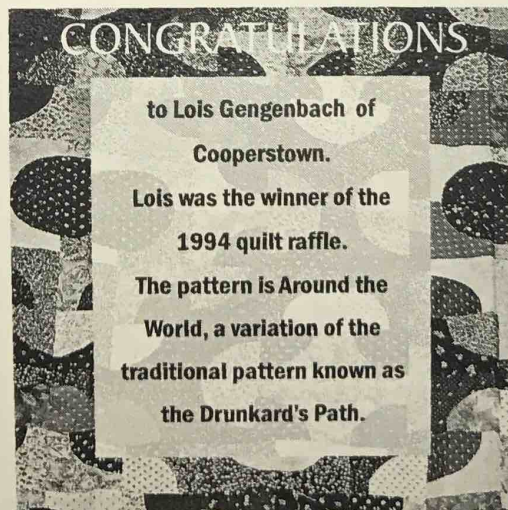
The boles of American elm (*Ulmus americana*) could historically become very large. Trees that reached 15 feet in diameter have been officially measured before the fungus disease, Dutch elm disease, wiped out most of the biggest specimens.

American chestnut (*Castanea dentata*) was a majestic component of the northeastern forests until the early years of this century. It was struck by another introduced fungus disease, chestnut blight, which wiped out virtually all large specimens. Historically these trees have been measured having trunks exceeding 12 feet in diameter. In fact the largest ever measured was a giant in Pennsylvania having a trunk 17 feet in diameter.

Not surprisingly the true king of the eastern forests is a conifer. The eastern white pine (*Pinus strobus*) was the tallest tree in the East. Because of its superb wood, this tree has been extensively logged and the biggest specimens have been cut down. Historically these pines could reach 240 feet in height and exceed 10 feet in base diameter. Now the biggest trees are 5 feet in diameter and close to 200 feet tall.

Another coniferous giant is the bald cypress (*Taxidioum distictium*). The largest recorded bald cypress is still growing in Tennessee, has a trunk diameter of 12.6 feet, and is 122 feet tall. This tree is reported to be 1,300 years old.

The last tree that is a contender for the largest in the East is the live oak *Quercus virginiana*, which boasts the biggest trunk diameters of the eastern oak species. The biggest of them all is a tree in Hahnville, Louisiana, that measures an unbelievable 170 feet canopy spread, 78 feet tall, with a trunk diameter of 11.1 feet at breast height.



New Scout Troop Sponsored by Arboretum

by David Browning

During the fall, the Landis Arboretum was approached by the local Boy Scouts of America Council requesting that the Arboretum become a charter organization and sponsor a troop. Jim Carter from the local council explained that Troop 501, sponsored by the Esperance Elks Club, has split into two troops (Troops 501 and 105) and that Troop 105 needed a sponsor organization. The original troop started with a handful of boys and has grown to nearly thirty boys. The troop had also grown in diversity of the boys' interests and the direction parents wanted the troop to focus on. The troop split into two to best provide the desired focus and programs all are interested in.

As a charter organization, the Arboretum's responsibilities would include:

- Ensure the Scout programs are conducted according to the policies, guidelines, and mission of the Arboretum, as well as those of the Boy Scouts of America.
- Appoint a charter organization representative, who will represent the Arboretum to the Scouting District and will serve as a voting member of the BSA local council.
- Provide final approval of the adult troop leadership.
- Provide facilities for the troop to meet on a regular schedule.

- Encourage troop participation in activities of the council and of the Arboretum.

The Landis Board of Trustees reviewed the request and approved the Arboretum becoming a charter organization for Troop 105.

By chartering the Boy Scouts, the Arboretum fulfills an important part of its Master Plan

The mission of the Landis Arboretum is to foster appreciation of trees and other plants and their importance in our environment. The Boy Scouts' programs have an element of appreciation of nature and its importance to humans. The synergy between their programs and Arboretum activities are in line with our mission.

By chartering the Boy Scouts, the Arboretum fulfills an important part of its Master Plan: to be recognized and respected within our community as a resource for educational programs and cultural offerings. This recognition in the community will increase our visibility and may increase attendance at our educational programs and bring in new members.

The Boy Scouts do various environmental or nature projects. The Arboretum has benefited in the past from Eagle Scout projects,

such as the posting signs along our many trails. With imagination and board initiatives to foster an active troop, participation in Arboretum activities will result in increased visibility of the Arboretum in the community, increased publicity, increased attendance at our fundraisers,

and could result in increased membership.

Troop 105 comes to us with 18 boys led by Scoutmaster Chuck Stephens, who has seventeen years of experience. Four Assistant Scoutmasters support him: Lisa Whitman, Chuck Whitman, Joy Beninati, and Ben Saint-Cyr, all with years of experience. The troop meets every Tuesday evening. During the winter, the troop meets at the Duanesburg Elementary School, and during the warmer months they will meet at the Arboretum's meeting house. The Board of Trustees appointed David Browning to be Landis's charter organization representative.

The Landis Arboretum is happy to welcome Troop 105 to the Arboretum and is looking forward to many successful activities together.

Save Beavers from Trapping by Protecting Trees

by Trina B. Bassoff, Ph.D.

The two predominant reasons that property owners and town employees trap or otherwise remove beavers (*Castor canadensis*) are to prevent road flooding and damage of landscape and desirable trees. Humane devices to thwart the beaver's obstruction of culverts are described on the Beavers: Wetlands and Wildlife website. This article focuses on the methods of protecting trees from beaver activity.

For beavers, any tree species of reasonable diameter and height within approximately 5 feet of water is fair game. Trees farther than 15 feet are less likely to be targeted. Favored food trees include aspen, poplar, and cottonwood, but beavers will fell any species of tree for construction.

The most effective means of preventing beavers from gnawing or felling trees and shrubs is the cylindrical cage enclosure. Construct each cage using 2- by 4-inch welded wire fencing (four feet high). Place the cage six inches from the trunk. To connect the ends together, cut every other horizontal wire and bend into hooks. Use three metal stakes and attach cage to stakes with wire.

A less reliable method is to apply a sand-paint mixture to the tree trunk. Use eight ounces of fine sand (30 mil, 70 mil, or mason sand) to one quart of oil or latex paint. Stir often and paint trunks about four feet high. Avoid painting young trees less than about six feet tall as this may be harmful. I have used

both methods on my property. Trees painted with the paint-sand mixture were taken down by the beavers. To date, I have not found a damaged cage or a gnawed tree that was caged using the cylindrical cage method.

The information for protecting trees is from the Beavers: Wetlands and Wildlife website: www.beaversww.org. Visit this website for further information about protecting trees and additional information concerning the natural history of the beaver.

While preparing and erecting tree guards is time-consuming and relatively expensive, the beaver's value for creating and maintaining wetland habitat is priceless. See photo on page 1.

WELCOME New Members


FOURTH QUARTER, 2004

Annette Ciannella
Domenic Ciannella
Gregory Nowell
Lorraine Rosenberg
Nancy D. Snyder

THANK YOU

TO OUR CORPORATE MEMBERS
FOR THEIR GENEROSITY.

American Hotel,
Doug Plummer & Garth Roberts
Environmental Clearinghouse of
Schenectady
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



(518) 439-8105

Sandra S. Walck
Garden Design

*Installation
& Maintenance
with Ecological
Emphasis*

20 Dykeman Road
Delmar, NY 12054

LATE WINTER, EARLY SPRING WORKSHOPS AND SPECIAL EVENTS

Horticulture Certificate Program

A full course description of the three Spring 2005 courses and registration information are in the enclosed "Coming Attractions" calendar.

An application form is on page 7 of the Newsletter.



The Arboretum will have a booth at the 17th Annual Capital District Garden & Flower Show at Hudson Valley Community College in Troy, NY. Show hours are Friday, March 26, 10 am to 8 pm; Saturday, March 27, 10 am to 8 pm; and Sunday, March 28, 10 am to 5 pm.

The Spring Plant Sale

The Spring Plant Sale will be held on May 14-15 rain or shine! Parking and admission are free. We hope you will attend and max-out your credit cards on plants! Expert advice will be available if you need help with specific planting conditions or need an idea of how to get started. The book and bake sales will be held again this year.

Volunteers Needed

Volunteers will be needed for the week preceding the sale and on sale days as well. Volunteer jobs can include checking plant lists, labeling, pricing, unloading trucks, moving pots, erecting tents, arranging plants for sale, watering plants, setting up sale tables, helping with the book sale and the bake sale, and a whole lot more. The Acorn Shop can also use volunteers, and will be open for early Christmas shopping.

The best part of volunteering is working with and meeting some really great and knowledgeable people—you'll be able to gather all sorts of horticultural tips and information! Any amount of time you can give will be greatly appreciated—you pick the day and time that works best for you. More information will be forthcoming, and if you would like to help, call the Arb at 518-875-6935.

Members Only

The Members Only Pick-of-the-Pots Party will be held the Friday evening before the sale. As a member, you will be able to purchase plants at a discount in advance of the public sale, meet fellow members, and have dinner with old friends. Dinner (food is

delicious and plentiful) is complimentary. If you would like to become a member to take advantage of this program, you will have to join and register for the event by May 11. (We have to have an idea of how many folks to expect for dinner.) The focus will be on "old fashioned" garden shrubs, perennials, and annuals. Look for the *Spring Plant Sale* informational bulletin, to be mailed to members in early April.

The Plant Sales are the major fund-raisers for the Arboretum. If you can help in any way it will be greatly appreciated.

Spring Workfest (Saturday, April 23)

Just a reminder to folks who volunteer every year to help clean up the Arboretum grounds for the growing season.

The workfests are a great way for those who have never volunteered at the Arboretum—it is very informal and there is lots to do, plenty to eat, and you can pick your own hours. Bring gardening gloves and tools if you have them, or just come and meet the nicest people. If weather permits, and you have energy left, explore the grounds and check out all the improvements that have been made. The newly opened vistas are breathtaking.

Family Programs

(See page 8 or the Coming Attractions calendar insert in this Newsletter.)

The Arboretum is offering many family programs this year—some are long-time favorites, others are new. Most of the programs are free, but many require advance registration.

Many of you are familiar with George Steele's popular workshops. On Saturday, March 30, the Spring Migration Hawkwatch and the Hawk Identification Workshop will be held. Free and open to all.

In addition, we have a new nature educator, Susan Carver this year. She is offering two programs for adults, in addition to family programs. One program for adults, Tracking by Snowshoes, is on March 4 on Saturday afternoon. Register for the event and rent snowshoes (or bring your own) by calling the office at 518-875-6935.

Albany Area Astronomers

Other free family events are offered by the Albany Area Astronomers. Programs include viewing Perseid showers, the summer and fall constellations, and a sun/moon picnic. Call 518-374-8460 to check whether the program is being held. For more information access www.timesunion.com/communities/astronomy.

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 \$ _____

join today!

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 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. Become a member! You'll be in the very best company.
 Contact the Arboretum at 518-875-6935 or landis@midtel.net.



**Volunteer
Coordinator
Wanted**

Important opportunity for those
great at coordinating.
Contact Gloria Van Duyne—
518-875-6935
or email—landis@midtel.net
for more information.



HORTICULTURE CERTIFICATE COURSES REGISTRATION FORM

NAME _____
 ADDRESS _____
 CITY _____ STATE _____ ZIP _____
 PHONE (DAY) _____ (EVENING) _____

PLEASE CHECK SELECTION(S)

Courses are \$80 each. If taking course(s) for certification credits, please check boxes at right.

- SPRING 2005 Level II
 Horticulture of Albany Pine Bush Native Plants certification
- SPRING 2005 Level I
 Botany for Gardeners certification
- SPRING 2005 Level II
 Tough Trees for Tough Sites certification

AMOUNT ENCLOSED: **TOTAL \$** _____

PAYMENT METHOD
 CHECK OR MONEY ORDER
 VISA MASTERCARD

CREDIT CARD# _____
 EXPIRATION DATE _____
 NAME AS IT APPEARS ON CARD _____
 SIGNATURE _____

MAKE CHECKS PAYABLE TO SUNY COBLESKILL
Registration with payment is due one week before each course begins. No refunds after this deadline.

MAIL TO
 Att: Linda Karker
 Office of Community Outreach
 Warner Hall, Room 208
 SUNY Cobleskill 12043-1707

LANDIS
ARBORETUM
LAPE ROAD, BOX 186
ESPERANCE, NY
12066-0186

NON-PROFIT
ORGANIZATION
US POSTAGE
PAID
ESPERANCE, NY
PERMIT #6

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 conven-
ience, payment can be made via Visa or
MasterCard.

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

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.

For registration and payment, contact
Linda Karker, Office of Community
Outreach, Warner Hall, Room 208,
SUNY Cobleskill, NY 12043. Checks
are payable to SUNY Cobleskill. Cost:
\$80. Can be taken for credit or non-
credit.

MARCH

5 (Saturday) 1-4pm
GENERAL CLASS

Tracking by Snowshoe
Bring your own snowshoes or contact
the office for rental information and reg-
istration. Instructor: Susan Carver,
nature educator. Free.

9, 16, 23, 30 (Weds.) 7-9 pm
HORTICULTURE CERTIFICATE
COURSE

Horticulture of Albany Pine Bush Native
Plants (Level II)
Instructor: Leslie Wiedmann-Herd
Location: Albany Pine Bush Preserve
Commission Office, Latham \$80.
See left for registration information.

APRIL

1 (Friday) 8pm
STAR PARTY

The Albany Area Astronomers meet
regularly at the Landis Arboretum. On
sun/moon picnic dates, the club's spe-
cial solar telescope is used to provide a
safe view of the sun. Lunar and stargaz-
ing is continued after dark. Visitors are
welcome to join the club's activities;

bring a blanket and a picnic supper if
you wish. To check if a particular star
party is happening or not (due to cloudy
skies), call 518-374-8460.

5, 12, 19, 26 (Weds.) 7-9 pm
HORTICULTURE CERTIFICATE
COURSE

Botany for Gardeners (Level I)
Instructor: Peter Kaskeski
Location: SUNY Cobleskill Lab. \$80.
See left for registration information

6, 13, 20, 27 (Weds.) 7-9 pm
HORTICULTURE CERTIFICATE
COURSE

Tough Trees for Tough Sites (Level II)
Instructor: Fred Breglia, ISA, NYSNP
Location: Landis Arboretum. \$80.
See left for registration information.

23 (Saturday) 9am-3pm
WORKFEST

Spring Workfest
Bring your garden gloves. Good compa-
ny and snacks are provided.

24 (Sunday) 1:30-3pm
FAMILY PROGRAM
(age 5 and older with adult)

Water Wonders
Discover fairy shrimp, tadpoles, water
boatmen, and other nifty vernal animals
that inhabit our ponds during the
spring. Instructor: Susan Carver. Free

30 (Saturday) 10am-5pm

FAMILY PROGRAM
Spring Migration Hawk Watch

30 (Saturday) 2-3pm

Hawk Identification Workshop
Join us at the Arboretum watch for
hawks in migration. The Arboretum
offers a great view of the Schoharie
Valley, a natural corridor for hawks on
the move. You can be part of the watch
for as long as you want. A hawk identifi-
cation workshop at 2 pm helps you
hone your hawk-watching skills. Free

MAY

6 (Friday) 9pm

STAR PARTY
See April 1 description. Free

7 (Saturday) 8-9:30pm

FAMILY PROGRAM
Woodcock Walk

The woodcock inhabits the upland
fields of the area. The walk will consist
of learning about the woodcock, listen-
ing for singing males and trying to sneak
up on them to get a closer look at them.
Free.

13 (Friday) 5-8pm

PLANT SALE

Members Preview Party

Get your "pick of the pots" at the plant
sale. Dinner is complimentary and
served from 5:30-7:30pm. Members
only. Nonmembers can register and
join. Registration and payment deadline
is Wednesday, May 11. \$15.