

# Native News

Newsletter of the Maryland Native Plant Society

July/August 2009

Volume 9 Number 4

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## Upcoming Monthly Meetings

### “Champion Trees of Maryland”

Tuesday, July 28, 7:30 pm

Wheaton Regional Library – Large Meeting Room

Join Joe Howard, longtime MNPS member and coordinator of the stellar Montgomery County Champion Tree Program, for a virtual tour and presentation on some of Maryland's champion trees, most of which are located in Montgomery County. There are half a dozen species of oaks, including post, black, shingle, and Shumard. There are Maryland's largest known white pine and white or paper birch, which may also be a national champion. Then there are the national champions: black haw, paw paw, and Kentucky coffeetree, as well as dozens of other beautiful species that grace Montgomery County and the state of Maryland. The Montgomery County Forestry Board has been cataloguing these trees for the last 20 years. Along the way, Joe will also share stories of some of his favorites.

**Directions:** From 495 (Capital Beltway), take exit 31A. Take ramp right for MD-97 North/Georgia Ave toward Wheaton. Bear Right onto SR-97/Georgia Ave. Pass SUZUKI on the right in 1.6 mile. Arrive at 11701 Georgia Ave Ste 1, Wheaton, MD 20902. The last intersection is Dawson Ave. If you reach Arcola Ave, you've gone too far.

### “Summer Wildflower Identification Workshop”

Tuesday, August 25, 7:30 pm

White Oak Library – Large Meeting Room

Join Dwight Johnson, longtime MNPS member and notable field trip leader, who will be “on-loan” from the Baltimore Chapter for a hands-on plant identification workshop focusing on meadow and roadside wildflowers of late summer. Emphasis will be placed on important and widespread plants such as the often under-appreciated yellow composites and thoroughworts of the Asteraceae; native legumes like tick-trefoils (*Desmodium* spp.) and bush-clovers (*Lespedeza* spp.); and some late-blooming plants of the Mint Family (Lamiaceae). Habitat requirements, distribution, and plant rarity will also be discussed. Live material will be used. A hand lens is helpful, but not necessary for identifying most plants.

**Directions:** Exit the Washington Beltway at New Hampshire Ave (exit 28). Go north about 2 miles. The library is the first building on the right, once you have passed under Route 29, just after the Sears store.

Field Thistle (*Cirsium discolor*) with Tiger Swallowtail. Photo by Rod Simmons.





# Native News

## MNPS Announcements

### Native News Would Love to Hear From You!

Have you had a memorable time on a MNPS field trip recently? Discovered a new book about native wildflowers? Enjoyed a woodland walk? We invite MNPS members to submit short articles and photographs to the *Native News* for publication. Essays about field trip experiences and book reviews are welcome! Please send your submissions to Melanie Choukas-Bradley at [choukas@erols.com](mailto:choukas@erols.com) or 7100 Oakridge Ave, Chevy Chase, MD 20815 and put "Native News" in the subject heading of your email. Be sure to give us your name, phone number, and mailing address. Articles may need to be edited for space. We hope to hear from you!

### Welcome New Members!

The following have recently joined the Society: Rebecca Beaver, Nathan Beeman, Sandra Bloom, Carolyn Cradler, Kathleen and Daniel Dister, David Fryauff, Barry Glassman, Pam Harris (Chesapeake Conservation Nurseries), Karl Huber, Elizabeth Knox (Greener Than Green Gardens), Jack Krusberg and Sue Henley, Brian Mahan (Yard by Yard Makeovers), Rebecca Morris, Shashi and Uday Purushe, Gail Rogers (Rogers and Company LLC), Micah Ryder (District of Columbia DOE-Wildlife Management Branch), Frances Saybolt, Jodie Shivery (Environmental Matters), Lisa Spence and Richard Hahn (Catoctin Wildlife Preserve), Martha Stauss (Green and Sticky, Inc), Kimberly Stenley, Cynthia and Patrick Turnes, Allison Valenzia (Environmental Quality Resources), Michelle Wenzel, Jane Wilhelm, and Sandra Young. We thank everyone for their continuing support.

### Not receiving our monthly emails?

Lately, member emails have been bounced back from the monthly email, especially Yahoo, Comcast, and Verizon accounts. Check your spam folders and make sure that [mnps@chesapeake.net](mailto:mnps@chesapeake.net) is in your address book or list of approved emails. You can also send an email to [mnps@chesapeake.net](mailto:mnps@chesapeake.net) to verify that we have your correct email address.

### Do you know when your membership expires?

To tell when your membership expires, (and what type of membership you have) take a look at your mailing label. For example, if your label reads 7/1/2009 your membership expires at the end of July. If it's time to renew, please use the form on the back of this newsletter or download one from the website. Mail your dues to MNPS Membership, PO Box 4877, Silver Spring, MD 20914. If your label does not include a date (example E-54) you are receiving a newsletter as part of our exchange program with other native plant (and similar) societies. Memberships or donations to support this service are appreciated.

## Maryland Native Plant Society

### 2009 Annual Fall Conference

September 26-27

### The Catoctin Region

*Thurmont Library, Thurmont, Maryland and  
Field Trips throughout the Region*

Early Registration Fee: (includes lunch): \$50 members; \$65 nonmembers

Saturday Social Fee: \$30 per person (includes dinner)

The Catoctin Mountains and surrounding region, including calcareous habitats, will be highlighted. The conference starts Saturday with speakers followed by afternoon and Sunday field trips. We are in the planning stages, but mark your calendar now.

Contact Karyn Molines, Conference Chair:

[kmolines@chesapeake.net](mailto:kmolines@chesapeake.net) or 410-286-2928.

Register by July 31 for the early registration fee.

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**2009 Conference Early Registration:** Not a member? Join and register at member's rates.

Name (s) \_\_\_\_\_  
Street \_\_\_\_\_  
City \_\_\_\_\_  
State \_\_\_\_\_ Zip Code \_\_\_\_\_ County \_\_\_\_\_  
Home Phone \_\_\_\_\_  
Work Phone \_\_\_\_\_  
Email \_\_\_\_\_

<i>Any Dietary Restrictions?</i>	
Registration Fee	
Saturday Social	
Membership	
Additional Donation	
<b>Total Enclosed</b>	

Please make checks payable to:  
**Maryland Native Plant Society**  
Mail to: MNPS Fall Conference  
P. O. Box 4877  
Silver Spring, MD 20914

### Native Plant Professionals

One of the Society's many services is providing a list, available on the website, of our current members who have told us that they are native plant professionals. This list is different than the list of nurseries found on the website, since it includes professional gardeners and landscapers as well as native plant propagators and suppliers. If you wish to receive a copy of this list, or if you wish to be included on the list, please contact Karyn Molines, [kmolines@chesapeake.net](mailto:kmolines@chesapeake.net) or 410-286-2928.

## Chapter Events and Updates

### Greater Baltimore Area Chapter

#### Designing a Native Plant Garden Workshop

Presented by Louisa Thompson and Ann Lundy  
Wednesday, July 15 at 7:30 pm

Are the aesthetics of native plant gardening different from traditional garden design? How can we design a garden that works for wildlife as well as for us? How can we integrate a "wild" garden into the surrounding neighborhood? Join us for a discussion of these aesthetic issues, followed by a short talk on principles of garden design and hands-on practice with 3-dimensional materials. Learn how to simplify and unify your garden to make a bolder statement, how to use balance and proportion to enhance harmony, and how to design for mystery, surprise, liveliness or serenity – all while creating great habitat. The meeting will be held at Irvine Nature Center, 11201 Garrison Forest Road, Owings Mills, MD 21117.

### Western Mountains Chapter

#### Native Orchids of North America

The *Western Mountains Chapter of the Maryland Native Plant Society* will hold its regular meeting at the Appalachian Laboratory in Frostburg on Tuesday August 18<sup>th</sup> at 7:00 pm. The guest speaker will be Jessie M. Harris, world-renowned nature photographer and owner of Flower and Nature Photography in Washington, D.C. Ms. Harris will give a slide presentation called "The Native Orchids of North America." During her program she will showcase native orchids, the real gems of the forest, using the exquisite photographs that she has taken over the last 30 years. Her program will begin immediately following a brief business meeting. The public is welcome to attend.



Jessie Harris was brought up in Wheeling, W.Va. where she had a secret wildflower garden in the woods and would take bouquets of wildflowers to her teachers. She went to Duke University where she majored in history of art. Upon graduation she became a secretary and later started a business finding roommates for people. When that bored her she went to law school, Georgetown, and spent a few years practicing law in Washington. A new sister-in-law sent her a book of photographs of northeast wildflowers. As an adult she had put aside childish interests and suddenly they came back. She took a nature photography course and the teacher was shocked that she didn't even have a camera. But she became addicted. She slowly abandoned law and started trying to photograph all the non-woody plants of the Northeast.

During her long and illustrious career she has photographed over 6,000 different plants. Initially her business efforts were based on selling prints, but slowly she started selling one time use of photographs in magazines, books, calendars, note-cards, and even games. She is proudest of having covers on several magazines and five different books, including: *Wildflowers of the Smokies*, *A Field Guide to Wildflowers of the Rocky Mountains*, *North Woods Wildflowers*, and *Encyclopedia of Endangered Species*. Ms. Harris was also delighted to have 46 photographs of flowers in a cookbook published by the wives of the Senators and Representatives as their chief fundraising effort. After seeing her photographs the Editor decided to use only flower and not food photographs in their book. Another coup was having 20 pictures in a book published by the U.S. Postal Service in conjunction with some wildflower stamps. She was also pleased to have photos in an Audubon calendar and field guides. Jessie says she is getting tired of chiggers, ticks, and poison ivy but she is not quitting yet.

Directions to the program: From I-68 take exit 33 (Braddock Rd & Midlothian Rd exit). Follow Braddock Road approximately .2 miles to the entrance to the Appalachian Lab on the left side of the road (301 Braddock Road). There is plenty of parking in front of the building.

The *Western Mountains Chapter* was formed to expand the efforts of *MNPS* on the Allegheny Plateau and Ridge & Valley physiographic provinces of the central-Appalachians. Residents of western Maryland, nearby Pennsylvania and West Virginia, and anyone else interested in learning more about and conserving the native plants of this region are invited to join. For more information contact Liz McDowell, Chapter Coordinator, at 301-895-3686 or [boyerandmcdowell@earthlink.net](mailto:boyerandmcdowell@earthlink.net).

**LOOKING FOR A FIELD TRIP?** Check the *MNPS* website ([mdflora.org](http://mdflora.org)) for field trips and chapter events that didn't make the *Native News* publication deadline.

Leather Flower (*Clematis viorna*) with Silver-spotted Skipper. Photo by Meghan Tice.

## Summer Field Trips

### Please Note:

*No Civil War Fort Field Trips are scheduled for July or August but they will resume in September.*

### Wetland Plant Identification Jug Bay Wetlands Sanctuary

**Leader:** Karyn Molines

**Date:** Saturday, July 18 **Time:** 9:30 am – noon

Summer is when freshwater tidal wetlands are the lushest. Pickerelweed, arrowhead, wild rice, turtlehead, and over 60 other species can be found in the marshes and swamp at Jug Bay Wetlands Sanctuary along the Patuxent River. We won't even need to get our feet wet, because we'll be on boardwalks and trails. Ospreys, turtles, frogs, and snakes are likely to be found on this easy hike.

**Directions:** From the Washington Beltway, take Pennsylvania Ave (Route 4) south. In about ten miles take exit for Plummer Lane. Continue for half mile and turn right on Wrighton Road. In a half-mile turn left onto gravel drive and proceed to the Wetlands Center. Directions can be found at: <http://www.jugbay.org/jugbay/directions.html> or call 410-741-9330.

**Bring:** Comfortable walking shoes, hat, water, snack or lunch, field guides, hand lens, binoculars, camera.

**Note:** There is a \$5 per person entrance fee into the Sanctuary. Participants may continue hiking on their own after noon.

**Contact:** Karyn Molines [kmolines@chesapeake.net](mailto:kmolines@chesapeake.net) (preferred) or 410-286-2928.

### Lake Artemesia in College Park

**Leader:** Matt Cohen

**Date:** Saturday, July 18 **Time:** 9:00 – 11:00 am

Come out for a couple hours before the heat of the day kicks in and explore this park with a diversity of habitats including open fields, woodlands, and wetlands. The lake is artificial, but it's still a great place to check out native plants.

**Directions:** From the Capital Beltway (I-495), take exit 23. At the end of the ramp, go south (left) onto Kenilworth Avenue towards Bladensburg. Make a right onto Route 193, Greenbelt Road. In about ¾ of a mile, make a right onto Branchville Road. Follow Branchville Road as it goes to the left under Greenbelt Road. Keep following the road till you get to the parking lot for Lake Artemesia on the left, just after the Berwyn Road intersection.

**Bring:** Water, sunscreen, hat. **Note:** The walking surface is a flat, wide paved trail and we'll go at a leisurely pace.

**Contact:** [matt@mattshabitats.com](mailto:matt@mattshabitats.com)

## Native Plants & Pollinators Brookside Nature Center

**Leader:** Brady Hartley

**Dates/Times:** Thursday, July 23 (6 – 7 pm) and Sunday, August 23 (10:30 – 11:30 am)

See what native flowers are in bloom in the meadow, woods, and gardens around the nature center, and learn about the insects that depend on them. This series is open to all ages and children are encouraged to attend!

**Directions:** From Georgia Ave heading north, take a right on to Randolph Road. Go to the second stoplight and turn right on Glenallan Ave. Pass the gated entrances to the gardens and look for the un-gated entrance to the nature center on the right at 1400 Glenallan Ave, Wheaton, MD 20902. Turn right into the parking lot where the group will meet.

**Note:** The center is closed to the public during the programs, but restrooms will be available for program participants.

**Contact:** Register for these free programs at [www.parkpass.org](http://www.parkpass.org), or call Brookside Nature Center at 301-946-9071. The July 23 program is course #73802 and the August 23 program is course #73803. For more info, contact Brady Hartley at [brady.hartley@montgomeryparks.org](mailto:brady.hartley@montgomeryparks.org) or 301-625-7207.

### Gunpowder State Park - Hereford Area

**Date:** Sunday, August 30 **Time:** 10:00 am – 4:00 pm

This will be a 4-mile nature and exercise hike along the Gunpowder from Masemore Rd to Prettyboy Dam. There will be steep and very rocky sections along the trail. We will stop for anything that is interesting. We should find a good variety of ferns and wildflowers.

**Directions:** From the Baltimore Beltway go north on I-83 for 12 miles and take exit 27 onto Mount Carmel Rd. Proceed west for 0.7 miles and make a right at Masemore Rd and proceed for another 1.5 miles to parking area. The speed limit is posted at 10 miles at the bottom of Masemore Rd. Believe it. There is a very sharp narrow turn at the mill.

**Bring:** Lunch and water. Binoculars might be handy. Hiking boots are highly recommended. **Note:** Rain or shine. If you need a place to pick up a sandwich, Graul's Supermarket is located in the shopping center on Mt. Carmel Rd at the I-83 exit. You will want to ask to have it packed in a bag instead of their usual plastic box.

**Contact:** Dwight Johnson 410-366-7239 or [dwrightmjohnson@comcast.net](mailto:dwrightmjohnson@comcast.net).

### Civil War Fort Sites in the Washington, D.C. Region (84<sup>th</sup> in Series) – Fort Dupont

**Leaders:** Mary Pat Rowan and Lou Aronica

**Date:** Sunday, September 6 **Time:** 10:00 am – 2:00 pm  
We will return to FORT DUPONT.

**Directions:** We will meet in the parking lot of the Ft. Dupont Activity Center off Randall Circle. Randall Circle is on Minnesota Ave SE at Massachusetts Ave SE. Access via East Capital Street and go south on Minnesota Ave SE to



Randall Circle which is at Mass Ave SE. Or, take I-295 from the beltway north to Pennsylvania Ave SE and turn north on Minnesota Ave. Travel north until you get to Mass Ave SE which is Randall Circle. Go around the circle and into the park at the sign and you will see the parking lot on your left.

**Bring:** Water and lunch. **Note:** Easy to moderate walk.

Alight drizzle is fine but cancelled if pouring rain.

**Contact:** Mary Pat Rowan blair-rowan@starpower.net or 202-526-8821.



Turk's-cap Lily (*Lilium superbum*) with Pipevine Swallowtail.  
Photo by Meghan Tice.

## Tree Anatomy Walk

### Wheaton Regional Park, Silver Spring

**Leader:** Richard Murray, arborist and author of the *Tree Biology Notebook*

**Date:** Saturday, November 7 **Time:** 10:00 am – 2:00 pm  
To understand trees, we need to study how they grow in a natural setting. Our walk will look at tree architecture (parts and structure), branching patterns, and contrast how trees adapt to environmental influences; i.e. woods, edge, and open settings. Aging stages (young, mature, declining), defect patterns, and how trees compensate for wounding will be explored. We will also look down into leaf layers for non-woody roots, including mycorrhizae.

**Directions:** From Georgia Ave or University Blvd, take Arcola Ave to Orebaugh Ave. Turn into Wheaton Regional Park Athletic Complex and drive ½ mile to the parking lot at the Dog Park/Open Air Hockey Rink.

**Bring:** Light lunch, notepad, and hand lens. **Note:** Moderate to easy walk, rain or shine, limited to 20 participants. Registration is required.

**Contact:** Richard at richardmurray@shannontree.com. Richard will have books available for signing after the walk.

## Field Trip Report

### Central Pennsylvania Field Weekend Report

We had a wonderful weekend May 29-31 in the State College area. The weather was perfect and we enjoyed getting to know members of the Pennsylvania Native Plant Society. Botanical highlights included:

- **Martin's Gap (Rocky Ridge):** We hiked up a steep and sometimes rocky trail, and were rewarded with a lovely view. Among many species (Heidi's list has close to 100), we saw Putty Root (*Aplectum hyemenale*) in bloom, Goldenseal (*Hydrastis canadensis*), Poke Milkweed (*Asclepia exaltata*), and Carrion Flower (*Smilex herbacea*).
- **Bear Meadows Natural Area:** We walked around the perimeter of a remnant bog, noting Leatherleaf (*Chamaedaphne calyculata*), Heartleaf Twayblade (*Listera cordata*), and Goldthread (*Coptis trifolia*), among others.
- **Fisherman's Paradise:** Along a limestone cliff face, we saw a great diversity of plants, including Wall Rue (*Asplenium ruta-muraria*), Maidenhair Spleenwort (*Asplenium tricomanes*), Bluebell Bellflower (*Campanula rotundifolia*), Seneca Snakeroot (*Polygala senega*), and Green Violet (*Hybanthus concolor*).

But no species list could do justice to the richness and diversity of these beautiful areas. We also visited Shavers Creek Environmental Center for a tour of their forest restoration efforts, and we picnicked on Saturday among tall hemlocks at Alan Seeger Natural Area. And let's not forget the pitchers of pale ale at Otto's Brewpub on Saturday night. About 35 people participated in some or all of the weekend, including residents of 5 states: MD, PA, NJ, VA, and NC.

Thanks to Debra Grim, Eric Burkhardt, and Harry Henderson of PNPS for their leadership. We hope the weekend will be the beginning of an ongoing relationship with PNPS

*"the natural world is the larger sacred community to which we all belong"*  
~ Thomas Berry

#### Native News Deadlines:

July 25	September/October Early Autumn Issue
Sept 25	November/December Late Autumn/Holidays Issue
Nov 25	January/February Winter Issue
Jan 25	March/April Early Spring Issue
March 25	May/June Late Spring Issue
May 25	July/August Summer Issue
<b>Next Mailing Party Date (White Oak Library):</b> Tuesday, August 25 at 7:00 pm	

## ~ Wildflower in Focus ~

Pasture Rose  
(Low Pasture Rose,  
Carolina Rose)

*Rosa carolina* L.

Rose Family (Rosaceae)

Written by  
Melanie Choukas-Bradley

Illustration by  
Tina Thieme Brown



Rosaceae  
*Rosa carolina*

Tina Thieme Brown ©2001

While many of us curse the invasiveness of the notorious multiflora rose, our native roses, which are less prolific, often get overlooked. The pasture rose graces open woodlands, fields, and roadsides of Maryland with late spring-early summer flowers. In MNPS member Dr. Sara Tangren's words: "I've seen pasture rose growing in the channery loams under power lines in Baltimore County, on the serpentine site in Potomac, and in moist sandy soils in Charles County. Growing them at the farm I learned that they are fragrant, especially so in the morning. The buds are delicate and beautiful, classic rose buds. They are strongly rhizomatous in coarse soils, really too aggressive for most formal gardens, but in soils like the ones I'm cursed with at home in Takoma Park, they stay put for years on end. I think their spreading nature suggests they may have some value for soil stabilization." In response to Sara's remarks, geologist Tony Fleming wrote: "Your observations demonstrate the remarkably wide range of soil conditions this species can tolerate. Yesterday evening we went for a hike [in Indiana] and found it growing together with swamp rose (*Rosa palustris*) on some pretty damp, mucky ground along one of our lake borders." Tony also said he finds pasture rose growing in and near Maryland: "I think this species is adventitious in woodland settings and highly dependent on disturbance. It probably has greatly expanded its range in response to human activity, colonizing edges and clearings. It is fairly common in Rock Creek Park..."

**Flowers:** Large, pink, usually borne singly, 1 - 2" across, 5-petaled, with yellow stamens. Rosebuds deeper pink. Flower has a delicate, classic rose fragrance. **Leaves:** Alternate, compound, each with several toothed, pinnately arranged leaflets. Leaf size varies. Prickles are slender, straight or barely curved. **Height:** 1 - 3'. **Habitat and Range:** Open woods, fields, roadsides; eastern U.S. Longtime MNPS board member and *Marilandica* editor Rod Simmons observed: "In my experience, [pasture rose] is a near constant component of diverse oak-hickory forests in the Triassic Basin—especially on rocky diabase soils of the Basic Oak-Hickory Forest—and reappears again with regularity on the floristically similar weathered, heavy clay loams and cobbly soils of the upland colluvial slope forests below oak-heath forests along the fall line in northern Virginia, D.C., and Maryland." **Similar Species:** Multiflora rose (*Rosa multiflora*) is an invasive Asian species that has proliferated throughout Maryland in hedgerows, along roadsides and even in woods. It has smaller, paler blossoms which grow in large clusters and it is a larger shrub. The stipules of multiflora rose are deeply fringed. Swamp rose (*R. palustris*) is a native rose that favors wetlands. Distinguish swamp rose from pasture rose by its curved prickles and very finely toothed leaves. **Blooming Time:** May - July. **Locations:** Sugarloaf Mountain trails and roadsides; C&O Canal Towpath, Washington County; locations mentioned above; throughout Maryland. Great Falls, Virginia. Quoting Rod Simmons again: "My friend Susan McLaughlin, who's created a very nice public garden in Alexandria, VA (Little Park) with mostly natives, planted a border of Pasture Rose, which is really a showpiece!"

"Wildflower in Focus" is adapted from *An Illustrated Guide to Eastern Woodland Wildflowers and Trees: 350 Plants Observed at Sugarloaf Mountain, Maryland* (Choukas-Bradley and Brown, University of Virginia Press, 2008). Cris Fleming, Tony Fleming, Kirsten Johnson, Rod Simmons, Sara Tangren, and other MNPS members and friends contributed to this article.

## Opportunities for Private Land Restoration in Maryland

Get involved to help restore habitat for rare, threatened, and endangered species

Bradley Kennedy, Landowner Incentive Program Biologist,  
Maryland Department of Natural Resources

Are you interested in helping to promote habitat conservation and restoration projects in the state of Maryland? As knowledgeable botanists and wildlands explorers, MNPS members are uniquely positioned to help identify potential projects for Maryland's Landowner Incentive Program (LIP). Funded by a grant from the US Fish and Wildlife Service, LIP is designed to protect, enhance, and restore habitat for species-at-risk on private land throughout the state. LIP is administered by the Maryland Department of Natural Resources, which provides technical assistance to accompany the federal funding to implement projects. There are currently over 40 projects scattered across the state, from Eastern Shore wetlands to western Maryland mountains. To learn more about our current projects, check out our website below.



The Maryland Landowner Incentive Program provides funding to restore habitat on private land, including projects like prescription grazing to clear woody vegetation from overgrown bogs. This goat is happily nibbling on invasive multiflora rose at a LIP bog restoration site in Carroll County.

With 455 plant and 152 animal species considered rare, threatened, or endangered in the state of Maryland, LIP biologists can always use extra eyes & ears looking for potential new projects. As you come across properties that can provide habitat for species-at-risk and may require restoration, feel free to let the landowners know about our program. Don't worry if you're not sure what kind of projects might apply on a specific property. If the landowner is interested, LIP biologists can visit the site and evaluate the need and potential for restoration.

Interested landowners are required to submit an application which will be reviewed by a team of ecologists at DNR. Projects are evaluated according to the potential benefit to species-at-risk. Approved projects will receive 75% funding from LIP, and landowners are generally expected to contribute the remaining 25% with a cash or in-kind match. We usually do not fund projects on small (backyard) properties less than five acres, because our program is for restoring wild habitats, not residential landscaping. Smaller properties may be considered if they contain unique habitat areas such as bogs, beaches, and streams.

Types of projects that we can approve include:

- Reforestation of contiguous forest
- Establishment of forested and grassland buffers
- Restoration of native plant communities
- Establishment of contiguous warm-season grassland
- Fallow field management
- Invasive species control
- Vegetation management
- Restoration of wetland hydrology
- Livestock exclusion and fencing
- Prescription grazing of bog turtle wetlands

**HOW TO APPLY:** All projects must be on privately owned land. If you know the landowner, have them submit an application (found on our website below). You may also send a note with the landowner's name and address along with a description of the property and any rare plants you are aware of. Please include as much information as possible. If you do not know the landowner, send as much information as you have available and LIP staff will attempt to get in touch with them.

For more information:

Check out the LIP Website:

<http://www.dnr.state.md.us/wildlife/lip.asp>

Contact Bradley Kennedy at 410-260-8557 or

[bkennedy@dnr.state.md.us](mailto:bkennedy@dnr.state.md.us) or:

Maryland Landowner Incentive Program

MD DNR Wildlife and Heritage Service

580 Taylor Ave, E-1

Annapolis, MD 21401



## Upcoming Native Plant Sale

### Native Plant Seminar and Sale Saturday, August 29

Irvine Nature Center, 11201 Garrison Forest Rd, Owings Mills, MD

Morning Speakers on Creating Native Meadows, and Little Known Native Plants for the Landscape; Choice of Afternoon Workshops include Meadow Design, Fall Wildflowers, Tree Anatomy, and the Woods in Your Backyard; Great Native Plant Sale. For details, please see [www.explorenature.org](http://www.explorenature.org) or call 443-438-9200.

## Some Comments by Fernald on the Study of Pondweeds (*Potamogeton*)

[From *The Linear-Leaved North American Species of Potamogeton* (1932) by M.L. Fernald]

“The Pondweeds, growing chiefly in what Mr. Mantalini would have called ‘damp, moist, unpleasant’ habitats, have never had their share of critical students in America. The first treatment of North American species was in Michaux’s *Flora Boreali Americana* (1803), where Michaux (1746-1802) enumerated several plants, doubtfully identified by him with European species and without very detailed characterizations but with enough differential characters noted, so that when, in 1808 or in 1811, the opportunist, Rafinesque (1783-1840), renamed them, without further elucidation and sometimes with Michaux’s diagnoses misquoted, they could stand as published American species, based upon the Michaux types which Rafinesque had not examined and certainly did not understand. The first scholarly study of American species was in 1827, when Chamisso & Schlechtendal (Chamisso, 1781-1838; Schlechtendal, 1794-1866), discussing the plants of the Romanzoff Expedition, threw a very clarifying light upon the relationships of certain North American species. But the first noteworthy study of the group by an American was Edward Tuckerman’s in 1848, a masterly and accurate presentation of clear-cut morphological characters of the limited number of species considered, such as few later students have achieved; for, unfortunately, the group has been so generally avoided by botanists of accurate minds and scholarly temperaments, that it has in recent years drifted largely into other hands and has been treated in an impressionistic and slipshod manner almost unbelievable. Had Tuckerman (1817-1886), whose work was thorough, accurate and sane, continued his studies of *Potamogeton* the group would be today far better understood.

Asa Gray (1810-1888), whose genius put so many American groups upon a solid taxonomic basis, seems to have given only a single tedious day to the study of Pondweeds, for there is little evidence that he went very far or at all understood the group, perhaps through fear of the psychological result indicated in his letter to the prospective Mrs. Gray:

I have been addling my brain and straining my eyes over a set of ignoble Pond-weeds (alias *Potamogeton*) trying to find the ‘difference there should be twixt tweedle-dum and tweedle-dee,’ and wasting almost as much brain in the operation as your dear paternal would expend in an intricate law case, for all of which I suppose nobody will thank me and I shall get no fee. Indeed, few would see the least sense in devoting so much time to a set of vile little weeds. But I could not slight them. The Creator seems to have bestowed as much pains on them, if we may use such a word, as upon more conspicuous things, so I do not see why I should not try to study them out. But I shall be glad when they are done, which I promise they shall be before I sleep. 10:45 P.M. – There, the pond-weeds are done fairly.

Fortunately, just at the time of Gray’s unenthusiastic and final venture into *Potamogeton* and following closely upon Tuckerman’s brilliant pioneer studies in the genus... James W. Robbins (1801-1879) became absorbed in the group [followed by] Thomas Morong (1827-1894) and others...

## Douglas Tallamy on Native Plant Cultivars

[Portion of interview with Dr. Tallamy reprinted from the Spring 2009 issue of *Palmetto*, the Quarterly Journal of the Florida Native Plant Society]

Douglas W. Tallamy received a Ph.D. in Entomology from the University of Maryland in 1980. Since the publication of his book *Bringing Nature Home*, he has been in constant demand as a speaker, appearing at locations such as Longwood Gardens and the Morris Arboretum. On February 26, 2009, Sue Dingwell, President of the Palm Beach Chapter of FNPS, interviewed Dr. Tallamy for *Palmetto*.

**SD:** *As you make the rounds on the speaker circuit, is there one question that has been recurring over many geographical areas?*

**DT:** Yes – “Are cultivars as good as the original native plant?”

**SD:** *Are they?*

**DT:** If the change is just one of size it would probably not have a bad effect. However, if creating a cultivar involves a difference in the chemistry of the leaf, or the flower color, then the resulting plant’s efficacy in its native environment is also altered.



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