

25th
annual

Native Plant

Seminar & Sale
fri & sat, august 26-27

**Just for our 25th Anniversary:
Join us Friday for native plant night!**



Cardinal flower
Lobelia cardinalis



Irvine

Explore • Respect • Protect Nature

register early for
a chance to win
special native
plant giveaways!

try a
HANDS-ON
afternoon
WORKSHOP!

**JOIN IRVINE FOR ITS 25TH ANNUAL
NATIVE PLANT SEMINAR & SALE
WITH SIX DYNAMIC SPEAKERS,
AFTERNOON WORKSHOPS AND
A GIANT PLANT SALE. PARTICIPANTS
WILL INCREASE THEIR KNOWLEDGE**

**ABOUT NATIVE VEGETATION,
SUSTAINABLE PRACTICES AND THE CONSERVATION
OF NATIVE LANDSCAPES.**

all-day plant sale

Featuring many of the region's finest native nurseries, the plant sale at Irvine offers a wide selection of top quality native plants for purchase. Seminar registrants are admitted 90 minutes before the sale opens to the public. Baltimore County Master Gardeners will be on hand to answer your plant and gardening questions.

**Be one of the first 50 registrants
and be entered to win one of
the following: \$50 gift certificate
to the Irvine Nature Store,
\$50 worth of Native Plants, or
a copy of Doug Tallamy's book,
The Living Landscape.
Winners will be notified on
the day of the conference.**

PROGRAM

Friday Evening

- 6:15 p.m. Dinner & Native Plant
Trivia Challenge**
- 7:30 p.m. Michael Raupp** – What a Warming
World Means...

Saturday

- 7:30 a.m. Registration & Early Bird Plant Sale***
for Seminar Registrants
- 9 a.m. Plant Sale Open to the Public
Seminar Welcome**
- 9:10 a.m. Claudia West** – Creating Stunning
Ecological Plant Communities...
- 10:20 a.m. Morning Breakout Sessions**
- 1. Michael Szesze** – Carnivorous
Plants in Home and Garden
 - 2. Margaret Ronshein** – Restoration
Ecology...
 - 3. Lea Johnson** – Invasive Exotics
and Urban Forests...
- 11:20 a.m. Break** (coffee & snack provided)
- 11:50 a.m. Doug Tallamy** –
A Chickadee's Guide to Gardening

12:50 p.m. Seminar Concludes Lunch & Shopping

*Enjoy lunch, shop at the region's
best native plant nurseries and
spend time shopping in Irvine's
Nature Store.*

2 p.m. Workshops Begin

*Pre-registration is required.
Space is limited and there's an
additional charge.*

1. Maryland's Maples – **Vanessa
Beauchamp**
2. So You Want to Plant a Tree –
Stephen Sprague
3. Native Ferns in the Woods
and Garden – **Rob Mardiney**
4. Making Jellies from Native
Plants – **Beth Lacey Gill**

3:30 p.m. Workshops Conclude Native Plant Sale Ends

4 p.m. The Nature Store Closes

**Native plant sale open to the public 9 a.m.-
3:30 p.m. Registrants can take advantage of
free "plant-sitting" during the seminar.*

seminar speakers

FRIDAY EVENING

WHAT A WARMING WORLD MEANS FOR BUGS AND NATIVE PLANTS

Michael Raupp will explore evidence of climate change affecting insects and plants. He will show how warmer temperatures can alter ranges of pests, seasonal phenology of insects and mites, and interactions among plants, herbivores, and their natural enemies. The strong dependency between temperature and the development and activity of insects portends important changes for plants and insects in a warming world.

Michael Raupp is a professor and extension specialist at the University of Maryland at College Park where he earned his Ph.D. in entomology.

SATURDAY MORNING

CREATING STUNNING ECOLOGICAL PLANT COMMUNITIES THAT STAND THE TEST OF TIME

Plants are the foundation of healthy ecosystems and they bring beauty and joy to our lives. But great plants alone don't automatically create lasting ecological benefits in our gardens. Claudia West, talks about spectacular perennials and grasses and how to use them in stable, layered, natural combinations that increase the ornamental, functional, and ecological value of your landscape. Enjoy and be inspired!

Claudia West is the ecological sales manager at North Creek Nurseries, a wholesale perennial grower in Landenberg, Penn. Claudia holds a Master's Degree of Landscape Architecture and Regional Planning from the Technical University of Munich, Germany.

new this year:
a FRIDAY EVENING
DINNER, speaker
& TRIVIA challenge
featuring
MICHAEL RAUPP!

A CHICKADEE'S GUIDE TO GARDENING

In the past we have designed our landscapes strictly for our own pleasure, with no thought to how they might impact the natural world around us. Using chickadees and other wildlife as guides, Tallamy will show how plants that evolved in concert with local animals provide for their needs better than plants that evolved elsewhere. In the process he shows how sharing our landscapes with other living things will not reduce our pleasurable garden experiences, but enhance them.

Doug Tallamy, author of *Bringing Nature Home*, is Professor and Chair of the Department of Entomology and Wildlife Ecology at the University of Delaware.



Eastern Redbud
Cercis canadensis

saturday morning break-out sessions

Choose One.

1. CARNIVOROUS PLANTS IN HOME & GARDEN

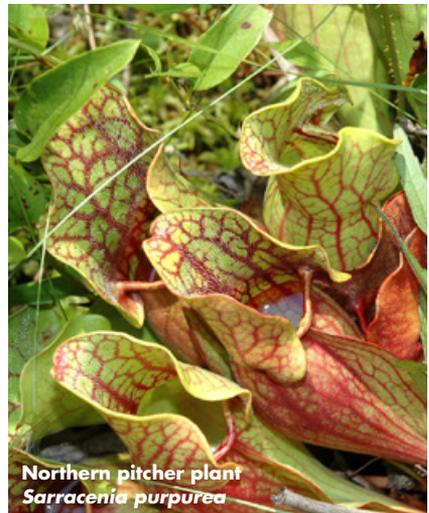
This presentation is an engaging exploration into the fascinating world of carnivorous plants that explores the various kinds of native carnivorous plants and their habitats. From this develops an understanding of how to grow and care for these most unique plants. **Michael Szesze** is a retired award-winning science teacher of 32 years and the current owner and operator of Carnivorous Plant Nursery, in Smithsburg, Md.

2. RESTORATION ECOLOGY & THE CREATION OF SUSTAINABLE LANDSCAPES

Dr. Edith Roberts, Professor of Botany at Vassar College from 1919-1949, is best known for co-authoring an early and influential book on landscaping with native plants (*American Plants for American Gardens*) and for establishing the Dutchess County Ecological Laboratory on the Vassar College campus. Starting with “four acres of poison ivy with a few oak trees,” she and her students planted an outdoor laboratory that included all of the major plant associations found in Dutchess County at that time. This ecological laboratory was the first of its kind and is widely recognized as one of the earliest ecological restoration projects in the country. Examining what elements of those original plantings remain and how the site has transitioned over time provides an important perspective for current restoration work as well as giving insight into the creation and maintenance of sustainable natural landscapes. **Meg Ronsheim** is a Professor of Biology and a former Director of the Environmental Studies Program at Vassar College.

3. INVASIVE EXOTIC PLANTS & URBAN FORESTS: COMMUNITY CHANGE AND RESTORATION

Non-native invasive plant species are an important management challenge in urbanizing regions, where habitat fragmentation and frequent species introductions are common. In the altered conditions of urban forests, these plants can dominate and persist, crowding out native biodiversity. This presentation will discuss results of new studies that evaluate long-term effects of ecological restoration of invaded urban forest patches in New York City, where the Parks Department began addressing this problem in the mid-1980s, and present a framework for setting goals and assessing success in ecological restoration in urban environments. **Lea Johnson** is an ecologist who joins basic research in plant ecology with applications to land management, particularly the conservation and restoration of biodiversity and ecosystem functions in urban and urbanizing regions.



Northern pitcher plant
Sarracenia purpurea

saturday afternoon workshops

Choose One.

1. SO YOU WANT TO PLANT A TREE?

Trees are living assets that can provide many benefits for generations to come. Unfortunately, despite the best of intentions, the lives of many trees are cut short by improper selection and planting practices.

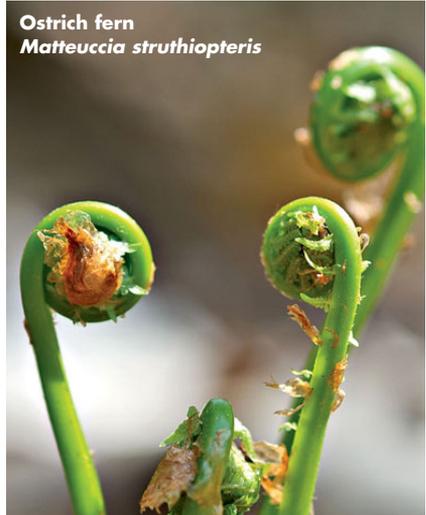
Stephen Sprague will review the elements involved in matching a tree with its intended site, and ensuring that it is planted in a manner that gives it more than just a fighting chance. Weather permitting, after the presentation participants can assist with planting a tree (donated by Carroll Tree Service, Inc.) on the Irvine grounds. Steve, an ASCA Registered Consulting Arborist with Carroll Tree Service, has over 15 years of combined experience in Arboriculture.

2. MEET MARYLAND'S MAPLES

Maple trees are known for the colorful autumn leaves, delicious syrup, attractive wood and distinctive helicopter fruits (samaras). While there are thirteen species native to the U.S., Maryland can claim seven native species. Lean about the ecology and identification of Maryland's native (and a few non-native) maples. **Vanessa Beauchamp** is an Associate Professor in the Department of Biological Sciences at Towson University.

3. NATIVE FERNS IN THE WOODS & GARDEN: THEIR ECOLOGY & ID

Long before the rise of dinosaurs, ferns dominated the landscape - many growing to the size of trees. Their present-day descendants are small, delicate and often overlooked, but under closer inspection ferns provide native plant enthusiasts with many exciting discoveries and challenges. Learn about the ecology, life cycle, basic ID and use of native ferns in the garden. The program includes a walk in Irvine's Woodland Garden and fern spores to grow at home. **Rob**



Ostrich fern
Matteuccia struthiopteris

Mardiney, Irvine's Director of Education for 30 years, has served on the Board of the Maryland Native Plant Society.

4. MAKING JELLIES FROM NATIVE PLANTS

Ever wanted to bottle summer's sweetness? You can! Using Irvine's native purple coneflowers and Maryland's state flower the black-eyed susan, we'll create two delectable jellies that you can eat anytime. You'll learn the water bath method of canning, which you can use at home for making jams, pickles, chutneys are salsas all with touches of native plants. Irvine's Director of Marketing and Owner of Sweetness Follows, **Beth Lacey Gill**, shows you how.

IRVINE NATURE CENTER

Irvine is an environmental education organization. Our mission is to educate and inspire current and future generations to explore, respect and protect nature. Irvine offers a wide variety of programs for children, families and adults, school field trips, teacher workshops, The Nature Preschool, urban education outreach, guest lectures, special events and summer nature camp. We have been supported by our members since we began in 1975.

Please consider becoming an annual member today.

Individual \$50

Family \$75

CORPORATE SPONSORS

Biohabitats

Incorporated



REGISTRATION INFORMATION & PRICING

Friday Evening:

\$40 per person

Saturday Morning:

\$60 per person (includes buffet lunch)

\$30 per full-time student (register online)

Saturday Afternoon Workshop:

\$20 per person

Registrations postmarked by August 1, 2016 will receive a \$5 coupon toward a purchase of \$25 or more from the Irvine Nature Store.

DIRECTIONS

The seminar, workshops and plant sale are all located at Irvine, 11201 Garrison Forest Road. From I-695, take exit 20 (Reisterstown Road) north toward Garrison. Turn right onto Greenspring Valley Road. At the first stop sign, turn left onto Garrison Forest Road. After two miles, Irvine is on the right.

NATIVE PLANT NURSERIES

Enchanter's Garden.....	Hinton, W.V.
Go Native Tree Farms.....	Lancaster, Penn.
Grounds for Nature.....	Berkeley Springs, W.V.
Hill House Farm and Nursery.....	Castleton, Va.
Izel Plants.....	Washington, D.C.
Kollar Nursery.....	Pylesville, Md.
Meadowsweet Native Plant Farm.....	Spring Grove, Penn.
Sylva Native Nursery.....	Glen Rock, Penn.

seminar registration form

Name _____ Company/Institution _____

Street _____ City _____ State _____ Zip _____

Telephone _____ E-mail _____

How did you hear about this seminar?

FRIDAY EVENING (\$40) \$ _____

MORNING (\$60) \$ _____
(includes buffet lunch)

Select one morning breakout session

- Carnivorous Plants in Home & Garden
- Restoration Ecology & the Creation of Sustainable Landscapes
- Invasive Exotic Plants & Urban Forests

AFTERNOON FEE (\$20) \$ _____ *(Optional)*

Select one only

- So You Want to Plant a Tree?
- Meet Maryland's Maples
- Native Ferns in the Woods & Garden
- Making Jellies from Native Plants

MEMBERSHIP TO IRVINE \$ _____ *(Optional)*

- Individual (\$50)
- Family (\$75)

Membership dues help Irvine preserve trails, provide quality animal care and maintain the onsite native gardens.

Total Enclosed \$ _____

- I cannot attend this year, but would like to donate \$ _____ to Irvine Nature Center to ensure that its important programs continue.
- Check enclosed (made payable to Irvine Nature Center).
- Please bill my Visa, Mastercard, American Express or Discover.

Account # _____ Expiration Date _____

Signature _____

Register online or detach this form and mail it with payment to: Irvine Nature Center, Attn: Kimberly Godack, 11201 Garrison Forest Road, Owings Mills, MD 21117

Questions? Contact Courtney at CourtneySagal@ExploreNature.org or 443-738-9224.



11201 Garrison Forest Road
Owings Mills, MD 21117
443-738-9200
www.ExploreNature.org



Shooting star
Dodecatheon amethystinum

