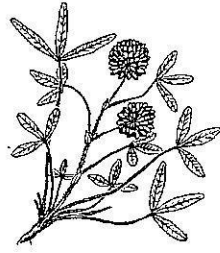


NATIVE



NOTES

Kate's Mountain Clover

Bill Grafton – Editor

Daniel J. Grafton – Assistant Editor

WEST VIRGINIA NATIVE PLANT SOCIETY NEWSLETTER **VOLUME 14: 3** **DECEMBER 2006**

Seasons Greetings!

By the time you are reading this, the Christmas and New Years holidays will be over. And as the snow falls and melts through the winter, botanical enthusiasts turn their thoughts to a more colorful time of the year: Spring!

Last spring the WVNPS Tri-State Chapter started the botanizing season with a field trip to Grayson Lake State Park. Through the course of the summer we visited botanical hotspots in the rich mesic woods around Fort Gay, KY, the oak-hickory forests of Wayne National Forest in Ohio and the oak barrens and rock bluff communities of Lynx Prairie and Buzzard Roost, both Nature Conservancy properties in Adams County, Ohio. We ended the 2006 field season with a spectacular annual meeting and botanizing trip to the Point Pleasant area; home of Mothman and interesting wetland plant communities.

To combat the lack of botanical thrill that may exist in the winter I suggest three remedies.

1) Seek comfort in learning how to identify trees and shrubs in dormant form. The world of leaf scars, vascular bundle scars and false terminals is a fascinating field of study. Not to mention how much your friends and family will be impressed when you tell them, "No, no, no that can't be a walnut tree because walnuts have chambered piths!" A good, cheap reference for starting this endeavor is William Harlow's Fruit Key and Twig Key to Tree and Shrubs published in 1946 by Dover Publications, Inc. Despite its out-dated nomenclature, I find it to be a reliable key with good photos. The best part about it is that you can buy yourself a brand-spankin'-new copy for \$4.95 on the internet!

2) The second remedy I suggest is to seek companionship in fellow botanical confidants at this year's exciting WVNPS lecture series at Marshall University in Huntington, West Virginia. This year's series features talks about orchids, gardening, outdoor recreation and more! Please check out the schedule of talks included in this issue of Native Notes.

3) Explore the newly re-vamped WVNPS website at www.wvnps.org. Jeff Patton has worked tirelessly to update and festoon the website with pictures, new information and exciting links to other exciting botanical websites.

I hope you all had a wonderful holiday season and that you can partake of the above items to get you through the winter. When spring is around the corner, remember to keep your eyes open for postings about WVNPS summer hikes. If you have an idea for a place that would make a good hike, contact your chapter leader to get it booked as a 2007 field trip.

Happy Winter Botanizing,
Chad Kirschbaum, WVNPS President

=====

WINTER LECTURE SERIES – Hosted by: TRI-STATE CHAPTER

Public Welcome! Please join us for a series of talks about plants, gardening, outdoor recreation and more!!!

Effects of Nitrogen Pollution on Plant Diversity
Dr. Frank Gilliam, Marshall University
Thursday, November 16th

Propagation Techniques for Native Plants
Dr. Frank Porter, Porterbrook Native Plants
Thursday, December 7th

Hallucinogenic Plants Used in Healing
Dr. Dan Evans, Marshall University
Wednesday, January 17th

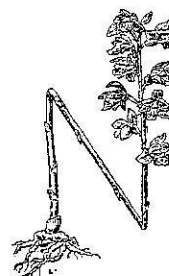
Wayne National Forest: From the Land Nobody
Wanted to Southern Ohio's Unique Natural Treasure
Gloria Chrismer, Wayne National Forest
Thursday, February 15th

Native Orchids of West Virginia and Beyond
Bernie Cyrus
Thursday, March 15th

Each talk will also feature "Botany on the Web: Useful websites for E-Botanizing: By Forest Service botanist Chad Kirschbaum

Join us: 6:30 – 7:30 P.M.

Science Hall – Room 376
Marshall University



Hexalectris spicata
Crested coralroot



Cannabis sativa
Hemp or Marijuana

Annual membership meeting

The Annual Membership meeting was held in Point Pleasant at the Lowe Hotel on the evening of September 23, 2006. Chad Kirshbaum presided.

The following items were discussed and actions agreed to by the members, are listed.

- Decided we would write a letter to WV legislators in support of adding new invasive plants to the Noxious Weed law. Lawrence Beckerle will draft the letter.
- Decided to write and distribute a press release for the upcoming 25th Anniversary of the WV Native Plant Society. Mary Sansom and Lois Kuhl will lead this effort.

Editor's Note: I hope many of you have seen these releases. Please let me know, so a summary can be included in the Spring newsletter.

- Decided to write a "History of Botany in West Virginia" to be posted on our website. Action: Bill Grafton has written 2 drafts and the final version should be written by January 10th.
- Decided to post the "worst of the worst" invasive plant list on the WVNPS website. Lawrence Beckerle will send this to Jeff Patton for posting.
- Successfully elected new officers and Board of Trustee members.
- The money from the disbanded Eastern Panhandle Chapter will be invested in a Certificate of Deposit which could be partially or entirely returned to a future chapter that might be formed in the Eastern Panhandle.
- Decided to send all members an insert (enclosed in this newsletter) that includes the **2007 dues notice and the option to receive newsletter and other information by either email or US Postal Service**. Please make your choice and return to Steve Mace.
- Voted to donate \$250 total to the herbaria at WVU & Marshall University. Also voted to donate \$100 to help build a "botany" kiosk along the Monongahela River Rail Trail in Morgantown.
- Frank Porter, owner of Porterbrook Nursery in Racine, Ohio, offered to present a propagation workshop and field trip for a future WVNPS meeting.
- Will investigate participation in a newly formed Cooperative Weed Management Area (CWMA) in Ohio and a potential CWMA in West Virginia.
- Will plan a Bryophyte Workshop in conjunction with the January 20, Board meeting to be held in Charleston, WV.
- The Tri-State Chapter will organize another lecture series at Marshall University for Nov. 2006 – March 2007. Note: Two of the workshops have been held already **but there are 3 more to come**.

January 20, 2007 Bryophyte Workshop and Board of Trustees Meeting

The workshop can accommodate 15 people and will start at 9:30 am and end at 2:30 pm
Instructor: Ray Showman, Ohio Lichen All-star – co-author of Lichens of Ohio.

Chad Kirschbaum (email: ckirschbaum@fs.fed.us) is the contact to register and get more details.

The board meeting will be from 3-6 pm and all are welcome!!

Tri-State Field Trips for 2006

What an interesting group of plants the Tri-State Chapter saw during 2006. If you live close to the area you really should go on the trips. Listed below are some of the rare or interesting plants you missed this year. Don't let it happen in 2007. Join in the fun!!

Trip 1: Mills Creek near Fort Gay, WV on May 6, 2006

List compiled by Jeff Patton

Green dragon	Walking fern	Cynthia
Twinleaf	Wild comfrey	Filmy fern
Giant chickweed	Veiny skullcap	False mermaidweed
Cranefly orchid	Yellow lady's slipper	Bloodroot
Celandine poppy	Greek valerian	Goldenseal
Long-flowered Heuchera		



Tipularia discolor
Cranefly Orchid

Trip 2: Binion Branch on Wayne National Forest, Ohio on June 3, 2006

List compiled by Jeff Patton

Southern water-plantain	Fox grape
Spreading dogbane	Wild cucumber



Rhamnus caroliniana
Carolina buckthorn

Young's Branch on Wayne NF, Ohio 6/3/06

American beak grass	American ipecac
Fire cherry	Climbing prairie rose
Narrowleaf cattail	Sweet low blueberry

Trip 3: Buzzard's Roost (BR) and Lynx Prairie (LP) ; Adams Co., Ohio 8/5/06

List compiled by Jeff Patton

Note: Ohio "State listed plants" followed by (E) Endangered, (T) Threatened or (P) Protected

Texas sandwort –BR (P)	American aloe –LP (P)
Green milkweed – LP (P)	Shale barren aster – BR (T)
Blue-hearts – LP (T)	Flat-stemmed spikerush – LP (T)
Rattlesnake master – LP (P)	Hairy milk pea – LP (T)
Western sunflower – LP (T)	Crested coral-root – LP (T)
Cylindrical Blazing Star – BR (T)	Scaly Blazing Star – LP (P)
Angle-pod – LP (P)	Plains Muhlenbergia – BR (E)
Few-flowered Nut-rush – LP (T)	Southern Blackhaw – LP (T)
Whorled milkweed – BR, LP	Side Oats gramma – BR
Bristle-leaved sedge – BR, LP	Mullein Foxglove – BR
Stiff-haired sunflower – LP	Green violet – BR
Goldenseal – BR	False boneset – BR, LP
Carolina buckthorn – BR	Prairie rose – BR
Cup-plant – LP	Prairie dock – LP
White blue-eyed grass – LP	Stiff goldenrod – LP



Asclepias verticillata
Whorled milkweed

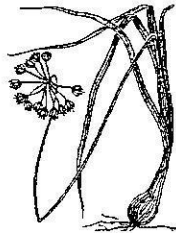
PLAN NOW FOR YOUR SPRING PLANTING

Spring is not “just around the corner”, but it is time to plan what your needs will be for those warmer days of April and May when we like to dig in the soil. It might even help you to get on the web sites of our native plant nurseries. See what they have listed and get your plant list together. Some of the nurseries have catalogs that you can request and be sure to share with you friends, kin folk, and fellow native plant enthusiasts.

Listed below are some sources of native plants for our area. If you know of others, please let me know so we can compile a complete list for the spring issue of Native Notes.

Doyle Farm Nursery
158 Norris Road
Delta, PA 17314
Phone/FAX : 717 862-3134
Email: jld@doylefarm.com
Web site: doylefarm.com

Doyle Farm Nursery specializes in native perennial grasses and herbs. They have a large variety of plants to choose from. All plants are grown outside so they do not have to acclimatize when first planted.



Allium cernuum
Wild onion



Coreopsis verticillata
Whorled tickseed

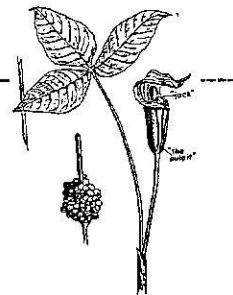
Located in York County Pennsylvania. Plants are high quality and most are sold in “pots” that are quart or gallon size. They will ship but it is cheaper to pick up gallon size containers at the nursery. Prices are generally \$5-6 for quart size and \$8-13 for gallon size.

Note: Emily ordered several plants last year and had excellent results.

Elk Ridge Nature Works, LLC
Ron Boyer & Liz McDowell
Phone: 301 895-3686
Email: info@elkridgenatureworks.com
Web site : elkridgenatureworks.com



Actaea pachypoda
Doll's eyes



Arisaema triphyllum
Jack-in-the-pulpit

A very nice selection of native plants grown on site in Garrett County in western Maryland. Ron and Liz are very helpful and have a nice selection of Mid-Appalachian wildflowers, grasses and rushes. You can purchase the plants at the nursery (by appointment), at local festivals & farmers markets, as well as, several plant events in the Mid-Atlantic region.

Note: We have bought plants from Ron and Liz and found them to be vigorous and hardy.

Enchanter's Garden
Peter Heus
HC 77, Box 108
Hinton, WV 25951
Phone- FAX: 304 466-3154



Mitella diphylla
Bishop's cap



Polemonium reptans
Greek valerian

Enchanter's Garden offers a wide variety of wildflowers, grasses, sedges and about 30 trees/shrubs. Most plants are in quart size containers. A listing of plants by common & scientific names and the prices, can be mailed to customers. To buy plants you need to make an appointment and visit the nursery. Plants are no longer sold by mail order as they were a few years ago.

Note: I have bought plants from Peter several times and always found them to be high quality and quite vigorous.

Porterbrook Native Plants
Dr. Frank Porter
49607 St. Rt. 124
Racine, OH 45771
Phone: 740 247-4565
Email: info@porterbrooknativeplants.com
Web site: porterbrooknativeplants.com



Dodecatheon meadia
Shooting star



Baptisia tinctoria
Wild yellow indigo

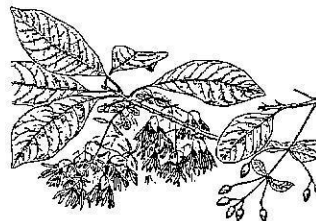
We gladly accept small online orders from those unable to visit the nursery. Unless otherwise stated, all plants cost \$5.00 each plus the actual cost of postage. Plants will be sent via USPS. You can pay by personal check or money order made out to Frank W. Porter.

The web site lists several hundred wildflowers, sedges, grasses, etc. With descriptions of foliage, flowers, height, hardiness zones, sun/shade preference and other useful information. If you have questions email: info@porterbrooknativeplants.com
There is also a page on rock gardens and a note that Frank sells many native trees and shrubs that are not listed on the web site.

Sylva Native Nursery and Seed Co.
Mike Hollins – President
3815 Roser Road
Glen Rock, PA 17327
Phone: 717 227-0486
FAX: 717 227-0484
Email: sylvanat@aol.com



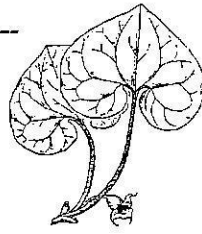
Ilex verticillata
Winterberry



Chionanthus virginicus
Fringetree

Sells a wide variety of seed mixes, seedlings and tublings of wildflowers/herbs, trees and shrubs. Excellent selections of wetland species. Mike often collects seed and material from West Virginia.

Sunshine Farm and Gardens
HC 67 Box 539B
Renick, WV 24966
Phone: 304 497-2208
Email: barry@sunfarm.com
Web site: sunfarm.com



Asarum canadense
Wild ginger



Spiranthes cernua
Nodding ladies' tresses

Barry Glick is the owner, brains and energy behind Sunshine Farm and Gardens that grows over 10,000 perennials, bulbs, trees, shrubs, sedges, wildflowers and specializes in hellebores. This nursery is primarily wholesale but offers limited mail order to home gardeners where they have no established retailers. No one else in our area offers as many plant species.

The web site is very interesting, colorful and loaded with nice information. Barry offers tours, workshops and lectures to groups.

Windbeam Way Nursery
Doug Jolley
PO Box 37
Heaters, WV 26627
Phone: 304 765-2608
Email: aplectrumwv@yahoo.com



Rhododendron roseum
Rose azalea



Rhododendron arborescens
White honeysuckle

Windbeam Way Nursery offers a selection of all indigenous native azaleas to the eastern US. Native rhododendrons and other ericaceous (heath) plants are available. The nursery also offers perennials, shrubs and trees which are attractive to backyard birds and butterfly gardens. A one-acre display garden, showcases mature specimens of much of what is for sale. Group garden tours and presentations to organizations are arranged by appointment. The nursery is open Fridays thru Mondays during April, May, and June. Visitors should call in advance.

CONGRATULATIONS TO WVNPS MEMBERS BARRY GLICK, DOUG WOOD & DONNA FORD-WERTZ

Barry Glick was featured in the Sunday Gazette-Mail on October 29, 2006. The article was entitled, "Mountain Crop – Greenbrier Man Ships Plants Around the World". Barry has been an active member since WVNPS was rejuvenated in the 1980s. The article recognizes Barry as a plant expert who breeds, hybridizes, patents, writes, lectures and sell plants. His nursery is located on 15 acres of mostly steep forests. Here he and the local folks he hires grow as many as 10,000 species of plants that are sent by mail order around the world. Barry specializes in hellebores that have fantastic foliage that is not eaten by deer.

Barry came to West Virginia from Philadelphia in 1972 and with a brother started a hot tub business near Renick. Look at the web site for Sunshine Farm and Gardens

(sunfarm.com) and you will see why Barry is very deserving of such a nice article with 4 color photographs.

Doug Wood was in Morgantown and his serious face graced the front cover of The Daily Athenaeum (WVU student newspaper) on November 8, 2006. Doug was part of the "Mountaineer Week" festivities. He portrayed Mankiller Ostenaco, a famous Cherokee war captain, in his determination to help keep the Cherokee culture alive and let all of us know how that culture influences us today.

Doug graduated from WVU in 1977 and works for the WV Department of Environmental Protection.

He and his wife, Diane Anestis, have given many programs over the years to promote a better understanding of the American Indians. Diane is an expert on native American's use of plants for medicine.

Donna Ford-Werntz is curator of the WVU Herbarium, the largest collection of preserved plant specimens in the state, and will be part of a National Science Foundation funded project to create an online plant collections network. The SouthEast Regional Network of Expertise and Collections is a five-year, \$498,00 project that will enable botanists and others to access pressed plant collections (Herbaria) and information within a 15-state region. It's called the Research Coordination Network, and its idea is to make biological information easily available for students, teachers and researchers.

WEBSITES

http://www.na.fs.fed.us/fhnp/invasive_plants/

This US Forest Service website has excellent information on invasive plants in the Northeastern United States.

<http://www.fs.fed.us/wildflowers>

This website is the "Celebrating Wildflowers" site that has a tremendous amount of information. Larry Stritch, former WV Board member has been very instrumental in getting this excellent resource available for us to use.

www.wvnps.org

This is our very own website. Jeff Patton has really turned this into an excellent resource that we can be proud of. Check it out!!!!!!

<http://plants.usda.gov/>

This site is loaded with photos, illustrations, range maps and much, much more.

WHY HAVE A FLORA ATLAS

The old West Virginia flora atlas was a list of counties in which a specific plant was known to occur. It is now a series of West Virginia maps (a map for each plant) with each county outlined. Symbols of a circle or a dot are used to indicate the plant has been officially collected from that county and is located in a herbarium.

The circle indicates the plant is an historical record collected prior to 1977.

The dot indicates the plant collection has been between 1977 and the present.

The WV Checklist & Atlas is finally printed and is being distributed to reviewers and agency people who will use it the most. A second printing is being planned and will be sold to those who wish to purchase copies.

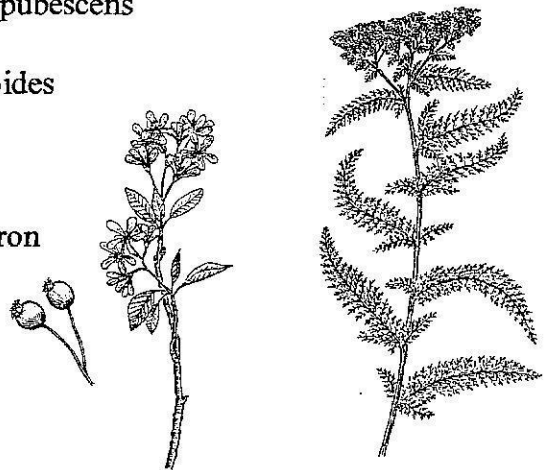
Why have an atlas?? As of January 2006, only 4 plants had been collected in all 55 counties based on records at WVU, Youngstown State U., Carnegie Museum, Davis & Elkins College, and a small number of plants inventoried at Marshall U. By the end of 2006, there are 13 plant species that have been collected in all counties. This happened because we can now look at a map and easily see what counties are blank.

The original 4 species collected in all 55 counties were:

- Common serviceberry – *Amelanchier arborea*
- Downy rattlesnake plantain – *Goodyera pubescens*
- Oxeye Daisy – *Leucanthemum vulgare*
- Christmas fern – *Polystichum acrostichoides*

The 9 new species added in 2006 are:

- Yarrow – *Achillea millefolium*
- Ebony spleenwort – *Asplenium platyneuron*
- Flowering dogwood – *Cornus florida*
- Wild carrot – *Daucus carota*
- Autumn olive – *Elaeagnus umbellata*
- Spicebush – *Lindera benzoin*
- Sassafras – *Sassafras albidum*
- Stonecrop – *Sedum ternatum*
- Coltsfoot – *Tussilago farfara*



Amelanchier arborea
Common serviceberry

Achillea millefolium
Yarrow

Another very nice feature of the Atlas is you can, **at a glance**, see if a plant occurs statewide, is rare or occurs in a specific area of the state.

By the time you get this Native Notes, DNR should know if there are any copies for sale and what the price will be. For availability information, contact

Janet Iseli

Wildlife Diversity Program, Natural Heritage Group

WV Division of Natural Resources

PO Box 67, Ward Road

Elkins, WV 26241

Phone: 304 637-0245

Email: janetiseli@wvdnr.gov



Silene rotundifolia
Roundleaf catchfly

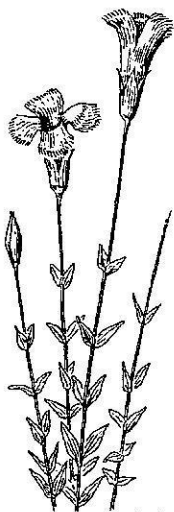
MORE INTERESTING ATLAS INFORMATION

There are 316 species that are found in only 1 county.

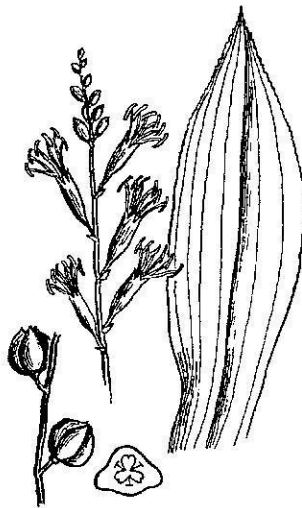
- 199 of these are Native or Adventive (have moved into WV without human help).
- 117 species are either Introduced by people or are Exotics.

Listed below are 20 of the 316 that have fairly showy flowers that are Native or Adventive and the one county where it has been found. If you live in or take field trip into this county, watch for the plant. It might also be growing in adjacent counties. Any new sites would be really neat finds to add to the Atlas.

- | | |
|--|----------------|
| 1. Fringed gentian – <i>Gentianopsis crinita</i> | N – Greenbrier |
| 2. Blue-head Gily-flower – <i>Gilia capitata</i> | N – Hampshire |
| 3. Frostweed – <i>Helianthemum propinquum</i> | N – Nicholas |
| 4. St. John's-wort - <i>Hypericum ascyron</i> | A – Pleasants |
| 5. Disguised St. John's-wort – <i>Hypericum dissimulatum</i> | N – Barbour |
| 6. Sheep laurel – <i>Kalmia angustifolia</i> | N – Randolph |
| 7. Dwarf dandelion – <i>Krigia caespitosa</i> | A – Kanawha |
| 8. Few-flower gayfeathers - <i>Liatris pauciflora</i> | N – Fayette |
| 9. Spherical gayfeathers – <i>Liatris spherioidea</i> | N – Ritchie |
| 10. Blazing star – <i>Liatris squarrosa</i> | A – Cabell |
| 11. False aloe - <i>Manfreda virginica</i> | N – Wayne |
| 12. Englemann's adder's tongue – <i>Ophioglossum englemannii</i> | N – Hardy |
| 13. Brook cinquefoil - <i>Potentilla rivalis</i> | N – Kanawha |
| 14. Dwarf chinquapin oak – <i>Quercus prinoides</i> | N – Greenbrier |
| 15. Prairie coneflower - <i>Ratibida columnifera</i> | A – Wood |
| 16. White blue-eyed grass – <i>Sisyrinchium albidum</i> | N – Grant |
| 17. Northern stitchwort – <i>Stellaria borealis</i> | N – Tucker |
| 18. Blue-Ridge Buckbean – <i>Thermopsis</i> | A – Wyoming |
| 19. Dwarf trillium – <i>Trillium pusillum</i> | N – Pendleton |
| 20. Virginia chain fern – <i>Woodwardia virginica</i> | N - Fayette |



Gentiana crinita
Fringed gentian



Manfreda virginica
False aloe

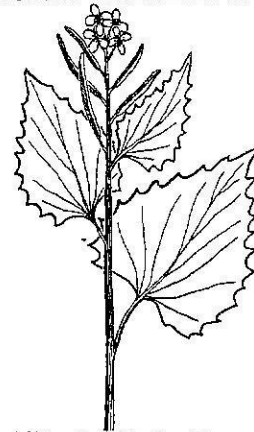


Liatris squarrosa
Blazing star

??? WHAT DO YOU WANT FOR YOUR \$12 DUES ???

An open discussion at the end of the Annual Membership meeting concentrated on what priority activities each member wanted to see our WVNPS get involved with in 2007. Below is a list from the highest (1st) down to the tenth.

1. Field trips
2. Protect rare plants
3. Hold workshops
4. Deal with reclamation using native plants
5. Provide info on native plants for home gardeners
6. Establish or maintain native plants on roadsides
7. Educate the general public about native plants
8. Exotic invasive plants
9. Collect and propagate seeds of native plants
10. Socialize with souls of a kindred philosophy



Alliaria officinalis
Garlic mustard

Do these priorities agree with you!! They **ARE NOT** cut in stone. Let your officers or Board members hear from you by conversation, email, phone call, or letter. If none of these work, “pull on the proverbial grapevine”. We can and will change priorities if several of you want something different to happen. **Most of all, we would sincerely enjoy hearing from you!!!!**

WORST OF THE WORST VS USFS “TOP TEN PLUS LIST

The US Forest Service completed a questionnaire survey in 2005 of the Northeastern US that includes West Virginia to determine top invasive plant species of forest lands. The forest Service list includes 15 invasive plants compared to our 27 “worst of the worst” list and includes 2 plants that we do not have on our WVNPS list. These 2 invasive species are: Common buckthorn – *Rhamnus cathartica* (known from only 1 WV county)
- Giant Hogweed – *Heracleum mantegazzianum* (not in WV)

The other plants on the Forest Service list are:

Norway maple	Tree of Heaven
Garlic mustard	Japanese barberry
Oriental bittersweet	Japanese knotweed
Amur honeysuckle	Japanese honeysuckle
Kudzu	Japanese stilt grass
Multiflora rose	Autumn olive
Mile-a-minute	



Polygonum cuspidatum
Japanese knotweed

MEMBERSHIP REGISTRATION: Please sign me up as a WVNPS member!!

Name(s): _____

Address: _____

Phone (Home) _____ Work _____

Email _____

Membership dues: Paid by calendar year (Jan. 1 – Dec. 31)

_____ Regular membership \$12 (includes all members of a household)

_____ Student membership \$ 8 (any student college age or below)

_____ Life membership \$200

Chapter membership is optional

_____ \$6 Tri-State (Huntington area) _____ \$6 Kanawha Valley NPS (Charleston area)

***** You must be a statewide WVNPS member in order to join a local chapter.**

Mail all dues to: Steve Mace

PO Box 808

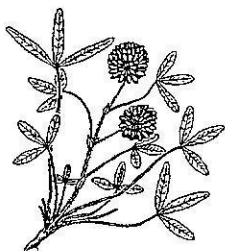
New Haven, WV 25265-0808



WV NATIVE PLANT SOCIETY

PO BOX 808

NEW HAVEN, WV 25265-0808



JUDI & DAN WHITE

22 WELLESLEY DRIVE

WASHINGTON WV 26181-9665