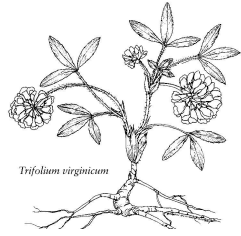


## NATIVE



Kate's Mountain Clover

## NOTES

WEST VIRGINIA NATIVE PLANT SOCIETY NEWSLETTER

VOLUME 23:3

WINTER/ SPRING 2016

Judy Dumke-Editor: E-mail-dumke@live.marshall.edu Phone 740-894-6859

Contents	
	Page
Workshop	
Herbarium visit	1-2
Herbaria	3
WVNPS in the field	4
Coming Events	5
People and pleas	6
Membership news	7
Events of Interest	
Membership form	8

❖ ❖ ❖ visit us at [www.wvnps.org](http://www.wvnps.org) ❖ ❖ ❖

## HERBARIUM WORKSHOP

The Value of Herbaria and How to Collect, Dry, Label, and Mount Plant Specimens

MARCH 26, 2016

West Virginia Wesleyan College, Buckhannon WV

### Schedule for the day:

11:00 A.M. board meeting

12:00-1:00 PM lunch buffet on campus cost \$7.55

1:00-3:30 PM talk and workshop led by Dr. Kathy Gregg

Directions: From route 33 from either Weston or Elkins, take the Route 20 exit and turn south into Buckhannon. Continue on route 20 going south for a mile or so. At the McDonald's intersection, turn left onto College Avenue. Take College Avenue for 3-4 blocks until you reach the College property where you will see a main entrance sign across from the intersection with Meade Street. Turn right onto Meade Street and continue until you reach the T-intersection with Camden Avenue. Turn left onto Camden Avenue, then take the next right that will take you past a large parking lot behind the Camden Avenue dormitories on your left. The new Dunn Hall will be on the right as you turn. Continue until you reach a large open parking area where anyone can park. After parking, walk back between the Camden Avenue apartments, or to their left. Cross Camden Avenue (a boulevard with central tree-planted

area) and take the sidewalk to the right of the new fountain. This sidewalk will take you past the dining hall, student center, and Rockefeller Gym on the right and then up to the Christopher Hall of Science, with its new Reemsnyder research wing. Enter the door of the old building, and go up to the second floor.

The meeting and talk will be held in room 217 of Christopher Hall Of Science. Kathy Gregg's office is 219. Her office phone (with answering machine) is 304-473-8124 for questions on the day of the meeting. For questions prior to the meeting or early on the 26<sup>th</sup>, call (304-472-4055) home phone with answering machine. Or you may email Kathy at [gregg@wwvc.edu](mailto:gregg@wwvc.edu). The workshop will be held in the herbarium workroom, Christopher 214.

The **talk** will include information about the uses and importance of herbaria in general, numerous reasons why herbaria are critical for helping us to understand and conserve native flora, a bit of history about the Rossbach Herbarium and a demonstration of our current digitization and imaging project that to date has put over 10,000 specimens online, available 24/7.

The **workshop** will be a demonstration of how to collect, press, mount, and label specimens, with an opportunity for everyone to mount one or two specimens. If you already have some pressed, dried specimens, you can bring them, mount them, and then take them home. Some mounted specimens are pretty enough to frame! For those who don't have any ready-to-mount specimens, Kathy plans to have some evergreens or very, very early spring ephemerals dried and pressed so that folks will have some specimens to mount and take home. Also available for mounting will be some collections from a few local spots that will then be added to the herbarium's collection. Herbarium paper, glue and tape will be provided.

After the workshop, participants may tour Wesleyan's rooftop greenhouse, and/or Kathy Gregg's personal greenhouse a few blocks away.

### Possible field trip Sunday Morning

There is a possibility of a local field trip Sunday morning for those interested and staying overnight. Kathy and her husband have property about 30 minutes away in southern Upshur County that has a pond, meadows, little creeks, ravine, ridge and several different forest communities. Yes, it'll be really early in the spring but we're bound to find a few things: lycopods, mosses, winter orchid leaves and seed pods, etc. Those interested should get in touch with Kathy (email address on page 1) so she can arrange an email group to discuss the possibilities further.

### All about Kathy

Dr. Gregg is Professor Emerita of Biology after having taught at West Virginia Wesleyan College for 37 years. She is currently Curator of the George B. Rossbach Herbarium and Director of the Greenhouse. She earned her B. A. Degree from Emory University and a Ph.D. in Biology for the University of Miami, Coral Gables, FL. Her course specialities were Plant Systematics, Microbiology, and Experimental Biology, and co-leading numerous tropical ecology study courses in Jamaica, Belize, and the Peruvian Amazon. Long interested in the biology of orchids, she has published 20 scientific articles in peer-reviewed journals

and has presented her work at international, national and regional meetings. Her orchid research has contributed to the management of the orchid populations in West Virginia on the Monongahela National Forest, and in the Canaan Valley State Park; in The Nature Conservancy's Green Swamp Preserve, North Carolina; as well as at the Morningside Nature Center, Gainesville, Florida. She continues to explore reproductive and population biology of orchids, and has recently co-authored a floristic study of a species-rich meadow in Barbour County ["The Flora of Beavers' Meadow, Barbour County, West Virginia, revisited after a Quarter Century", *Castanea* 80(2) 130-143, 2015]. With a grant from WV's Higher Education Policy Commission Division of Science and Research, she is data-basing and imaging the 25,000+ specimens in the Rossbach Herbarium.

(Editor's note the issue of *Castanea* mentioned above also included a color cover photograph from Kathy's garden, but not of an orchid.)

To access the material from the herbarium that has already been prepared for the web see:  
<http://cdm16111.contentdm.oclc.org/cdm/landingpage/collection/p15135coll5> ❀



Kathy in the herbarium

# From the Herbaria

Put your money where your mouth is has always been a statement that rings true. Your WVNPS clearly believes it is true. For the last several years the board and members have made modest contributions to four of the functioning herbaria (plural of herbarium) in West Virginia. At a time when competition for funds and space in the academic world is ever increasing, any indication that there is public support for herbaria carries an impact beyond the initial financial donation. Donation of specimens and time are also indicators that the herbaria are not fossils left over from the Victorian age; however money seems to speak louder. I July 2015 *Nature* ran a News Article <http://www.nature.com/news/plant-collections-left-in-the-cold-by-cuts-1.17875> which detailed the closing of the University of Missouri herbarium and the transfer of the specimens to the Missouri Botanical Garden. In the course of the article they mentioned that since 1997 over 100 herbaria have closed, leaving just over 600 in the US. Our contributions help to keep four of those 600 in place. Below you will find acknowledgments from the curators of the herbaria that received funds after the fall 2016 annual meeting.



We are grateful for any gift. As the university tightens purse strings more and more, these donations become more critical to the basic working of the herbarium.

We've been busy! We have been digitizing the collection since February. I have a nice army of undergraduate Federal Work Study students who have become expert photographers, and have been working through the collection at a good pace. Our project 'portal' is here: <http://serneportal.org/portal/> , where you can search the collection for imaged specimens. We've done about 9,000 so far, mostly in the ferns, gymnosperms, and earliest-evolving flowering plants. The grant we have bought the imaging equipment and student salaries, but no curatorial materials—so, the WVNPS' donation will be put to excellent use.

In the spring, I'll teach taxonomy again, and the students will take a stab at some digitization, but also work on educational material (signage, brochures, docs to help novices navigate, etc...) for the herbarium. Late spring or early summer might be a good time to get WVNPS members over to see the herbarium

Stay in touch!

Gillespie, Emily <mailto:gillespie@marshall.edu>



I received the check for the Rossbach Herbarium and am again very grateful for the continued support of the WVNPS. I will probably purchase more mounting tape and genus folders. Rossbach filled his folders too full and as we go through the collection data-basing and imaging, I am trying to divide up the sheets into additional folders to avoid the crush of those **that are too full. Again, thanks so much!**

*Katharine B. Gregg, Professor of Biology, Emerita  
Curator, George B. Rossbach Herbarium  
West Virginia Wesleyan College*



I greatly appreciate the support of the WVNPS of my efforts on behalf of WV bryophytes over the years. It means a lot, as it is money clearly designated for the bryophytes & lichens so I should be able to spend it without problems on essential supplies such as archival boxes.

*Susan Moyle Studlar, Ph. D.  
Visiting Associate Professor of Biology  
Department of Biology, Box 6057  
West Virginia University  
Morgantown, WV 26506-6057*



Thank you to the WVNPS for the ongoing support: this donation provides material not funded by grants.

Contributions are vital for herbarium curatorial work!  
*Donna Ford-Wertz, Herbarium Curator  
Associate Clinical Professor  
Biology Dept., Box 6057  
Life Sci. Bldg., 53 Campus Dr.  
West Virginia Univ.  
Morgantown, WV 26506  
[biology.wvu.edu](http://biology.wvu.edu)*





## Here's where WVNPS members went

### Winter Workshops on Trees

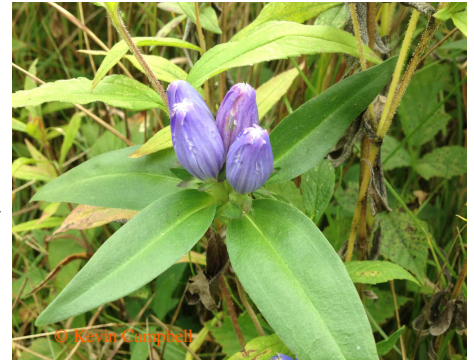
The Eastern Panhandle Chapter has been pursuing the woody plants under the guidance of Rodney Dever. There were two tree walks, 31 October and 3 November 2015 with a total of 28 participants. As a result four workshops were held in February at Shepherdstown University on winter tree identification with a total attendance of 73..

Two weeks later Romie Hughart led a winter twig and tree identification workshop at Beech Fork State Park, providing a copy of his guide to trees to all participants.

### Greenbrier County Fall Field Trip

On September 12<sup>th</sup> and 13<sup>th</sup> the members of the West Virginia Native Plant Society explored five locations in Greenbrier County WV. It was a productive two days yielding nineteen county records and updating many more.

The 19 were: Blue Monkshood *Aconitum uncinatum*; Broomsedge, *Andropogon virginicus*; Hedge bindweed, *Calystegia sepium*; Black Knapweed, *Centaurea nigra*; Sandvine, *Cynachum laeve*; Woodland Sunflower, *Helianthus divaricata*; Hirsute sunflower, *H. hirsutus*; Pale-leaved Sunflower, *H. strumosus*; Wild Lettuce *Lactuca canadensis*; Trailing Bushclover, *Lespedeza procumbens*; Whorled loosestrife, *Lysimachia lanceolata*; Moneywort, *L. nummularia*; Long Beech Fern, *Phegopteris connectilis*; Dwarf Plantain, *Plantago virginica*; Post Oak, *Quercus stellata*; Pinxter flower *Rhododendron pericymenoides*; Hairy Skullcap, *Scutellaria elliptica* var. *elliptica*; Grassleaf Ladies Tresses, *Spiranthes vernalis*; Eastern poison ivy *Toxicodendron radicans* ssp. *negunda*.



Seventeen of the species were species which are tracked because they are considered to be rare in West Virginia. Closed Gentian *Gentiana clausa*

Bluntlobe Grape Fern, *Botrychium oneidense*; Whitehaired Leatherflower, *Clematis albicoma*; Sundew, *Drosera rotundifolia*; Yellow Buckwheat, *Eriogonum allenii*; Black Ash, *Fraxinus nigra*; Butternut, *Juglans cinerea*; Swamp Lousewort, *Pedicularis lanceolata*; Mountain Fetterbush, *Pieris floribunda*; Water Smartweed; *Polygonum amphibium*; Glaucous Willow, *Salix discolor*; Heart-leaved Skullcap, *Scutellaria ovata* ssp. *rugosa*; Rock Skullcap, *S. saxitalis*; Rosinweed, *Silphium compositum*; Ladies Tresses, *Spiranthes vernalis*; Canada yew, *Taxus canadensis*; Downey Arrowwood *Viburnum rafinesquianum*;



Yellow Sneezeweed *Helenium autumnale*

Both Grassleaf Ladies' Tresses', *Spiranthes vernalis* and Hairy Skullcap, *Scutellaria elliptica* var. *elliptica* appear both as county records and as tracked species. This suggests that information on tracked species is fairly comprehensive. Other county records continue to reveal that the missing plants may be quite common, but overlooked.

Judi White and Kevin Campbell assembled and submitted the list for this report, for which they deserve recognition and appreciation. The full list may be found at: <http://www.wvnps.org/015-09-12greenbrier.pdf> ❀

# Events to Come

Because the registration for the Webster County Nature Tour might fill, early information is being included with this Native Notes. A copy of the brochure will be found with the e-mail version and for those with print copies it may be found on the web site.

**May 13-15 Webster County Nature Tour.** The WVNPS plans to attend this event. A board meeting, is proposed for 5:00 P.M. on Saturday (5/14/16). The walks, should be over about 3:30 PM. Dinner starts at 6:00 PM

Plan to enjoy spring in the beautiful hills of Webster County, WV. Held annually the first weekend of May, the Webster County Nature Tour is put on by the Webster Springs Garden Club. You can explore wildflowers, native wildlife and other wonders of nature. Walking and driving tours of scenic areas of Webster County are conducted, along with evening entertainment. The weekend activity is centered at Camp Caesar.



Elk Mountain on one of the Tours

Lodging is in rustic cabins and all meals, tours and entertainment are included. Participants are advised to bring warm clothing, sturdy hiking shoes, a sleeping bag or sheets and blankets, pillow, towels, washcloth and rain gear and camera. Cost is \$125 per person, which includes five meals, two nights lodging, nightly program/entertainment and your choice of tours. Additional options for partial participation exist.

For additional information regarding the nature tour please call Camp Caesar at 304 226-3888 or call Garden Club representatives Brenda Rule at 304 847-7648 or Linda Carpenter at 304 847-2467, email [teddybear.jasmine@yahoo.com](mailto:teddybear.jasmine@yahoo.com).

For those who do not want to stay at Camp Caesar-- there is the Mineral Springs Hotel in Webster Springs (304-847-5305). This hotel is 20 minutes away. There are three or four hotels in Summersville which are forty minutes away.

.Kevin Campbell  
2311 Ohio Avenue  
Parkersburg, WV 26101

304-420-4635 land 304-488-3524 cell



## Tri State Chapter

On May 7 the chapter will visit Cabwaylingo State Park (Forest) in Wayne County WV. The tour will start at 9AM. For information and directions contact: Romie Hughart (304) 523-1049 or [romie5006@yahoo.com](mailto:romie5006@yahoo.com)



Cabwaylingo State Forest cliff

## Eastern Panhandle Chapter

**April 10** Spring ephemeral walk at Yankauer Nature Preserve in Berkeley County, WV, on Whiting's Neck Road. Meet Sunday April 10th at 10 a.m. in the pavilion near the entrance.

<https://www.google.com/maps/d/viewer?mid=zg84vuMHqD-s.kzA5tmtnNzJI&msa=0&hl=en&ie=UTF8&t=h&ll=39.500762,-77.850044&spn=0.007451,0.013711&z=16&source=embed>

**April 13** Spring ephemeral walk will be at Ferry Hill Plantation. Meet 10 a.m. along the C&O Canal below the Route 34, Rumsey, Bridge across from Shepherdstown, on the Maryland side of the river. Parking may be available in the small parking lot near Route 34, Rumsey Bridge.

<https://www.google.com/maps/dir//39.433927,-77.795512/@39.433927,-77.795512,17z?hl=en> Otherwise, parking is also available in a large parking lot on Canal Road near the railroad trestle. In that case, just park and walk the Canal towpath back to the Route 34, Rumsey Bridge <https://www.google.com/maps/dir//39.433927,-77.795512/@39.433927,-77.795512,17z?hl=en>

Rodney Dever [rodneydever@virginia.edu](mailto:rodneydever@virginia.edu)

(304) 676 7438



# People and Pleas

## Thank You

At the fall 2015 annual meeting two long serving members completed their terms of service. The WVNPS is grateful for the years of help and encouragement they have provided.

Donna Ford-Werntz served a director, she has been a faithful attendee at meetings and provided information on the species to be likely to be encountered and recorded at the sites. Always reliable, if she said she would do something, she did.

Romie Hughart served as president and then as past president. He will continue to be the liaison with the tri-state chapter where he organizes the yearly schedule, field trips, going to places of high botanical interest.

Kevin Campbell has agreed to serve on the board as director starting a three year term after the annual meeting. Kevin has organized the field trips for the last few years. All the members who have taken any of the trips realize the merit of the selections but they may not realize the many hours he has put into the arrangements. Welcome to the board Kevin. ❀

Elizabeth Byers has been busy, several months ago she sent the following;

I am just back from 2 and a half months in Nepal, immersing myself in Himalayan flora for the book I am writing (Flowers of Mount Everest National Park), and also helping with earthquake relief and forming part of a volunteer scientific team that is assessing the safety of unstable glacial lakes. It is wonderful to have a half-time position with the state so that I can pursue these other directions, which formed such an important part of my early career and life. ❀

## Now the Pleas

Reports and photos of algae blooms in the drainage of the Potomac River are needed. For further details on the available app contact: [GMSelckmann@icprb.org](mailto:GMSelckmann@icprb.org).

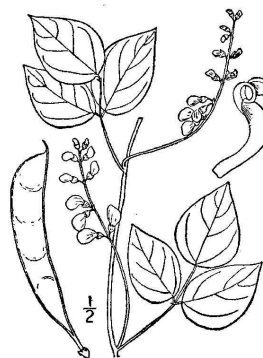
To see results of a WV report go to: [http://www.potomacriver.org/wp-content/uploads/2014/12/ICP14-1\\_Griggs1.pdf](http://www.potomacriver.org/wp-content/uploads/2014/12/ICP14-1_Griggs1.pdf)

## In the News

Several members were mentioned in the March 2016 issue of *Wonderful West Virginia*. Susan Studlar was featured in an article on lichens, entitled "Brave Pioneers". The very next article was "A Rare Joy" which featured the wetlands of WV and relied upon Elizabeth Byers and Jim Vanderhorst for much of the information it contained.

Jim and Elizabeth also contributed to the well received *Central Appalachians Forest Ecosystem Vulnerability Assessment and Synthesis: A Report from the Central Appalachians Climate Change Response Framework Project*. Northern Research Stations General Technical Report NRS-146. Some copies may still be available from the USDA Forest Service Publication Distribution 359 Main Road Delaware, Ohio 43015-8640 (free). It is available as a download at <http://www.treesearch.fs.fed.us/pubs/47885> ❀

*Phaseolus polystachios*  
Wild Kidney Bean, Thicket Bean



Britton, N.L., and A. Brown.  
1913. An illustrated flora of the northern United States, Canada and the British Possessions. 3 vols. Charles Scribner's Sons, New York. Courtesy of Kentucky Native Plant Society. Scanned by Omnitek Inc.

The hunt for this bean is still on. The primary investigator, Theodore Kisha, may be able to come to West Virginia to look at specimens and would appreciate leads, and/or field accompants. He has supplies, such as envelopes and desiccants, available for those who could collect this species for him. You may contact him at [theodore.kisha@USDA.gov](mailto:theodore.kisha@USDA.gov) Or through Donna Ford-Werntz at [dfodrd2@wvu.edu](mailto:dfodrd2@wvu.edu). ❀

# News of the West Virginia Native Plant Society

## Highlights of the September 12, 2015

### Board and Annual Meetings

- ! The meeting was held at the Blue Bend Recreation Area in Greenbrier County WV.
- ! 7 Board members and 7 members attended
- ! The society remains in sound fiscal condition.
- ! The society continues to lose older members but has 24 new members.
- ! Chapter activities continue, Tri State had a field trip to Grayson, Ky, the orchid project of the Kanawha Valley Chapter continues, in the Eastern Panhandle trips are planned and is supporting the collection activities of Cheryl Jennings.
- ! Steve Mace reported that 1,420 people are on the WVNPS Face book page.
- ! There will be a meeting and hikes in conjunction with the Webster County Nature Weekend, May 15-16, 2016 at Camp Caesar.
- ! The annual meeting site for fall 2016 was proposed to be the Eastern Panhandle.
- ! Herbarium donations of WVU -\$150, MU and WVWC \$100 each and \$100 to the Bryophyte Herbarium at WVU were authorized.
- ! The request from the Potomac Highlands Weed and Pest Cooperative for support was tabled pending further information.
- ! Sending a hard copy of Native Notes to the NY Botanical Garden was approved. ❀

### Welcome to New Members

Judy Guye	Elkins, WV
Caroline Hooks	Bridgeport, WV
Brenda Moore	Oak Hill, WV

### New Life Members

Richard Cooper/Sally C. Anderson  
Winchester VA

### DUES ARE DUE

Yes, it is past the time you should have received a notice with Native Notes, but don't let that cause you to let your membership lapse. The renewal form can be found on the back of this newsletter. And thanks for your prompt attention to our needs. ❀

### West Virginia Native Plant Society Officers

President- Emily Grafton  
[egrafton@gmail.com](mailto:egrafton@gmail.com)

Past President -Steve Mace  
[sdmace@frontiernet.net](mailto:sdmace@frontiernet.net)  
(304)-674-5523

Corresponding Secretary  
Helen Gibbins  
[Gibbins@frontier.com](mailto:Gibbins@frontier.com)  
(304)-736-3287

Recording Secretary-Dan Stevenson  
[dstevenson101@gmail.com](mailto:d Stevenson101@gmail.com)  
(304)- 633-0800

Treasurer - Judi White  
[Judiwhite@suddenlink.net](mailto:Judiwhite@suddenlink.net)  
304-863-8352

### Directors

Chris Gatens (2 year term)  
(304)-458-2533  
[cmgatens@frontier.com](mailto:cmgatens@frontier.com)

Pete Rykert (1 year term)  
[eagle26241@yahoo.com](mailto:eagle26241@yahoo.com)

Kevin Campbell (3 year term)  
[hazwaste99@hotmail.com](mailto:hazwaste99@hotmail.com)

### Chapter Officers

Eastern Panhandle - Rodney Dever  
[rodneymever@virginia.edu](mailto:rodneymever@virginia.edu)  
(304-676-7438)

Kanawha Valley -Steve Mace  
see above

Tri-State -Romie Hughart  
[romie\\_5006@yahoo.com](mailto:romie_5006@yahoo.com)  
(304)-523-1049

### Editor

Judith Dumke  
[dumke@live.marshall.edu](mailto:dumke@live.marshall.edu)  
(740)-894-6859



**WEST VIRGINIA EVENTS**

- April 16 Logan WV. 33rd Annual Sue Browning Wildflower hikes, Chief Logan State Park, registration starts at 8 AM Hikes begin at 9 AM  
<http://www.chiefloganstatepark.com/events.html>
- Charleston Osbra Eye Memorial Walks, Kanawha State Forest, registration starts 8:30 AM fee \$5 adult, \$2 under 6  
<http://www.kanawhastateforest.com/2016%20Spring%20Walk.pdf>
- April 22-24 Multiple locations Wildflower Weekend at the New River Gorge National River  
<http://www.nps.gov/neri/planyourvisit/wildflower-weekend.htm>
- May 5-8 55<sup>th</sup> West Virginia Wildflower Pilgrimage, Davis Blackwater Falls State Park, contact WVDNR call Emily Fleming or Wendy Greene, 304-558-2754

**NEAR BY**

- PA March 17 Hunt Botanical Institute, Pittsburgh; opening reception for "Great Expectations"  
June 26 annual open House both events free details <http://www.huntbotanical.org>
- OH April 24, May 1 and May 8 1-2:30 PM Wildflower walk Wahkenna Nature preserve Near Lancaster, OH free  
[Wahkeenapreserve.blogspot.com](http://Wahkeenapreserve.blogspot.com)
- KY April 29-30 Kentucky Native Plant Society Wildflower Weekend natural Bridge State Park, <http://www.knps.org/events.html> fees
- DC May 20 Bats, Bees, Birds, Butterflies and Bouquets Smithsonian National Museum of Natural History [Http://botany.si.edu/sbs](http://botany.si.edu/sbs) Free registration required

note you may need to insert the web addresses into your address bar.



***2016 WVNPS MEMBERSHIP RENEWAL OR INITIATION***

<b>Name(s)</b> _____	<b>CATEGORIES</b>	
<b>Address</b> _____	<b>Life</b>	<b>\$200</b>
_____	<b>Regular</b>	<b>12</b>
_____	<b>Student</b>	<b>8</b>
<b>Chapter affiliations (please circle)</b>	<b>Tri-State Chapter</b>	<b>6</b>
	<b>Kanawha Valley</b>	<b>0</b>
	<b>Eastern Panhandle</b>	<b>0</b>
<b>E-Mail</b> _____		

**I prefer to receive the Native Notes by mail \_\_\_\_\_ e-mail \_\_\_\_\_**

You must be a member of the statewide WVNPS in order to be a member of a local chapter.

Please make the check payable to West Virginia Native Plant Society;  
Include local chapter dues, if pertinent. Dues are for one calendar year.  
Send dues to: Judi White  
WVNPS Treasurer  
148 Wellesley Dr.  
Washington WV 26181



# WVNPS Greenbrier County Field Trips

September 12 and 13, 2015

Records are from Harmon, P.J., D. Ford-Werntz, W. Grafton. 2006 *Checklist and Atlas of the Vascular Flora of West Virginia*, West Virginia Department of Natural Resources, Wildlife Resources Section, Elkins, WV. 381 p.

If the species is in bold it is a county record. If an asterisk (\*) appears after a name it is supported by an older record requiring updating.

T indicates that the species is state rare and tracked by the West Virginia Heritage program.

? Indicates that further research on the taxon in WV is required

F Indicates that additional field research is warranted

I Indicates the taxon may be invasive in natural areas

Non native designations include A species is adventive I species is introduced E species is exotic

## Greenbrier River Rail Trail, Keister, WV

### Common name

### Scientific appellation

Jerusalem Artichoke	<i>Helianthus tuberosus</i> *
Small White Aster	<i>Symphyotrichum racemosum</i>
Dillenius' Tick-Trefoil	<i>Desmodium glabellum</i> *
Purpletop	<i>Tridens flavus</i> *
Hedge Bindweed	<i>Calystegia sepium</i> CR
Hedge Buckwheat	<i>Polygonum scandens</i> *
Eastern Poison Ivy	<i>Toxicodendron radicans</i> ssp. <i>radicans</i> *
Woodland Sunflower	<i>Helianthus divaricata</i> CR
American Germander ?	<i>Teucrium canadense</i> var. <i>canadense</i>
Mockernut Hickory	<i>Carya alba</i>
Shingle Oak	<i>Quercus imbricaria</i>
Fringed Bromegrass	<i>Bromus ciliatus</i> *
Dotted St. John's-Wort	<i>Hypericum punctatum</i> *
Calico Aster	<i>Symphyotrichum lateriflorum</i>
Lance-Leaved Tickseed	<i>Coreopsis lanceolata</i>
Canada Wild Rye	<i>Elymus canadensis</i> *
Royal Fern	<i>Osmunda regalis</i>
Virgin's Bower	<i>Clematis virginiana</i> *
Common Evening-Primrose	<i>Oenothera biennis</i> *
Three-Lobed Coneflower	<i>Rudbeckia triloba</i>
Black Sugar Maple	<i>Acer nigrum</i>
Puttyroot	<i>Aplectrum hyemale</i>
Cinnamon Vine EI	<i>Dioscorea oppositifolia</i>
Sandvine	<i>Cynanchum laeve</i> CR
Rattlesnake Fern	<i>Botrychium virginianum</i> *
Ebony Spleenwort	<i>Asplenium platyneuron</i>
Downy Rattlesnake Plantain	<i>Goodyera pubescens</i>
Greater Water Starwort	<i>Callitriche heterophylla</i>
Smaller Forget-Me-Not	<i>Myosotis laxa</i>
Common Beggar-Ticks	<i>Bidens vulgata</i> *
Marsh Purslane	<i>Ludwigia palustris</i> *

Mountain Watercress			<i>Cardamine rotundifolia</i>
Great Blue Lobelia			<i>Lobelia siphilitica</i> *
Crooked-Stem Aster			<i>Symphotrichum prenanthoides</i>
Starry Campion			<i>Silene stellata</i> *
Bladder Campion	E		<i>Silene vulgaris</i> *
Yellow Buckeye			<i>Aesculus flava</i>
Wrinkled-Leaf Goldenrod			<i>Solidago rugosa</i> var.
Hog-Peanut			<i>Amphicarpaea bracteata</i>
Post Oak			<i>Quercus stellata</i> CR
Witch-Hazel			<i>Hamamelis virginiana</i>
Sassafras			<i>Sassafras albidum</i>
White-Haired Panic Grass			<i>Dichanthelium villosissimum</i> *
Muscletree			<i>Carpinus caroliniana</i>
Grassleaf Ladies' Tresses	?	T	<i>Spiranthes vernalis</i> CR
Snakeroot			<i>Aristolochia serpentaria</i> *
Winged Sumac			<i>Rhus copallinum</i> *
Tall White Lettuce			<i>Prenanthes altissima</i>
Common Lousewort			<i>Pedicularis canadensis</i> *
Indian Tobacco			<i>Lobelia inflata</i> *
Lopseed			<i>Phryma leptostachya</i> *
Horse balm			<i>Collinsonia canadensis</i> *
River birch			<i>Betula nigra</i>
Red Mulberry			<i>Morus rubra</i> *
White-Flowered Leafcup			<i>Polymnia canadensis</i> *
Groundnut			<i>Desmodium</i> sp
Black Snakeroot			<i>Actaea racemosa</i>
Cutleaf Grapefern			<i>Botrychium dissectum</i>
Rattlesnake Fern			<i>Botrychium virginianum</i> *
Bitternut Hickory			<i>Carya cordiformis</i> *
Tall Bellflower			<i>Campanulastrum americanum</i> *
Maidenhair Fern	?		<i>Adiantum pedatum</i>
Canada Moonseed			<i>Menispermum canadense</i> *
Wood Nettle			<i>Laportea canadensis</i> *
White Wood Aster			<i>Eurybia divaricata</i>
Bloodroot			<i>Sanguinaria canadensis</i>
Fall phlox			<i>Phlox paniculata</i> *
Broadleaf Goldenrod			<i>Solidago flexicaulis</i> *
Marginal Shield Fern			<i>Dryopteris marginalis</i>
Butternut	?	T	<i>Juglans cinerea</i>
Mooswood or Striped Maple			<i>Acer pensylvanicum</i> *
Hairy Heuchera			<i>Heuchera villosa</i>
Basswood			<i>Tilia americana</i> var. <i>americana</i>
Flowering Raspberry			<i>Rubus odoratus</i>
Tall Blue Lettuce			<i>Lactuca biennis</i>
Walking Fern			<i>Asplenium rhizophyllum</i> *
Mountain Maple			<i>Acer spicatum</i>
Red Elderberry			<i>Sambucus racemosa</i> *
Bottle Gentian			<i>Gentiana andrewsii</i>
Rock Skullcap	? F	T	<i>Scutellaria saxatilis</i>
Southern Bellflower			<i>Campanula divaricata</i>

Tall Goldenrod		<i>Solidago altissima</i> *
Silverrod		<i>Solidago bicolor</i>
Wreath Goldenrod		<i>Solidago caesia</i> *
Thimbleweed		<i>Anemone virginiana</i> *
Mountain Laurel		<i>Kalmia latifolia</i> *
Fireweed		<i>Chamerion angustifolium</i>
Long Beech Fern		<i>Phegopteris connectilis</i> CR
Wide-Leaved Joe-Pye Weed		<i>Eupatorium purpureum</i> *
Wrinkled Leaf Goldenrod		<i>Solidago rugosa</i>
Mountain Magnolia		<i>Magnolia fraseri</i>
Bracken Fern		<i>Pteridium aquilinum</i> var. <i>latiusculum</i> *
Big Bluestem		<i>Andropogon gerardii</i> *
Oak Fern		<i>Gymnocarpium dryopteris</i>
Bulbiferous Bladder Fern		<i>Cystopteris bulbifera</i>
Canada Yew	T	<i>Taxus canadensis</i>
Ninebark		<i>Physocarpus opulifolius</i> *
Whorled Rosin Weed		<i>Silphium trifoliatum</i>
Blue Monkshood		<i>Aconitum uncinatum</i> CR
Wild Sensitive Plant		<i>Chamaecrista nictitans</i>
Late Purple Aster		<i>Symphyotrichum phlogifolium</i>
Wild Lettuce		<i>Lactuca canadensis</i> CR
Streamside Alder		<i>Alnus serrulata</i>
Tall Coneflower		<i>Rudbeckia laciniata</i>
Common Joe-Pye Weed		<i>Eupatorium fistulosum</i>
Prickly Gooseberry		<i>Ribes cynosbati</i>
Staghorn Sumac		<i>Rhus typhina</i> *
Giant Sunflower	A	<i>Helianthus giganteus</i>
Whorled Loosestrife		<i>Lysimachia lanceolata</i> CR
Crooked-Stem Aster		<i>Sympyotrichum prenanthoides</i>
Virginia Strawberry		<i>Fragaria virginiana</i>
Trailing Bushclover		<i>Lespedeza procumbens</i> CR
Dwarf Plantain		<i>Plantago virginica</i> CR
Watercress	? I	<i>Rorippa nasturtium-aquaticum</i> *
Sweet-Scented Bedstraw		<i>Galium triflorum</i>
Alternate-Leaved Dogwood		<i>Cornus alternifolia</i>
Goatsbeard		<i>Aruncus dioicus</i> *
Hairy Skullcap		<i>Scutellaria elliptica</i> var. <i>elliptica</i> CR
Pale-Leaved Sunflower		<i>Helianthus strumosus</i> CR

## Whites Draft Shale Barren

Downy Arrowwood	?	T	<i>Viburnum rafinesquianum</i>
Blunt Lobed Woodsia			<i>Woodsia obtusa</i>
Dwarf Chinquapin Oak			<i>Quercus prinoides</i> n.b. not a county record but the only county listed for WV, not tracked
Slender Knotweed			<i>Polygonum tenue</i>
Silverrod			<i>Solidago bicolor</i>
Whitehaired Leatherflower	?	T	<i>Clematis albicoma</i>
Pasture Rose			<i>Rosa carolina</i> *
Bird-Foot Violet			<i>Viola pedata</i>

Yellow Buckwheat		T	<i>Eriogonum allenii</i>
New Je Tea y			<i>Ceanothus americanus</i>
Scrub Oak			<i>Quercus ilicifolia</i>
Heart-Leaved Skullcap	F	T	<i>Scutellaria ovata ssp. rugosa</i>
Riverbank Grape			<i>Vitis riparia</i>

## Sherwood Lake Area Road Cut

Sundew	?	T	<i>Drosera rotundifolia</i> *
Mountain Fetterbush		T	<i>Pieris floribunda</i>
Rosinweed	?	T	<i>Silphium compositum</i> *
Nodding Ladies' Tresses			<i>Spiranthes cernua</i>
Downy Yellow Foxglove			<i>Aureolaria virginica</i> *
Summer Grape			<i>Vitis aestivalis</i> *
Bigtooth Aspen			<i>Populus grandidentata</i> *
Hirsute Sunflower			<i>Helianthus hirsutus</i> CR
Glaucous Willow		T	<i>Salix discolor</i>
Flat-Top White Aster			<i>Doelligeria umbellata</i>
Wavy-Leaf Aster			<i>Sympyotrichum undulatum</i>
Fly Poison			<i>Amianthium muscitoxicum</i>

## Dawson Meadow River WMA, Grassy Meadows Rd. WV

Swamp Lousewort		T	<i>Pedicularis lanceolata</i>
Groundnut			<i>Apios americana</i>
Pin Oak			<i>Quercus palustris</i>
Brookside Alder			<i>Alnus serrulata</i>
Tall Agrimony			<i>Agrimonia gryposepala</i> *
New York Ironweed			<i>Veronia noveboracensis</i>
Closed Gentian			<i>Gentiana clausa</i>
Water Smartweed		T	<i>Polygonum amphibium</i>
Woolgrass			<i>Scirpus cyperinus</i>
Yellow Sneezweed			<i>Helenium autumnale</i>
Kinnikinnik			<i>Cornus amomum</i>
Purple-Leaved Willow-Herb			<i>Epilobium coloratum</i>
Common Monkey-Flower			<i>Mimulus ringens</i> *
Blue Vervain			<i>Verbena hastata</i>
Pipestem or Meadowsweet			<i>Spiraea alba</i>
Nodding Ladies' Tresses			<i>Spiranthes cernua</i>
Arrowleaf Tearthumb			<i>Polygonum sagittatum</i>
Shrubby St. John's-Wort			<i>Hypericum prolificum</i> *
Buttonbush			<i>Cephalanthus occidentalis</i>
Peppermint	E I		<i>Mentha x piperita</i> *
Foxtail Sedge			<i>Carex vulpinoidea</i> *
Common Rush			<i>Juncus effusus var. solutus</i> *
Turtlehead			<i>Chelone glabra</i>
Purple-Stem Aster			<i>Symphotrichum puniceum</i>
Great Blue Lobelia			<i>Lobelia siphilitica</i> *
Moneywort		I	<i>Lysimachia nummularia</i> CR



Rice Cutgrass		<i>Leersia oryzoides</i>
Sallow Sedge		<i>Carex lurida</i>
Panicled Aster	?	<i>Symphotrichum lanceolatum</i>
Pin Oak		<i>Quercus palustris</i>

### Meadow River WMA, Lawn Rd. Dawson, WV

False Pennyroyal			<i>Isanthus braciatus</i>
White Bedstraw	E		<i>Galium mollugo</i>
Gay Feathers			<i>Liatris spicata</i>
Panicled Dogwood			<i>Cornus racemosa</i>
Swamp White Oak			<i>Quercus bicolor</i>
Greater Bladder Sedge			<i>Carex intumescens</i>
Bushy Beardgrass	F		<i>Andropogon glomeratus</i>
Smooth Paspalum			<i>Paspalum laeve</i> *
Little Bluestem			<i>Schizachyrium scoparium</i> *
Black Haw			<i>Viburnum prunifolium</i>
Hazelnut			<i>Corylus americana</i>
Glade St. John's-Wort			<i>Hypericum densiflorum</i>
Heal-All	E		<i>Prunella vulgaris</i> *
Devil's Bit			<i>Chamaelirium luteum</i> *
Whorled Loosestrife			<i>Lysimachia quadrifolia</i> *
Mad-Dog Skullcap			<i>Scutellaria lateriflora</i> *
Beaked Rush			<i>Rhynchospora capitellata</i> *
Maleberry			<i>Lyonia ligustrina</i>
Giant Sunflower	A		<i>Helianthus giganteus</i>
Hairy Bedstraw			<i>Galium pilosum</i> *
Bluntlobe Grapefern	?	T	<i>Botrychium oneidense</i>
Flat-Top White Aster			<i>Doellingeria umbellata</i>
Calico Aster			<i>Symphotrichum lateriflorum</i>
Smooth Arrowwood			<i>Viburnum recognitum</i>
White Pine			<i>Pinus strobus</i> *
Downy Rattlesnake Plantain			<i>Goodyera pubescens</i>
Cancerroot			<i>Conopholis americana</i>
Winterberry			<i>Ilex verticillata</i> *
Cinnamon Fern			<i>Osmunda cinnamomea</i> *
Partridge Berry			<i>Mitchella repens</i> *
Wild Raisin			<i>Viburnum nudum var. cassinoides</i>
Pinxter Flower			<i>Rhododendron periclymenoides</i> CR
Green Ash			<i>Fraxinus pennsylvanica</i>
Black Ash		T	<i>Fraxinus nigra</i>
Cowbane			<i>Oxypolis rigidior</i>
Swamp Milkweed			<i>Asclepias incarnata</i> *
Indian Cucumber Root			<i>Medeola virginiana</i> *
Coltsfoot			<i>Hexastylis virginica</i> *
Small Green Wood Orchid			<i>Platanthera clavellata</i>
Black Knapweed	E I		<i>Centaurea nigra</i> CR
Boneset			<i>Eupatorium perfoliatum</i> *
Northern Bugleweed			<i>Lycopus uniflorus</i>
Eastern Poison Ivy			<i>Toxicodendron radicans ssp. negundo</i> CR
Broomsedge			<i>Andropogon virginicus</i> CR