



# TENNESSEE NATIVE PLANT SOCIETY

Volume 43, Number 1

March 2019

## Exotic Plant Report for West Tennessee State Natural Areas Allan J. Trently February 11, 2019

As the West Tennessee Stewardship Ecologist for the Division of Natural Areas, I keep track of what exotic plants I have in my 17 natural areas. I decided to summarize all this information. My hope is that this summary may provide some interesting information on the state of exotics in west Tennessee.

Out of the 17 natural areas, I have counted 213 different exotic plant species that occur in at least one of the natural areas. That's a lot of exotics! To put this in perspective, many of these plants are only invasive to parking lots and roadsides. This includes dandelion and English plantain. These plants are not a threat to natural systems. Also, some natural areas have the bulk of exotics while others do not. Auntney Hollow SNA has only 10 known exotics, while Old Forest SNA has 102. Lastly, some invasive exotics are more of a threat in some plant communities but not much of a threat in other communities. In Carroll Cabin Barrens SNA, Japanese honeysuckle is not much of an issue in the dry uplands while in Stillhouse Hollow Falls it is a significant threat to the mesic, second-growth forest.

Of the 213 exotics: 17 are Alert, 10 are Lesser Threat, 22 are Significant, and 15 are considered a severe threat by the Tennessee Invasive Plant Council. That's a total of only 64 exotics (30%) ranked by the Council.

The exotics with the most occurrences include: 17/17 – *Lonicera japonica*, 16/17 – *Microstegium vimineum*, 15/17 – *Ligustrum sinense*, *Persicaria longisetata*, *Rosa multiflora*, 13/17 – *Cardamine hirsuta*, 12/17 – *Lespedeza cuneata*, *Perilla frutescens*, 11/17 – *Albizia julibrissin*, *Lamium purpureum*, *Stellaria media*, *Taraxicum officinale*, 10/17 – *Commelina communis*.

Microstegium or Japanese stiltgrass is probably in all 17. I may have misidentified hairy bittercress (*Cardamine hirsuta*) in some natural areas so it is likely it is less common. Though the range of an exotic's occurrence is a good measure to how significant they are, it is not always a good factor to look at. Asiatic dayflower (*Commelina communis*) has a wide occurrence but it is of low significance.

Of the 213 exotics, I tried to quantify which ones are the most significant threats to native plants and communities:

Japanese honeysuckle (*Lonicera japonica*), Chinese privet (*Ligustrum sinense*), Japanese stiltgrass, and multiflora rose (*Rosa multiflora*) are all widely spread and pose a significant threat in many areas.

The following are not widely spread but are significant threats where they occur:

Alligatorweed (*Alternanthera philoxeroides*) – widely spread within the wetlands of Walker Branch SNA

Hairy joint-grass (*Arthraxon hispidus*) – this grass invaded Langford Branch and Auntney Hollow SNAs around 2016. It is a threat to riparian vegetation, moist slopes, and seeps.

Marsh dayflower (*Murdannia keisak*) – for some reason, it appears that this exotic has been spreading in the last few years. It has been located in five natural areas and is considered a major threat in all five areas. It spreads along waterways. I have found it along the Wolf River, Tennessee River, Middle Fork of the Obion River, and along streams in Lewis and McNairy Counties.

The list is a good start to understanding what exotics are out there. It helps me plan on what is needed for management. Though, many on the list will never be eradicated, there has been much work completed towards their eradication:

The Shelby Farms Park Conservancy has treated 100s of acres of Chinese privet at Shelby Farms which includes the Lucius E. Burch, Jr. State Natural Area.

The Wolf River Conservancy has also treated 100s of acres of Chinese privet in and around the natural areas found along the Wolf River.

The Overton Park Conservancy has treated a large number of its exotics within the Old Forest State Natural Area.

As the West Tennessee Stewardship Ecologist, I have treated 1000's of exotics. In Stillhouse Hollow Falls SNA alone, I have treated over 2000 Japanese honeysuckle vines. I am near my goal of completely eradicating climbing vines (but not prostrate vines) from this natural area.

Though this article is about west Tennessee, it is important to point out that the Division of Natural Areas staff (and others) has treated large amounts of exotics throughout Tennessee and will continue to do so in the future.

# TNPS Newsletter

This newsletter is a publication of the Tennessee Native Plant Society and is published four times a year, generally in February, June, August, and November.

The Tennessee Native Plant Society (TNPS) was founded in 1978. Its purposes are to assist in the exchange of information and encourage fellowship among Tennessee's botanists, both amateur and professional; to promote public education about Tennessee flora and wild plants in general; to provide, through publication of a newsletter or journal, a formal means of documenting information on Tennessee flora and of informing the public about wild plants; and to promote the protection and enhancement of Tennessee's wild plant communities.

Dues for each calendar year are:

Regular: \$20

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Please send comments and material for the TNPS newsletter to  
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## *A Letter from the President*

Hello Everyone,

We have some great information in this newsletter. Look at all the wonderful trips we have for you this year. Out Trip Planning crew had done an excellent job. I sure want to go on all of them. We are visiting sites all across the state so we should see lots of different plants. I hope to see some new faces too.

Check out the information on the Annual Meeting in July. We will be at Reelfoot Lake State park which has some rare habitats. Be sure to plan on the pontoon boat plant excursion that will take place on Sunday. This trip will be available for the first people in line-no reservations. Be sure to get there early to reserve your spot.

I sure am looking forward to spring and seeing bright spots of color in the woods. I don't know about you all but we have had too much rain in East TN and I'm ready for warmer weather.

See you on the trails,



Susan

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## Nashville Lawn & Garden Show, Feb. 28 - Mar. 3, 2019

TNPS will once again share a booth with fellow organizations Tennessee Invasive Plant Council and Tennessee Naturalist Program during the popular home garden show at the former Tennessee State Fairgrounds, now known as The Fairgrounds Nashville. This year we will be joined by the newly formed Middle Tennessee chapter of Wild Ones, a native plant gardening group. Our booth is fully staffed for the 4-day event thanks to volunteers from all these non-profits. TNPS will sell our selection of books and offer potential new members a half-price deal to join. Free educational materials from all the groups promote native plants, conservation, and natural history.

The annual late winter show occupies five buildings featuring beautiful garden displays, floral arrangements, informational lectures, and hundreds of vendors. Attendees comes from all over the Mid-South. Show times are 10:00 a.m. to 7:00 p.m. Thursday through Saturday and 10:00 a.m. to 5:00 p.m. Sunday. Tickets are \$12. Stop by our booth (#124) to say hello.

# 2019 Hike Schedule

<p><b>3/23, Early Spring Flowers in the Cedar Glades and Fire Ecology</b></p> <p>The limestone glades of middle Tennessee are home to many interesting plants. Some of these emerge very early. We will see Nashville glade cress and other early flowers as well as seasonal streams associated with karst features. The trip will last a few hours and cover less than 2 miles, mostly on trails that are not steep or of great difficulty. Water and snacks are recommended.</p> <p><i>Difficulty:</i> Easy but the trails could be muddy.</p>	<p><i>Leader:</i> Todd Crabtree</p> <p>615-532-1378 <a href="mailto:todd.crabtree@tn.gov">todd.crabtree@tn.gov</a></p> <p><i>Meeting Place:</i> Couchville Cedar Glade State Natural Area (36.1013 / -86.5294)</p> <p><i>Time:</i> 10:00 AM Central <i>Lunch:</i> Bring food and plenty of water <i>Facilities:</i> None</p>
<p><b>4/6, Shakerag Hollow</b></p> <p>This is a joint hike with the new Middle Tennessee Wild Ones and TNPS. Shakerag Hollow ranks as one of the top locations for early spring ephemerals in Middle TN. It contains a beautiful mature forest located within the Domain of the University of the South. Numerous scenic features include tall rock faces, caves, waterfalls, and mountain streams. The trail has a continuous display of wildflowers. Among the many plants we should see include <i>Trillium grandiflorum</i> and <i>T. sulcatum</i>, trout lilies, ramps, Dutchman's breeches, celandine poppy, dwarf larkspur, purple phacelia, and early saxifrage. The sandstone escarpment often has halberd-leaf violet (<i>V. hastata</i>) and Sweet White violet (<i>V. blanda</i>), shrub yellowroot, and shining club moss. Midway through the hike, if we're lucky, we may find the showy spotted mandarin (<i>Prosartes maculata</i>) with its creamy-white flowers dotted with maroon specks.</p> <p><i>Difficulty:</i> Hike about 2 miles, excellent trail of moderate difficulty, with elevation change ca. 400 ft.</p>	<p><i>Leader:</i> Dennis Horn and Mary Priestley</p> <p>931-461-0262 <a href="mailto:horndd@lighttube.net">horndd@lighttube.net</a></p> <p><i>Meeting Place:</i></p> <p>Meet at University of the South Entrance Gates (35.210034, -85.898113). Directions: Leave I-24 at exit 134 in Monteagle. Take US 41-A toward Sewanee. Continue 3.7 miles to the University gates. The parking area is on the right just past the gates.</p> <p><i>Time:</i> 10:00 am Central <i>Lunch:</i> Bring trail lunch, water, and camera. A car shuttle is required. A liability waiver may be required. <i>Facilities:</i> Nearest facilities are in Monteagle.</p>
<p><b>4/7, Short Springs Wildflower Hike</b></p> <p>Short Springs State Natural Area is well known for its spring display of wildflowers. Numerous spring ephemerals are at home on the slopes above BoBo Creek and these will be the focus for the hike. There are also scenic waterfalls in the natural area. Bring water and snacks and footwear with good ankle support. We'll be back at the trail head in the middle of the day.</p> <p><i>Difficulty:</i> The maintained trails have a few steep sections but experienced hikers will not be too challenged.</p>	<p><i>Leader:</i> Todd Crabtree</p> <p>615-532-1378 <a href="mailto:todd.crabtree@tn.gov">todd.crabtree@tn.gov</a></p> <p><i>Meeting Place:</i> Short Springs State Natural Area (35.4073,-86.1745) <i>Time:</i> 10:00 am Central <i>Lunch:</i> Bring water and snacks and footwear with good ankle support. <i>Facilities:</i> None</p>
<p><b>4/12-14, Trails and Trilliums</b></p> <p>A 3-day festival with guided hikes on trails in South Cumberland State Park. Directions and details: <a href="http://www.trailsandtrilliums.org">www.trailsandtrilliums.org</a></p>	<p><i>Meeting Place:</i> Monteagle Sunday School Assembly near I-24 and Sewanee</p>
<p><b>4/13, Frozen Head Wildflower Walk</b></p> <p>This is a joint outing for the 53rd Frozen Head Wildflower Pilgrimage with TNPS and TCWP. We will have an excellent opportunity to see spring wildflowers. The first mile is ideal for those with rather limited hiking capabilities; the trail is wide and flat. It is a loop with quick return to the parking area (Interpretive Trail). For those continuing the next 2 miles are steeper and rougher but still moderate (Judge Branch and S. Old Mac Trails).</p>	<p><i>Leader:</i> Larry Pounds and Jimmy Groton</p> <p>Larry 865-705-8516 <a href="mailto:PoundsL471@aol.com">PoundsL471@aol.com</a></p> <p><i>Meeting Place:</i></p> <ol style="list-style-type: none"> <li>1. Gold's Gym/Books-A-Million parking lot in Oak Ridge (at the end close to S. Illinois Avenue, near Salsarita's)</li> <li>2. Frozen Head State Park at the Park Office</li> </ol> <p><i>Time:</i> 1. 9:00 AM Eastern 2. 10:00 AM Eastern/ 9:00 AM Central <i>Lunch:</i> Water, lunch, bug spray. <i>Facilities:</i> At meeting places</p>

# 2019 Hike Schedule

<p><b>4/24-27, Spring Wildflower Pilgrimage</b></p> <p>The Spring Wildflower Pilgrimage is an annual event in the Great Smoky Mountains National Park featuring professionally-guided walks to explore the region's rich natural and cultural resources. Programs included fungi, ferns, wildflowers, trees and shrubs, medicinal plants, and more. Directions and details: <a href="http://www.wildflowerpilgrimage.org">www.wildflowerpilgrimage.org</a></p>	<p>Where: Great Smoky Mountains National Park, Gatlinburg, TN</p>
<p><b>5/3-4, Elsie Quarterman Cedar Glade Wildflower Festival</b></p> <p>Elsie Quarterman Cedar Glade Festival is an annual event held at Cedars of Lebanon State Park at the Cedar Forest Lodge (from the main entrance take the fork in the road to the right to the first building on the right). Lectures, hikes, roundtable discussions and more. Details and directions: <a href="http://www.mtsu.edu/glade-center">www.mtsu.edu/glade-center</a></p>	<p>Where: Cedars of Lebanon State Park</p>
<p><b>5/4, Spring Wildflower Hike at Stillhouse Hollow Falls</b></p> <p>In 2017, the state added approximately 110 acres to the 90-acre Stillhouse Hollow Falls State Natural Area. We plan to hike the 2/3 mile trail to the falls where we will have lunch. After exploring the area around the falls, we will then explore the new property. Since there are no trails on the new property be prepared to walk on uneven ground. Boots are highly recommended. We will explore a ravine and portions of the uplands. The ravine is rich with wildflowers including wild hyacinth, greater yellow ladies'-slippers, Miami mist, purple rocket, Illinois wood-sorrel, and celandine poppy. From the new property we will do a complete loop back to the trail and parking lot. The trip should end around 3 p.m. During the hike the leader will discuss issues, volunteering, management, ecology, and of course the many plants that we will see. To date, 390 plant species have been recorded for the natural area.</p>	<p><i>Leader:</i> Allan J. Trently and Bart Jones 731-512-1369 <a href="mailto:allan.trently@tn.gov">allan.trently@tn.gov</a></p> <p><i>Meeting Place:</i></p> <p>Parking lot of the natural area just off U.S. Route 43. (<a href="https://www.tn.gov/environment/program-areas/na-natural-areas/natural-areas-middle-region/middle-region/na-na-stillhouse-hollow-falls.html">https://www.tn.gov/environment/program-areas/na-natural-areas/natural-areas-middle-region/middle-region/na-na-stillhouse-hollow-falls.html</a> )</p> <p><i>Time:</i> 10:00 a.m. <i>Central Lunch:</i> Bring water, snack and/or lunch <i>Facilities:</i> None</p>
<p><b>5/5, North Ridge Trail (Walker Lane area) TNPS/TCWP (Oak Ridge)</b></p> <p>This is a joint TNPS and TCWP outing. We will walk down the backside of Black Oak Ridge to a superb spring wildflower area along a lovely spring fed stream. Flowers to be seen depending on the spring season timing include celandine poppy, native pachysandra, Vasey's trillium and many more. The trail is rough and steep in places. We can help each other in these spots. The distance is about 2 miles round trip. NOTE: This trip is scheduled for Sunday.</p>	<p><i>Leader:</i> Larry Pounds and Jimmy Groton</p> <p>Larry Pounds 865-705-8516 <a href="mailto:PoundsL471@aol.com">PoundsL471@aol.com</a></p> <p><i>Meeting Place:</i> Oak Ridge Children's Museum parking lot</p> <p><i>Time:</i> 1:30 PM Eastern <i>Lunch:</i> Bring water, bug spray. <i>Facilities:</i> At meeting place.</p>
<p><b>5/11, Stinging Fork Falls to Piney River TNPS/TCWP</b></p> <p>We will caravan from the Exxon to the Lower Piney River Trailhead to start a shuttle leaving some cars there. We will then carpool to the Stinging Fork Falls Trailhead. From there we hike back to the Piney River Trailhead. This section of the Cumberland Trail was completed in fall 2018. What spring flowers we will see is hard to predict. The route is definitely scenic. Total walking distance will be about 6 miles. The trail is up and down with many steps. Alternatives: People are welcome to head back early to the Stinging Falls Fork Trailhead. They will need a car there or will have to wait until the afternoon when the shuttle is completed. With this alternative you could drive back from the Stinging Fork Trailhead to the Piney River Trail Head and walk in along the flat trail by Soak Creek to meet the rest of the group as they reach Soak Creek.</p>	<p><i>Leader:</i> Larry Pounds 865-705-8516 <a href="mailto:PoundsL471@aol.com">PoundsL471@aol.com</a></p> <p><i>Meeting Place:</i> 1. Gold's Gym/Books-A-Million parking lot in Oak Ridge (at the end close to S. Illinois Avenue, near Salsarita's) 2. Rocky Top/ Exxon/MacDonald's on US 27 in Spring City <i>Time:</i> 1. 9:00 AM Eastern 2. 10:00 AM Eastern</p> <p><i>Lunch:</i> Bring water, lunch, bug spray.</p> <p><i>Facilities:</i> At meeting places</p>

# 2019 Hike Schedule

<p><b>6/1, Chickasaw State Park</b></p> <p>We will hike the Friends and Forked Pine Trail which will give us an opportunity to botanize upland oak/hickory/pine communities in southwestern Tennessee. We will have an opportunity to see Green adder's mouth orchid (<i>Malaxis unifolia</i>) – although not rare, it is uncommon in west TN. We will also survey warm season grasslands along Highway 100 where we will find several conservative grassland species in flower. <i>Directions:</i> Chickasaw State Park is located off Highway 100 in Chester County, TN, approximately 7.5 miles west of Henderson, TN. Please use the main entrance where the Park Office is located (<i>Directions:</i> <a href="https://tnstateparks.com/parks/chickasaw">https://tnstateparks.com/parks/chickasaw</a>). Follow Cabin Lane past Sagamore Lodge to the large parking area near the playground, park on the northern end of the parking lot (near the trail head for Friends Trail).</p>	<p><i>Leader:</i> Claude Bailey <a href="mailto:cbailey@jsc.edu">cbailey@jsc.edu</a></p> <p><i>Meeting Place:</i> Parking lot at the Friends Trail trailhead / Picnic Shelter #1 (35.392558, -88.770303). See additional directions on the left.</p> <p><i>Time:</i> 10:00 a.m. <i>Central Lunch:</i> Bring water, snack and/or lunch</p> <p><i>Facilities:</i> Restroom facilities at the parking area.</p>
<p><b>6/1, Arnold AFB (AEDC) and May Prairie SNA</b></p> <p>This is a joint hike with the new Middle Tennessee Wild Ones and TNPS. For those that missed the 2016 trip, this is your opportunity to again see orchids and other rare plants. The "Oak Barrens" of Coffee County provide some of the best examples of TN rare plants that also occur in the Gulf Coastal Plain and the prairies of the Midwest. As a result Coffee County is one of only three counties in Tennessee with 50 or more rare plant species. We will visit the AEDC first to see native orchids: <i>Calopogon tuberosus</i>, <i>Cleistes bifaria</i> (now <i>Cleistesiosipsis</i>), and possibly <i>Platanthera lacera</i> and <i>Pogonia ophioglossoides</i>. We should also find <i>Death Camas</i> (<i>Zigadenus leimanthoides</i>, now <i>Stenanthium tennesseense</i>), <i>Whorled Loosestrife</i> (<i>Lysimachia quadrifolia</i>), and <i>Hyssop Leaved Skullcap</i> (<i>Scutellaria integrifolia</i>). After lunch time permitting we will visit May Prairie. We should see <i>Mock Bishop's Weed</i> (<i>Ptilimnium costatum</i>), <i>Enyngo</i> (<i>Eryngium integrifolium</i>), <i>Coppery St. Johnswort</i> (<i>Hypericum denticulatum</i>), <i>Marsh Pea</i> (<i>Lathyrus palustris</i>), <i>Horned Bladderpod</i> (<i>Utricularia cornuta</i>), and <i>Swamp Candles</i> (<i>Lysimachia terrestris</i>).</p> <p><i>Difficulty:</i> Easy to moderate walking in low vegetation.</p>	<p><i>Leader:</i> Dennis Horn 931-461-0262 <a href="mailto:horndd@lighttube.net">horndd@lighttube.net</a></p> <p><i>Meeting Place:</i> Meet at Wendy's in Manchester TN (82 Expressway Dr, Manchester, TN) (35.459774, -86.054491) <i>Directions:</i> Leave I-24 at exit 114 in Manchester TN. Turn left coming from Chattanooga (right from Nashville) onto US 41 heading NW toward town. Turn right at the 1st traffic light (Raceway at that intersection) beyond the interstate. Wendy's is half a block on the right.</p> <p><i>Time:</i> 10:00 a.m. <i>Central</i></p> <p><i>Lunch:</i> Bring water, insect repellent, sunscreen, and camera. Lunch in car or on trail.</p> <p><i>Facilities:</i> Facilities at meeting place.</p>
<p><b>7/13, Annual Meeting Reelfoot Lake Hikes</b></p> <p>Check the TNPS website Conference page for details.</p>	
<p><b>7/20, May Prairie State Natural Area</b></p> <p>This is another joint hike with the new Middle Tennessee Wild Ones group and TNPS. The "Oak Barrens" of Coffee County provide examples of TN rare plants that are disjunct from the Gulf Coastal Plain and the prairies of the Midwest. The primary goal of this outing is to see <i>Snowy Orchid</i> (<i>Platanthera nivea</i>) in flower. This is the only location known in Tennessee for this Coastal Plain species. Usually flowering with it is the equally rare Coastal False Asphodel (<i>Tofieldia racemosa</i>, now <i>Triantha racemosa</i>). We should also see <i>Mock Bishop's Weed</i> (<i>Ptilimnium costatum</i>), <i>Ernngo</i> (<i>Eryngium integrifolium</i>), <i>Coppery St. Johnswort</i> (<i>Hypericum denticulatum</i>), three <i>Silphiums</i>, including <i>Shaggy Rosinweed</i> (<i>Silphium mohrii</i>) which is endemic to TN, AL and, GA, <i>Swamp Rose</i> (<i>Rosa palustris</i>), and <i>Virginia Goldenrod</i> (<i>Solidago austrina</i>).</p> <p><i>Difficulty:</i> Easy to moderate walking in low vegetation.</p>	<p><i>Leader:</i> Dennis Horn 931-461-0262 <a href="mailto:horndd@lighttube.net">horndd@lighttube.net</a></p> <p><i>Meeting Place:</i> Meet at Wendy's in Manchester TN (82 Expressway Dr, Manchester, TN) (35.459774, -86.054491) <i>Directions:</i> Leave I-24 at exit 114 in Manchester TN. Turn left coming from Chattanooga (right from Nashville) onto US 41 heading NW toward town. Turn right at the 1st traffic light (Raceway at that intersection) beyond the interstate. Wendy's is half a block on the right.</p> <p><i>Time:</i> 10:00 a.m. <i>Central Lunch:</i> Bring water, insect repellent, sunscreen, and camera. Lunch in car or on trail.</p> <p><i>Facilities:</i> Facilities at meeting place.</p>
<p><b>7/27, Auto Tour of the New Foothills Parkway Extension</b></p> <p>We'll explore the new section of the Foothills Parkway by automobile, making stops along the way to see the views and any interesting plants that are to be found. It should be a bit cooler at the elevations where we'll be traveling.</p>	<p><i>Leader:</i> Allen and Susan Sweetser 865-938-7627 <a href="mailto:ssretiree@yahoo.com">ssretiree@yahoo.com</a></p> <p><i>Meeting Place:</i> IGA Grocery Store (near the gas pumps) in Townsend (7945 E Lamar Alexander Pkwy, Townsend, TN)</p> <p><i>Time:</i> 10:00 AM Eastern <i>Lunch:</i> Picnic lunch at the Look Rock area. Bring water, lunch and bug spray.</p>

# 2019 Hike Schedule

<p><b>8/11, BioBlitz at The FarmCommunity, Summertown</b></p> <p>We will join Dr. Dwayne Estes, Executive Director of the Southeastern Grasslands Initiative, Botanical Explorer at BRIT, and Professor of Biology at Austin Peay State University, for a BioBlitz of the prairie barrens at The FarmCommunity. Our focus will be on the flora, but we will also note the pollinators of the ecosystem and any animals and birds that we may encounter. We should be treated with a variety of grasses and late summer wildflowers that are typical of many southeastern grasslands. NOTE: This trip is scheduled for Sunday. <i>Difficulty:</i> Easy, but the weather may be very hot. Dress appropriately and bring sunscreen and plenty of water. <i>If this event is canceled due to rain we will conduct the hike on 8/18.</i></p>	<p><i>Leader:</i> Cynthia Rohrbach <a href="mailto:cynthrohr@gmail.com">cynthrohr@gmail.com</a></p> <p><i>Meeting Place:</i> We will meet at The Farm Community Store which is located at 100 Second Rd., Summertown.</p> <p><i>Time:</i> 10:00 AM Central <i>Lunch:</i> Bring. Food is also available at The Farm Community Store. You are invited to bring your swimsuit and enjoy a refreshing dip in the swimming hole after the hike. <i>Facilities:</i> At meeting place.</p>
<p><b>9/7, Bledsoe State Forest Fall Flowers TNPS/TCWP</b></p> <p>We will caravan from Crossville to the Bledsoe State Forest. We will go to various sites on powerline right-of-ways to see many species of aster, goldenrods and other fall flowers. This is a joint TNPS and TCWP outing. The walks will be short with total distance less than 3 miles.</p>	<p><i>Leader:</i> Larry Pounds 865-705-8516</p> <p><a href="mailto:PoundsL471@aol.com">PoundsL471@aol.com</a></p> <p><i>Meeting Place:</i> 1. Gold's Gym/Books-A-Million parking lot in Oak Ridge (at the end close to S. Illinois Avenue, near Salsarita's) 2. Shell Station on the south side of the Peavine exit in Crossville</p> <p><i>Time:</i> 1. 9:00 AM Eastern 2.10:00 AM Eastern or 9:00 AM Central <i>Lunch:</i> Bring water, lunch, bug spray. <i>Facilities:</i> At meeting places</p>
<p><b>9/21, Hike the Tennessee Valley Authority's Lady's Bluff Trail</b></p> <p>The Lady's Bluff Trail is a 2.6-mile trail (round-trip) in Perry County (north of Mousetail Landing State Park). The trail offers limestone outcrops, abundant wildflowers, and spectacular views of the Tennessee River. There is a large population of aromatic aster (<i>Symphyotrichum oblongifolium</i>) along the bluff. Aromatic aster is rare in west Tennessee. Also along the bluff are September elm (<i>Ulmus serotina</i>) and wall-rue (<i>Asplenium ruta-muraria</i>). Along the way to the bluff are some excellent examples of limestone rock outcrop communities. We should see black-stemmed spleenwort, rattlesnake-master, Allegheny spurge, woodland stonecrop, heartleaf noseburn, blue ash, Carolina leaf-flower, and Ohio buckeye as well as a number of plants found in mesic environments.</p> <p><i>Difficulty:</i> The trail is rated as east to moderate. For additional information visit <a href="https://www.tva.gov/Environment/Recreation/TVA%E2%80%9393Trails/Lady%27s-Bluff-Trail">https://www.tva.gov/Environment/Recreation/TVA%E2%80%9393Trails/Lady%27s-Bluff-Trail</a>.</p>	<p><i>Leader:</i> Allan J. Trently 731-512-1369 <a href="mailto:allan.trently@tn.gov">allan.trently@tn.gov</a></p> <p><i>Meeting Place:</i> Meet at Fat Man's Keystop (11668 Highway 412 W, Linden, TN)</p> <p><i>Time:</i> 9:30 AM Central</p> <p><i>Lunch:</i> Bring lunch</p> <p><i>Facilities:</i> At meeting place.</p>
<p><b>10/26, Late Fall at Carroll Cabin Barrens State Natural Area</b></p> <p>We will make a late fall visit to one of West Tennessee's botanical jewels, Carroll Cabin Barrens State Natural Area, to see one of just two state populations of Great Plains ladies'-tresses (<i>Spiranthes magnicamporum</i>). These orchids are the latest-blooming of all our native orchids and occur in widely scattered prairie relicts in the South that are disjunct from the main populations found in the upper Midwest. If we are lucky (and there has been no frost), we will hopefully enjoy some nice fall foliage and some of the last flowers of the other special fall plants of the barrens like barrens silky aster (<i>Symphyotrichum pratense</i>), stiff aster (<i>Lonactis linariifolia</i>), blue sage (<i>Salvia azurea</i> var. <i>grandiflora</i>), and obedient plant (<i>Physostegia virginiana</i>).</p> <p><i>Difficulty:</i> Easy to moderate. Much of the walking is on slopes and there are areas where rocks protrude.</p>	<p><i>Leader:</i> Bart Jones 901-485-2745 <a href="mailto:bjones7777@hotmail.com">bjones7777@hotmail.com</a></p> <p><i>Meeting Place:</i> Parking lot of the Carroll Cabin Barrens State Natural Area (35.467472, -88.053667)</p> <p><i>Time:</i> 10:00 AM Central</p> <p><i>Lunch:</i> Late lunch at MeoMio's Cajun Restaurant close by.</p> <p><i>Facilities:</i> At the restaurant</p>

Please Contact the Leader if You Plan on Attending!

# 2019 Annual Meeting Registration



## 2019 TNPS Annual Meeting Registration Ellington Hall, Reelfoot Lake State Park July 12-14, 2019

Please complete and return with payment by **July 1st**.

Please note:

- Lodging and meals are on your own. We will provide a list of options shortly.
- On Sunday an optional pontoon boat trip is available for a cost of \$10 per person, **paid at time of departure**. Do NOT include with registration.

**Registration fee \$25 per person;**      # people \_\_\_\_\_ @ \$25 = \_\_\_\_\_

### Registrant #1 Information:

Name \_\_\_\_\_

Address \_\_\_\_\_

Telephone \_\_\_\_\_

Email \_\_\_\_\_

Special Needs \_\_\_\_\_

### Registrant #2 Information:

Name \_\_\_\_\_

Address \_\_\_\_\_

Telephone \_\_\_\_\_

Email \_\_\_\_\_

Special Needs \_\_\_\_\_

Make check(s) payable to **TNPS** and send to:

Karen Hill, 2152 Ravenscourt Drive, Thompsons Station, TN 37179

Questions? Email: [treas@tnps.org](mailto:treas@tnps.org)

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# 2019 Annual Meeting Details

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Lodging and meals for the annual meeting are on your own. Below is a list of possible accommodations:

- Reelfoot Lake Inn - 731-253-6845
- Dragonfly Inn B&B - 731-253-0206
- Cypress Point Resort - 731-253-6654
- Blue Bank Resort - 1-877-258-3226
- Reelfoot Lake State Park Cabins and Campsites - 731-253-9652

If you have difficulties finding a room, there are more hotels in Union City and Dyersburg about thirty minutes away. Hike schedules coming soon.

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## When Dues Are Due?

Unless you are an email subscriber, check your mailing label for your membership date. You are paid through the year listed just above your name. You can pay TNPS dues at any time, and now you can pay online at the TNPS Website. Just go to [www.tnps.org](http://www.tnps.org), click "Membership," and follow directions there. If your address has changed, you can email the new address to [info@tnps.org](mailto:info@tnps.org). We cannot print the newsletter in full color, but you may be pleased to find all the color in email copies and at the website. [www.tnps.org](http://www.tnps.org)

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