

CLAYTONIA

Newsletter of the Arkansas Native Plant Society

Volume 33, No 2
Fall/Winter 2013

Special
Feature

**A Botanist's Work is Never Done: Recent Additions to the Arkansas Flora
by Theo Witsell, Arkansas Natural Heritage Commission**

New Members
and Life Members
Page 13

2013 Fall
Treasurer Report
Page 10

2013 Spring
Meeting Minutes
Page 5

Membership
Application
Page 17

Fall Meeting
Details
Page 12

Upcoming Field
Trips
Page 11

President's
Message
Page 18

The joke among field botanists is that as soon as a checklist of the plants of an area is published it is out of date. That is certainly the case with the *Atlas of the Vascular Plants of Arkansas*, which recently went to press. But this is as it should be. One of the main roles of a checklist is to let people know what is NOT known from an area, and making new discoveries is what makes botanizing exciting.

In just the last couple of months, field staff of the Arkansas Natural Heritage Commission (ANHC) found four species of plants that were not previously known from Arkansas. This is not really all that unusual in a state as diverse and poorly explored as ours but it does go to show how much we still have to discover. Here are brief accounts of the discoveries of these "new" plants for Arkansas...

Prairie Dogbane *Apocynum sibiricum*

Back in late June, Dwayne Estes, of the Botanical Research Institute of Texas, and I spent a day taking our kids floating and swimming on the Big Piney. Naturally we snuck in as much botanizing as we could while still making sure that no kids drowned or fell off a bluff. Truth be told, we kind of picked the spot (Long Pool Recreation Area) because of some particularly nice looking bluffs and cobble bars in the vicinity.

Not long after we set out, after leading the kids on a complaint-filled but character-

building bushwhack through all manner of shrubs and briars, we came to a large, open cobble bar. Once we emerged from the thicket, the children's suffering was immediately rewarded, as we found a nice population of an odd-looking short and sprawling dogbane growing from the cobbles. We got pretty excited because we had seen this same plant once before, also on a cobble bar, while taking the same pack of kids swimming a couple of years ago on North Sylamore Creek. At that time though, the plants were immature and though we took



Apocynum sibiricum, prairie dogbane leaves
photo by Theo Witsell

note of its odd growth form, we were never able to put a name on it. This time we figured out that it was prairie dogbane

(*Apocynum sibiricum*) a species not previously documented from the state and usually found farther to the north.

Unlike the common species of dogbane (*Apocynum cannabinum*), this species has leaves with very short or absent stalks, and lower leaves with lobes that almost clasp the stem and have prominent, reticulate veins. It also has a flower arrangement that is shorter than the surrounding leaves.

Continued on next page

Rio Grande Copper-Lily
Habranthus tubispathus/texanus

A few weeks later, I collected another new plant for Arkansas in a really interesting area of Little River County. This one, a beautiful yellow- to orange-flowered species called Rio Grande copper-lily (*Habranthus tubispathus*), was growing along a highway near Foreman and also nearby on another roadside and in a couple of lawns.

It is one of the “rain lilies” that put up leaves in spring, go dormant in the summer, and then send up leafless flowering stems after a big rain.



Habranthus tubispathus/texanus
photo by Theo Witsell

There is debate among botanists as to whether it is native to the region or was introduced to Texas from South America by Spanish missionaries, perhaps as early as the 1600s.

Those considering it native often call it by another name, *Habranthus texanus*, and recognize it as distinct from *H. tubispathus*. Given the habitats I found it in, it seems likely that it is introduced to Arkansas, though it was growing with small-flower ground-cherry (*Physalis cinerascens*), a very rare native species in Arkansas.

Baby Jump-up
Mecardonia procumbens

Then, on July 22nd, photographer Craig Fraiser accompanied me and



Baby Jump-up, *Mecardonia procumbens*
photo by Craig Fraiser

Jason Throneberry, aquatic ecologist for the ANHC, as we searched for rare plants on sandbars along the Arkansas River between Little Rock and Pine Bluff. We put our boat in at Tar Camp Access and stopped at a good looking island bar several miles

up-stream. A few minutes after we got out, we found a large population of the water clover fern (*Marsilea vestita*) along with scattered plants of the rare Texas bergia (*Bergia texana*).

Then I spotted something that really caught my eye – a small plant with brilliant yellow flowers, obviously in the figwort family, but unfamiliar to me, growing in wet sand near the shoreline. The general look had me thinking this must be some species of monkeyflower (genus *Mimulus*), not known from Arkansas. But it also bore a striking resemblance to the

overall architecture of the common purple axilflower (*Mecardonia acuminata*), but had yellow flowers, shorter leaves, and more of a sprawling growth form. A few minutes on the internet later, and we had it positively identified as baby

Continued on next page

jump-up (*Mecardonia procumbens*), a native species known from Arizona, New Mexico, Texas, Louisiana, Alabama, and Florida.

Wright's Cliffbrake *Pellaea wrightiana*

The last new discovery, at least until this article gets published and becomes out-of-date, was made by Brent Baker as he and I were surveying some very nice novaculite glades in the Jack Mountains, south of Hot Springs. These rocky, desert-like habitats support dry grasslands with a number of rare and interesting species. We left the vehicle and it wasn't long before we were wading through good stuff like the rare Texas fescue (*Festuca versuta*), granite gooseberry (*Ribes curvatum*), and Arkansas twistflower (*Streptanthus*

maculatus ssp. *obtusifolius*) and Ouachita blazing-star (*Liatris*



Wright's Cliffbrake, *Pellaea wrightiana*
photo by Brent Baker

compacta), two species known only from Arkansas.

We split up to cover more ground, periodically keeping track of one another via yells and the occasional cell phone call. I was exploring a small spring in the middle of dense

thicket of yaupon holly when Brent called to check my progress and report his location. Then he mentioned "I've got a really interesting-looking *Pellaea* over here". I headed off in his direction and got a text from him a few minutes later saying "*Pellaea wrightiana*...state record!!!!". Sure enough, he had done some research online and nailed it. This odd western desert fern has very distinct upturned fronds of a blue-green color, reddish-brown stalks, and pinnae (leaves) that are strongly in-rolled to cover the spores. It's one of many western species that are found in the east only in glade habitat.

You never know what you are going to find out there! Happy hunting!

In the Field

Beyond Miller's Chapel - May 25, 2013 by Burnetta Hinterthuer and Eric Hunt

Last year Stephen Marquadt told Burnetta about large populations of different species of orchids he had found in a remote hollow out past Miller's Chapel in south Washington County. It sounded like a perfect hike for members of the Ozark Chapter of the ANPS, so we set a date for early May to go orchid hunting.

The original date for our orchid hunt saw near freezing temperatures, rain, and even snow just a few miles north of our

destination. We rescheduled the hike for Memorial Day weekend, hoping the later date would enable us to catch orchids in bloom.

On the morning of the hike our enthusiastic group met at Stephen's ironworks shop in West Fork and a small caravan of vehicles headed south to Winslow.

On the way to Winslow Stephen informed us that he had also seen a bobcat and bear on that

mountaintop near the hollow. He was also excited to show us a beautiful waterfall along the mountain creek, requiring a descent by ladder down a steep bank. Bobcat, bear and steep descent all painted a vivid picture; we knew this was going to be an exciting day.

We stopped at Miller's Chapel where we consolidated into those vehicles best suited for rough mountain roads. Miller's Chapel had been used as both school and

church in the 1900's. In fact, Stephen's father once preached there.

The road into the remote hollow was pocked by large potholes and eroded roadway. We made it just fine into the hollow in the truck and others were able to drive their cars that had high clearance. Burnetta realized that this just might be the most remote field trip she had been on in quite a while.

On the way in we passed through a kudzu forest that had taken over a former blackberry farm. Further along the road, in sharp contrast to the invasive kudzu were two magnificent, blight-resistant Ozark chinquapin in full bloom.



Chinquapin blooms
photo by Eric Hunt

Once parked, we walked along an old road to the creek and waterfall. Along the route we noted a diverse flora including *Cicuta maculata* (poison hemlock), *Solidago speciosa* (showy

goldenrod), *Euthamia gymnospermoides*, *Asplenium rhizophyllum* (walking fern), *Asplenium trichomanes* ssp. *trichomanes* (Maidenhair spleenwort), *Adiantum pedatum* var. *pedatum* (Northern maidenhair fern), *Pedicularis canadensis* (Canadian lousewort), *Prenanthes altissima* (rattlesnake root), *Carex albursina* (white bear sedge), *Houstonia purpurea* (woodland bluet) and *Elephantopus carolinianus* (Elephant's foot).

As far as orchids were concerned we only encountered one species - *Liparis liliifolia* (lily twayblade). The one population had many rosettes. At the time we found no flowers, but Eric discovered one flowering plant when he reviewed the photos later. This

speaks to our need to return another May when the weather is more typical and the plants are on their regular schedule. No doubt the drought of the last two years also played a role in the paucity of orchids in flower.

While we did not find the orchids we were looking for the overall



Liparis liliifolia, lily twayblade
Photo by Eric Hunt

plant diversity was very high. Ferns were plentiful. Other ferns present were: *Botrychium virginianum*, *Botrychium biternatum*, *Athyrium filix-femina* ssp. *asplenioides*, *Phegopteris hexagonoptera*.



Adiantum pedatum photo by Eric Hunt

Burnetta, Danny, and a few others remained above the creek exploring while Steven and the rest walked the creek and waterfall. There were actually two waterfalls, as there were two streams meeting. In the 'Y' of the stream was a small flat-topped glade surrounded by woods filled with interesting plants.

Species seen along the creek and up on the glade include *Vaccinium arboreum*, *Vaccinium spp.*, *Liatris sp.*, *Desmodium rotundifolium*, *Silene virginica*, *Arisaema triphyllum*, *Arisaema dracontium*, *Podophyllum peltatum*, *Delphinium tricorne*, *Chasmanthium spp.*, *Sanguinaria canadensis*, *Cunila organoides*, *Heuchera americana*, *Baptisia bracteata* var. *leucophaea*, *Orbexilum pedunculatum* var. *pedunculatum*

It was exhilarating feeling that one was so far away from human development. The group was enthusiastic, knowledgeable, and



Waterfall beyond Miller's Chapel
photo by Eric Hunt

it was great being with such a great group of fellow plant lovers.

Attending were Eric Hunt (who shared his beautiful photos for this article), Ken Stout, Donna Phipps Stout, Donovan Tippett, Tom Bowen, Robyn Bowen, Stefanie Reynolds, Danny Barron,

Stephen Marquadt and Burnetta Hinterthuer.

Thanks to Stephen for a very beautiful, remote hiking experience exploring new plant refugias.

ANPS Spring Meeting 2013 Membership Meeting Minutes - April 27, 2013

Subiaco Academy at Subiaco, Arkansas

Eric Sundell called the meeting to order at 7:58pm.

Eric Sundell thanked Betty Owen for arranging the 2013 Spring Meeting at Subiaco/Mt. Magazine.

Eric thanked Betty Owen and Mike Burns for emails to the membership on Don Crank's death and his memorial service.

Sunday trips

On Sunday morning, Eric Sundell and Sid Vogelpohl will lead walks at the home of Sid and Jeanette Vogelpohl. Lunch will be provided. Brent Baker and Larry Price will lead a hike to Cherokee Prairie. Everyone should meet in the Subiaco parking lot at 9:30am.

Minutes

Ann Gordon made a motion to accept the minutes from the Fall 2012 Membership Meeting of October 13, 2012. Richard

Emmel seconded the motion and all were in favor.

Treasurer's Report

Maury Baker made a motion to accept the 2012 Treasurer's Report. Susan Toone seconded the motion and all were in favor.

Don Ford made an on-line motion to combine Operation and Memorial funds in bookkeeping. Martha Bowden seconded the motion and all agreed at the Board meeting. An amendment to the ANPS by-laws will be submitted to delete all references to the separation of Operation and Memorial funds in bookkeeping. Eric presented the Board recommendation to the general membership on Saturday evening and the motion was approved. Don Ford will work on the by-law changes.

Committee Reports

Membership

Mike Burns made an on-line motion on April 3, 2013 to print the ANPS Directory after the Fall Meeting to match officers with years of service. Martha seconded the motion and all agreed (email vote). At the Spring Board meeting, Eric Sundell suggested that the 2013-2014 Directory should have one page with the 2013 Officers and a separate page with the 2014 Officers. Mike explained these changes to the general membership.

The Board discussed the process for approving emails that are sent to the netlist by the Membership Chair. The Board agreed that the President should approve all email messages before they are sent. Mike Burns explained this process to the general membership.

Webmaster

Martha Bowden reported that the ANPS website has had 36,000 views. The Neat Plant Alert (200 views) and Meet the

Plant (749 views) have also been popular. The website is fulfilling the ANPS mission of educating the public about native plants.

Martha also sent out a call for more articles and pictures for the website. Everyone thanked Martha on the great success of the ANPS website.

Editor

John Perrin asked for more fieldtrip pictures and stories. Everyone thanked John for his hard work on the 2013 Spring *Claytonia*.

Earth Day

John Perrin and Susan Toone worked at the ANPS booth. They handed out 40 applications for the Arkansas Audubon

Society's Halberg Ecology Camp for 11 and 12 year olds.

Nominating Committee

Current Past President Sandy Davies is chair of the Nominating Committee for 2014 offices. She is looking for 2 members for the Nominating Committee. The term of Secretary will expire, and Karen Fawley has agreed to accept a nomination for another term. The Vice President will be the only vacant position.

Scholarship Committee

Eric Sundell announced the 2013 ANPS scholarship/grant recipients on behalf of Mary Ann King; chair of the Awards & Scholarships Committee. The list included one recipient of the Delzie Demaree Scholarship (\$1000), Eric Hearsh (UAF) and 1 recipient of the Aileen McWilliam Scholarship (\$1000), Ty Murdoch (UAF).

Old Business

Update on Grant for Nature Walk at Logan County Old Jailhouse Museum

The project is on hold due to cold weather. No plants have been purchased.

New Business

Don Crank's Garvan Gardens fern booklet

The director at Garvan Gardens got in touch with Eric about ANPS support for publishing Don Crank's fern booklet. The discussion will be tabled until the Board receives a proposal from Garvan Gardens.

Converting Historical Claytonias to PDF

Mike Burns made a motion to allocate ANPS funds to convert historical Claytonias to PDF form. PDF copies will be placed on the ANPS website, the ANPS archive at the UA-Fayetteville and Don Cullwell's archive at UCA. Don Ford seconded the motion and all were in favor.

2013 ANPS Fall Meeting

The 2013 Fall Meeting is scheduled for October 11-13th at the Ozark Folk Center in Mountain View, AR. A representative from the Ozark Folk Center will send Betty Owen a contract for rooms at \$72 + taxes per night. Twenty-five rooms will be held at this rate for ANPS until September 11th.

Announcements

Sid and Jeanette Vogelpohl maintain 2 miles of AR Hwy 309 on behalf of ANPS

Sid and Jeanette Vogelpohl are maintaining a 2 mile stretch of Arkansas Hwy 309 on behalf of the Arkansas Native Plant Society. The sign reads, "...maintained by Arkansas Native Plant Society." Everyone thanked Sid and Jeanette.

UAM Botany Research Building/Sundell Herbarium progress report

Marvin Fawley reported that the fund drive for the UAM building has raised approximately \$210,000. Although architects' estimate of the building cost is now \$350,000, the UAM Chancellor has a plan to construct the building for about \$200,000 and is pursuing that plan. Marvin thanked the ANPS and members

for their early support of the planned building.

Don Culwell announced that his notes on the history of ANPS would be available.

Donation to Subiaco Academy

Richard Emmel made a motion that ANPS donate \$100 for the purchase of Arkansas native plants for Subiaco Academy in appreciation of the use of the meeting room. Appropriate signage that gives ANPS recognition should also be included with the plant gift. If this gift is not appropriate, then the Board will discuss other options. John Simpson seconded the motion and all were in favor. Betty Owen will ask Subiaco Academy about the donation.

Newsletter Articles/Meeting Presentations from Scholarship Recipients

The membership discussed the importance of newsletter articles and/or meeting presentations about research from students that had received ANPS scholarships or grants. This topic will be discussed by the Board at the 2013 Fall Meeting.

Garden Club Garden Tour

A new ANPS member announced a Little Rock garden tour that was scheduled for the first weekend in June. The tour will include 8 gardens around Little Rock and she had tickets for sale.

Update on Atlas of the Vascular Plants of Arkansas

Jennifer Ogle gave an update on the new Arkansas atlas. Currently an independent editor is paginating the index. The atlas should be completed in the summer and available for sale at cost of \$40 (10% discount for ANPS members) at the 2013 Fall Meeting.

Ann Gordon moved to adjourn the meeting and Susan Toone seconded. The meeting was adjourned at 9:00pm.

recorded by Karen Fawley
Secretary ANPS

Proposal to Amend Bylaws

At the 2013 Spring meeting, the Board recommended, and the membership approved a proposal to eliminate two classes of funds in the Treasury (Operating and Memorial). The board has approved the following changes to the bylaws implementing that proposal (and make a minor upgrade to the Treasurer's duties.) This proposal will be presented to the membership at the fall meeting in Mountain View, October 2013 for adoption.

Article V – OFFICERS, Section 1. Positions and Responsibilities, Paragraph e) Treasurer;

Add the following sentence: *“The Treasurer files the yearly “charitable organization” IRS report, and the yearly “Arkansas Annual Report for Nonprofit Corporation”, with the Secretary of State’s office.”*

Article VII – FINANCE, Section 3. Income from Dues
Replace Section 3 with the following:

*“Section 3. Income
The Treasurer receives and deposits all Society income including, but not limited to, dues, proceeds from the Fall Plant Auction, meeting registration fees, funds from Society promotions such as shirt and book sales. Dues received by the Membership Officer are forwarded to the Treasurer along with documentation. All funds from other sources are forwarded to the Treasurer along with documentation.”*

Article VII – FINANCE, Section 4. Income from Other Sources Including Contributions

Delete existing Section 4. And replace it with:

*“Section 4. Expenditures
Funds are spent as authorized by the Annual Budget or the Executive Board. Expenditures for Memorial Awards (Article IX) and Solicited Grants (Article VII, Section 5 below) are by specific Board and Membership approval.”*

Article VII – FINANCE, Section 5. Expenditure

Delete existing Section 5. Expenditure, and replace it with:

*“Section 5. Solicited Grants
Solicited Grants are one-time grants to an entity which has approached the Board for funds for a project consistent with the Objectives of the Society. If accepted by the Board, the Board recommends approval to the Membership. The amount of a grant may not exceed 25% of the total funds in the Society’s accounts at the time of approval.”*

Article VII – FINANCE, Section 6. Solicited Grants

Delete existing Section 6. Solicited Grants and replace it with:

*“Section 6. Audits
An audit of the records of the current Treasurer may be made at any time at the discretion of the Board, after a two-week notice to the Treasurer.”*

Article VII – FINANCE, Section 7. Audits

Delete this section since information is moved to section 6.

In the 1970's I cut my hiking teeth in the Ozarks with “the Bubbas”. We were engineering students from the University of Arkansas. We were all too nerdy and shy to date, so Friday and Saturday evenings were normally spent around a campfire someplace in the Ozark Mountains. We spent weekends canoeing and hiking in the hills and hollows. Over the years, I got a reputation of knowing my way around the Ozarks.

Back in the fall, Burnetta asked if I would lead a spring hike for the Ozark Chapter of the Arkansas Native Plant Society. The 21-mile White Rock death march was obviously out of the question as was Cove Lake to Mt. Magazine and Hemmed in Hollow via California Point. I finally settled on the Cecil Cove loop in the Buffalo National River. The hike was only 8 ½ miles and we could shortcut that if necessary by coming back on the Compton road. It seemed perfect; we would have a combination of upland and riparian vegetation to examine and as a side trip we could venture up into Thunder Canyon. Using the normal estimate of hiking two miles per hour plus a bit for elevation change we would be out five hours tops.

At 9:30, the crew assembled; Burnetta Hinterthauer, Laura Villejas, Mary Alice Larson, Sid Vogelphol, my wife Sharon, and me. It had been raining the prior week and the Buffalo was up. I was concerned about getting across the low water bridge at Erbie. We decided to give it a shot since the alternative was an hour-long route in from Pruitt. We pulled into the parking lot on the east side of the river at the Parker-Hickman homestead and all climbed into my pickup. It was a bit crowded so Sharon volunteered to ride in the bed. She got bounced around a bit. About a rough mile later, we pulled into the trailhead for the Cecil Cove loop.

From the trailhead, the trail leads downhill for about a quarter of a mile to a crossing of Cove Creek where the nice stuff starts. We piled out of the truck, grabbed our packs and headed off down the trail. For about 25 steps! Then we stopped to look at a four-leaf milkweed, in detail. A few steps later we observed wild bergamot, then sun

drops, then spiderworts etc. etc. etc. An hour and a half later we reached the creek crossing.

The crossing at Cove Creek really doesn't cross Cove Creek at all. It is of a spring that comes from the bluffs a couple hundred yards upstream. I have walked by this spring a dozen or so times but never worked my way over to it. The spring was where I really wanted to go.

Several years ago beavers dammed the creek right at the crossing creating a pond of clear water along the bluff. When we reached the creek, I walked across the top of the dam, sinking only a few inches into the water. From there, I followed the trail through some brush and came out along Cove Creek. After that a few large steps got me across some wet spots then the trail headed upstream along river right. I jumped across and set down on a rock figuring some of the crew might need a hand. After a few minutes, boredom set in. Throwing rocks at the creek helped for a while. Still nobody came up the trail. I got restless and started wandering around.

The trail eventually came out on the Beaver pond fifteen to twenty yards upstream from the dam. Back at the dam five people were standing around talking and looking exasperated.

I was a bit too far away to hear everything, but the word mutiny was being used frequently. Back down the trail, several hops across wet spots, a scramble through some underbrush and a walk across the beaver dam and I was reunited with my adversaries. It quickly became clear that crossing the beaver dam was not an option. The best stuff was up ahead; the crew was behind, how to get the two in the same place?

Eventually we managed to find a spot downstream of the beaver dam where everyone could cross the creek using stepping-stones. We sat down on the gravel bar by Cove Creek to have lunch. While we ate our sandwiches, Sid pointed out a cardinal flower.

Back on the trail we finally reached the upper end of the beaver pond and bushwhacked our way to the spring. Coming from the spring were several dozen gallons per minute of crystal-clear, cold water. The vegetation was lush. Rocks in the stream were covered in a thick mat of moss and lichens. Along the bluffs we saw penstemon and columbine. Back from the spring the vegetation included arrowroot viburnum, my favorite, the indigo bush, and purple rocket. Burnetta said this was only the second time

she had seen purple rocket in the Arkansas Ozarks.

We milled around a bit, and eventually worked our way back up to the trail. It was getting hot, so we headed back toward the truck.

The hike back was slightly quicker. The crew didn't have any options but to cross the creek this time. I have to admit, it was one of the best mile and a half hikes I have ever made.

Editor's note: Bob might want to reference the Don Simon quotes that Virginia McDaniel included in her article on the next page. 8 ½ miles is mighty ambitious for an ANPS hike.

Thank you for sharing Bob!

Elect a new Vice President

Our Vice President, Jennifer Ogle has completed her one year term and the executive board has decided to recommend Michael Weatherford for the position. Mike has agreed to serve in the role, which means we (the membership) get a chance to vote to approve his nomination. No word yet on whether Mike is running as a taxonomic splitter or as a lumper.

April Walk on Mt. Magazine

by Virginia McDaniel

It was a cool and misty morning atop Mt. Magazine. For lowlanders, like me, it was like a piece of heaven. I wanted to bottle up that misty morning for later use in July or August.

In any case, leaders were concerned we wouldn't be able to see the flowers for the fog and so arranged an indoor program. A group of us, however, decided to brave the elements and join Brent Baker on an adventure to confirm the location of a Ouachita goldenrod site and look for other interesting plants on the east side of the mountain.

Kate Cross, Ann Gordon, Donna and Bruno Hanke, Susan Hardin, Virginia McDaniel, Jennifer and Isaac Ogle, Betty Owen, and Patrick Solomon all set out. The tree leaves were pondering emergence. We walked past tri-lobed trilliums, gentle geraniums, and velvety violet leaves before encountering our first flower: a bashful bellwort. On up through the dripping oak-hickory forest we walked. Through the miniature mayapple forests and scattered purple and yellow from delphiniums and yellow downy violets. "Have you noticed how the bloodroot's leaf curls around the flower?" Betty asked. Yes, but why? "To protect it and keep it warm until and

while it flowers." A fascinating tip, given the caducous nature of the bloodroot's petals. Wood's bunchflower was pushing up through the leaves and Epling's hedgenettle

Neat! On past a variegated bunchflower, blue cohosh and doll's eyes. This was clearly a rich area.

Then, just beyond a glaucous



Podophyllum peltatum, mayapple forest on Mt. Magazine
photo by Bruno Hanke

too. "Did you ever wonder how dog tooth violet got its name?" asked Brent. Yes. "The European *Erythronium* (*E. dens-canina*) has a small corm that looks like a dog tooth. The name just carried over."

blackberry, there it was, all 5 leaves of it. A glorious Ouachita goldenrod!!!! Confirmation of a new location for an ANHC tracked species! Our mission was complete. Not that we could stop noticing plants the entire walk down the mountain. I like to make this seem like quite a walk up a treacherous peak, but you all can call my bluff. We're botanists. It took us two hours that morning to walk about 200 yards.

"You're slower than a bird watcher."
- Don Simon

"The trail is one mile. You all won't make it." - Don Simon



Veratrum woodii, Wood's bunchflower
photo by Bruno Hanke

2013 Fall Treasurer's Report
January 1 - 31 July 2013

Start FY 2013 → \$20,222.68

ANTICIPATED INCOME

	Budget	Actual to Date	
Membership Dues (+ membership Donations)	\$4,000	\$3,015.00	
Meeting Registration	\$500	\$265.00	
Plant Auction	\$1,800		
Interest	\$100		
T-Shirt Sales	\$0	\$330.00	
Contributions/Donations	\$0	\$195.00	
TOTAL	\$6,400	\$3,805.00	→ \$3,805.00

ANTICIPATED EXPENDITURES

ANPS.Org	\$0		
Claytonia (Print & Distribute 2 Issues)	-\$1,200	-\$451.07	
Directory (Print and Distribute)	-\$700		
Memorial Awards (Awards/Scholarships)	-\$2,000	-\$2,000.00	
Support to Public Gardens (see Fall Claytonia)	-\$1,000		
Meeting expenses (space, copies, speaker, etc.)	-\$500	-\$44.97	
Ecology Camp	-\$500	-\$500.00	
Environthon	-\$500		
Bulk Mail	-\$200	-\$190.00	
Supplies/postage/Misc*	-\$300	-\$126.88	
Buy T-shirts	\$0		
TOTAL	-\$6,900	-\$3,312.92	→ <u>-\$3,312.92</u>

Balance as of 31 July 2013 → \$20,714.76

Respectfully submitted by Don Ford, Treasurer

**Field Trip to Ouachita Mountain Glades
Thursday, October 17, 2013**

Leader: Susan Hooks (501) 282-5365
Email: shooks@fs.fed.us.

Join Forest Service botanist Susan Hooks on a trip to explore glade communities on the Ouachita National Forest. The glades are sparsely covered in cedar and elm trees with exposed rock, which creates a unique habitat for locally rare species such as the aquatic pillwort (*Pilularia americana*), a little fern that looks like a grass with fiddle heads. The glades are near roads and the terrain is fairly flat. We should see a variety of fall wildflowers, grasses, lichens, and mosses. We will begin at Fulton Branch glades and if time permits we will visit other glades near the Mt. Ida area.

We will meet at 10:00 am Burl's Smoke House on US Hwy 270 west of Hot Springs on the west side of Crystal Springs. You will need to bring your lunch and plenty of water.

Contact Susan to sign up for this trip

**Arkansas State Capitol Grounds
Saturday, October 26, 2013 at 10 a.m.**

Starting from the Capitol steps in Little Rock, AR.
Leader Eric Sundell (870) 723-1089



Join us for a tour of the majestic trees of the Capitol grounds, including ginkgo (possibly in fall splendor), a near-champion red mulberry, and a ring of Kentucky coffee trees, two of which should be bearing fruit with fertile seeds.

**Winter Tree Identification for Beginners
Saturday, January 18, 2014 at 1 p.m.**

Rebsamen Municipal Golf Course, Little Rock.
Leader: Eric Sundell (870) 723-1089

Instead of leaves and flowers, we'll use the characters of twigs, buds, and scars to identify trees in winter condition. Ulterior motive: Eric would like help field testing the new "Key to Trees in Winter" that will be included in the Arkansas Forestry Commission's forthcoming edition of their handbook, Dwight Moore's *Trees of Arkansas*. Meet at the golf course Pro Shop off Rebsamen Park Road at 1 p.m. If you plan to attend, please contact Eric at esundell42@gmail.com for more information, directions, and to receive a digital copy of "Key to Trees in Winter."

Please call if the weather looks questionable.



**More Winter Tree Identification for Beginners
Saturday, January 25, 2014 at 1 p.m.**

Allsop Park Pavilion, Little Rock, AR.
Leader: Eric Sundell (870) 723-1089

We'll try the new key and our ID skills on different trees, so feel free to attend one or both Winter Tree ID sessions. The Allsop Park pavilion is in the recreation area off Cedar Hill Road just north of the red light/junction with Cantrell Road. If you did not attend the first week, be sure to email Eric for a digital copy of the "Key to Trees in Winter."

Arkansas Native Plant Society Fall Meeting 2013

When: October 11-13
Ozark Folk Center, Mountain View

Where: [The Ozark Folk Center State Park](#)
1032 Park Avenue, Mountain View,
AR 72560, (870) 269-3851

The Ozark Folk Center is located on 640 wooded acres, just north of the city of Mountain View, a small town of less than 3,000 residents, in Stone County, Arkansas. The Park is approximately 100 miles north of Little Rock, Arkansas; 160 miles west of Memphis, Tennessee; and 300 miles south of St. Louis, Missouri.

The Ozark Folk Center of Mountain View, Arkansas is America's only facility that works to share the heritage and way of life of the Ozark Mountain people. They offer workshops in pioneer crafts, herb gardening, and traditional American folk music, as well as special folk arts & crafts programs for children and seniors.

The Ozark Folk Center is dedicated to providing living history and exists to preserve, document, display, and interpret the cultural and social history of the Ozark region, an area that takes up part of five states: Arkansas, Illinois, Kansas, Missouri, and Oklahoma.

Reservations: ANPS has reserved a block of 50 rooms within the campus of the Ozark Folk Center. All rooms have 2 queen beds; ask for a deluxe room if you want an outside deck. Please call (800) 264-3655 for

reservations. Most likely, the rooms are sold out by now, but if you can get in, be sure to mention "Arkansas Native Plants" when making reservations.

The Skillet Restaurant (open 7am - 8pm) is located on the campus and offers country recipes made with the organic herbs grown in the surrounding gardens. Mountain View offers many other dining choices a short drive from the Folk Center.

Several overflow hotel options are available. Here is a sampling of available motels to choose from: Anglers White River Resort - (870) 585-2226, Americas Best Value Inn - (870) 269-3775, Best Western Fiddlers Inn - (870) 269-2828, Days Inn - (870) 269-3287.

October 11, Friday Registration - \$5 (Preregistration not required)
Bois d'Arc Meeting Room

5:00 - 6:30 - Registration and potluck. ANPSers are encouraged to bring snacks and munchies to share. Drinks will be provided.

All other meals are on-your-own. There are grocery stores and fast food restaurants as well as sit down restaurants in the vicinity (see Folk Center's Skillet Restaurant info above).

6:30-7:00 pm - Field trip announcements.

7:00-10:00 pm - Fall Plant Auction. Bring your native plants, bulbs, seeds,

as well as books, jellies, wines, leatherwood bracelets, and all other things botanical for sale at our annual auction. Proceeds build our Aileen McWilliam and Delzie Demaree grants and scholarships.

October 12, Saturday - Day Hikes
6:30 pm Evening Program
Bois d'Arc Meeting Room

Registration and pot luck snacks begin at 5:30. Info and sign-up for Sunday morning hike available tonight.

6:30 pm - The featured speaker for Saturday night is Tina Marie Wilcox who is the head gardener and herbalist at the Ozark Folk Center's Heritage Herb Garden in Mountain View and has been since 1984. She designs and tends the extensive gardens, plans and coordinates annual herbal events and workshops, and facilitates the production of sale plants, seeds, and herbal products for the park. She has presented countless educational and entertaining herb and gardening programs throughout the United States. Tina serves on the International Herb Association's Board of Directors. She is also a member of the Herb Society of America, the Arkansas Native Plant Society, and the American Botanical Council.

Brent Baker and Jennifer Ogle will provide an update on the Arkansas Vascular Flora Project after the featured speaker Saturday evening. Copies of the new Atlas may be available for purchase!

Continued on next page

General meeting to follow the presentations.

October 13, Sunday: Morning Hike

Field Trip information will be provided Friday and Saturday evenings.

ANPS T-Shirts: Remember, T-Shirts are only available for sale at the Spring and Fall meetings. Please do not ask to reserve one or that we mail you one. We can't. For more information about the ANPS T-Shirts, (See website under About)

QUESTIONS? MORE INFORMATION?

Contact Betty Owen at pjmbowen@gmail.com or Eric Sundell at esundell42@gmail.com.

Small Grants Available

Does a school or park in your community need help with a native plant garden?

Is there a project on your wish list that involves protecting or conserving Arkansas' native plants or educating folks about them?

If you could use some modest financial support for such an effort, contact the ANPS President with a description of your project and a proposed budget. See the officers' box on the last page for contact information.

New Members and Life Members

New Members

Rebecca Coble
(Bull Shoals, AR)

John and Mary Latendresse
(Little Rock, AR)

Judy Dorsey
(Arlington, TN)

Richard and Margaret Lincourt
(Little Rock, AR)

Larry and Glenda Field
(Bonnerdale, AR)

Dorothy Mangold
(Fayetteville, AR)

Darrell Geisler
(Wheatley, AR)

Joan and Frank Meeks
(Little Rock, AR)

Patty and Tommy Gibson
(Little Rock, AR)

Cindy Parsons
(Fort Smith, AR)

June Harris
(Hot Springs Village, AR)

Sue Powell
(Little Rock, AR)

Mary Hughes
(Chester, AR)

Carole Sue Schafer
(Mabelvale, AR)

Elleen Hutcheson
(Cave Springs, AR)

Jack and Roxanne Siegrist
(Mena, AR)

Jon and Mary Alice Larson
(Springdale, AR)

Mary Stewart
(Monticello, AR)

Sheryl Whited
(Conway, AR)

New Life Members

Breck Campbell
(Little Rock, AR)

Susan McNutt
(Mountain Home, AR)

Dave Danner
(Conway, AR)

Robert (Joe) Stuckey
(Doddridge, AR)

Return to the Blackland Prairies with Theo Witsell

Last fall, we visited Terre Noire Natural Area and Columbus Prairie Preserve. On Saturday, May 18th, Theo Witsell with the Arkansas Natural Heritage Commission led us on a return trip to re-examine these sites. Instead of the drought-starved example of prairie tenacity we'd seen last fall, this time we saw nature enjoying the good times. The prairies were seas of green, dotted with clumps of flowers. The photographers in the group had no shortage of photogenic flora.

If you aren't already familiar with the topography of Terre Noire, it is a gently varied terrain. The points of higher elevation are those most likely to be open prairie. The lower points, which seem to retain a little more water, support more arboreal species. Their branches provide habitat for the shade loving-plants. This mix of prairie, forest, and the transitional woodlands between them is part of what makes Terre Noire one of the most botanically diverse in the state. Almost 500 species have been documented there, which makes it one of the highest quality blackland prairie and woodland sites in Arkansas' Gulf Coastal Plain.

Terre Noire was exquisite in May, with many different species of natives both in bud and in bloom. One of the first interesting inhabitants was *Pyrrhopappus pauciflorus*, known as few-flowered desert-chicory. Several prairie indigo, *Baptisia nuttalliana* were spotted, mostly on the slightly

shaded borders, along with roughleaf dogwood, *Cornus drummondii*. We had a moment of extra excitement



Frasera caroliniensis, American columbo
photo by Eric Hunt

when we came upon a 4 foot long coach-whip snake that quickly made its getaway into a burrow.

In the open areas, pale purple coneflowers, *Echinacea pallida*, were just starting to open, and some interesting varieties of milkweed, *Asclepias viridis*, *Asclepias viridiflora*, and *Asclepias variegata* were actively tended by bumblebees. At one point, we even got to see a bumblebee nest among the roots of a fallen tree. Narrowleaf vervain, *Verbena simplex*, was common. *Penstemon digitalis*, foxglove beardtongue, was scattered around.

In one of the border patches, American columbo, *Frasera caroliniensis*, was in spectacular bloom. These plants stood over 7 feet tall with fully a half of that length inflorescence. They apparently do not bloom every year, so seeing a few of these big beauties was a treat. The native Indian plantain, *Arnoglossum plantagineum*, was also a fan of the slightly shaded area.

One of the shady low lying areas had numerous healthy clumps of green dragon, *Arisaema dracontium*, some even in bloom. Ear-leaved goldenrod, *Solidago auriculata*, was present in large numbers, but of course it doesn't bloom until the fall. A few *Tradescantia hirsutiflora*, hairy spiderwort, were also in the shade along with a couple examples of greenvein ladies' tresses orchid, *Spiranthes praecox*.



Asclepias variegata - photo by Eric Hunt

Continued on next page

Near the end of our Terre Noire tour, one of our many experts spotted a beautiful Indian pink, *Spigelia marilandica*. It was under a small tree and you really had to know what you were looking for to spot the blood-red buds and pink flowers. I heard more than one exclamation of WOW!



Spigelia marilandica, indian pink
photo by John Perrin

Overall, the only negative of the site is the profusion of fire ant mounds. You really have to pay attention to where you're standing or you might get some extra incentive to keep moving.

About an hour further southwest, closer to Hope, is The Nature Conservancy's Columbus Prairie Preserve. This preserve was our second stop of the day. It is a unique plot that is near the Rick Evans Grandview Prairie. While it may not have quite the variety of Terre Noire, it makes up for it in sheer volume of

flowers. Back in the fall, the footpath had so many asters and giant sawtooth sunflowers that we were really impressed. The spring showing was just as impressive. Once you get a hundred or so feet along the footpath, it opens up into an area rich



Penstemon cobaea, beardtongue
Photo by Eric Hunt

with showy beardtongue, *Penstemon cobaea*. The beardtongue was followed quickly by a large stand of Great Plains larkspur, *Delphinium carolinianum* ssp. *virescens*. Another few yards down the trail Theo found the toxic deathcamas, *Toxicoscordion nuttallii* (formerly *Zigadenus nuttallii*). Its flowers were similar to the meadow garlic we saw further into the preserve.

Eventually we got to what looked like a sea of compass plant, *Silphium laciniatum*. They were not quite knee high, and their rough leaves provided welcome relief to the itchy Terre Noire fire ant bites. That's another great thing about the Columbus Preserve: it has very few fire ants,

once you get out of the parking lot. Intermingled among the compass plants was the most deeply red-orange butterfly weed, *Asclepias tuberosa*, that you could imagine. Pale purple coneflowers, *Echinacea pallida*, were scattered about,

sometimes in fairly large groups. A very showy meadow garlic, *Allium canadense* var. *mobile*, and Indian



Toxicoscordion nuttallii, deathcamas
photo by Eric Hunt

plantain could be found in large numbers.

We ventured back into a wooded area to see if the *Sophora affinis* tree, Eve's necklace, we'd seen last fall was in bloom. Unfortunately it was not. Eventually we left the woods, through an area near a small creek and found more variety. Milkweed of the *Asclepias viridis* variety were plentiful on that side of the creek and the bumblebees were happy about that. It is interesting to see them work the flowers. They actually wedge themselves deep into the large flower heads.

road. What we saw when we arrived at "the spot" was a colony of native yucca plants, in full bloom. One of the scientists of the group collected a specimen for his research on native *Yucca*. The bulbous root was about the size of a softball. It was educational just to find out there are collection bags that will hold a plant that large.

I did not catch the name of the yucca, as there seemed to be some debate among the experts as to its id. Final word was that it was a *Yucca*

louisianensis, Louisiana yucca. It was a perfect example of the wild things we are sometimes lucky enough to see. Thank you, thank you, Theo and the other experts, for making our day such a discovery-filled adventure.



Yucca for science, *Yucca louisianensis*
photo by John Perrin



Asclepias viridis
photo by John Perrin

After a few minutes there, we took a less circuitous route back to the vehicles because we knew our day was not over yet. Theo had one more site for us to visit. The bonus site was on private land and took a little while to drive to. Some of the rutted roads were a little iffy, but we eventually got everyone through the locked gate and into vehicles with higher clearances for the last stretch of the



Asclepias variegata photo by Eric Hunt. Close-up view of flower on same plant as page 14, bottom right

ANPS Membership Application

Membership Categories – Select Type

Application Purpose

- New Member
- Renewal
- Address Change

	Type	Amount
<input type="radio"/>	Student	\$10
<input type="radio"/>	Individual	\$15
<input type="radio"/>	Supporting	\$20
<input type="radio"/>	Family Membership	\$25
<input type="radio"/>	Contributing	\$30
<input type="radio"/>	Lifetime Membership (age 55+)	\$150
<input type="radio"/>	Lifetime Membership (under age 55)	\$300

Name (s) _____

Address _____

City _____ State _____ Zip _____

Phone (_____) _____ - _____

E-mail _____

Please send this form and your dues directly to the ANPS treasurer.

Don Ford
4017 Bluebird Lane
Little Rock, AR 72210

For other membership questions, please contact the membership chair Mike Burns at
anps.membership@gmail.com or (479) 229-2185

Arkansas Native Plant Society is a non-profit organization

Seeking Volunteers – Botanical Garden of the Ozarks in Fayetteville

Lissa Morrison, Lead Gardener of the Botanical Garden of the Ozarks in Fayetteville, is seeking ANPS volunteers to help with the upkeep of the native plant portion of the gardens. Tasks would include weed pulling, pruning, mulching, plant identification and labeling (Jennifer Ogle has already volunteered to help with this!), and generally making the garden look so beautiful that visitors are inspired to plant natives in their own gardens



Claytonia

Fall 2013
Newsletter

Please check your mailing label!

The calendar year is the membership year. If your mailing label says “13” or earlier, it is time to renew (Life members should have a “LF” on their label).

To renew your membership, please fill in the information form on the opposite side of this page and send it with your renewals, applications for membership, changes of name, address, e-mail or telephone number to the address on the form **[Not to the editor]**.

Thank you.

ANPS Officers	
<p>President Eric Sundell esundell42@gmail.com (870) 723-1089</p>	<p>Secretary Karen Fawley fawley@uamont.edu (870) 460-9452</p>
<p>President-Elect Betty Owen pjmbowen@gmail.com (501) 472-6920</p>	<p>Awards & Scholarships Mary Ann King office@pineridgegardens.com (479) 293-4359</p>
<p>Vice President Jennifer Ogle ranunculus73@gmail.com (479) 957-6859</p>	<p>Membership Chair Mike Burns anps.membership@gmail.com (479) 229-2185</p>
<p>Treasurer Don Ford anps.treasurer@gmail.com (501) 821-9353</p>	<p>Editor John Perrin jperri@acxiom.com (501) 831-0970</p>
<p>Web Contact Martha Bowden anps.web@gmail.com (501) 803-9545</p>	

President’s Message by Eric Sundell

What a cool, wet, lovely spring and early summer we have had...so far—I’m writing these words on August (lucky) 13th with hopes that the droughtgeist is roving far from the beautiful state of Arkansas. If good luck continues, we’ll have lush hardwoods and an abundance of wildflowers for our fall meeting, scheduled for October 11-13 at the Ozark Folk Center in Mountain View. Remember that the fall meeting is also the time of our annual auction (Friday evening), so pack your vehicle with a pot or two of native plants, a jar of French-mulberry jelly, or a bottle of elderberry wine, and join us at one of the most interesting and picturesque sites in the state. All plant auction proceeds are used for grants and scholarships.

ANPS is always looking for members to lead local walks, fall and spring. If there is an intriguing botanical spot near you, consider inviting us for an outing. (And remember, we need a leader who knows the trail but not necessarily all the plants.) A few such walks and workshops are announced in this issue of *Claytonia*. And now with our tech-savvy executive board, we have an excellent, up-to-date website as well as impressive, short-notice email capabilities by which to inform members of events at any time. We do not have to rely on *Claytonia* alone to announce these field trips anymore! Whenever the spirit moves you, contact the president-elect, and that’ll get the ball rolling.

See you in Mountain View!