



Claytonia

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President's Message

First I would like to thank all of you who were at the fall meeting at Mountain View for helping create another informative and productive gathering. Specifically, I appreciate the preliminary help of Don Crank and the hosting by Karen Tinkle. And of course a tip of the hat to our auctioneer Carl Amason whose gentle charm and knowledge coaxed \$1200 from our group of plant-loving enthusiasts. This leads to thanks for all who contributed items to the auction enabling Carl to work his magic.

I am looking forward to the coming year as I continue to meet and learn more of the strengths of our members. I welcome participation by everyone- suggestions for outings, volunteering for a pet project, or just calling to visit about a special plant or habitat.

I hope the individual chapters with chairs John Pelton, Bob Clearwater, and Mary Ann King will be able to continue their aggressive outing schedules in addition to state society activities. I know it can be a bit intimidating at first to hear Latin names discussed freely by the professionals and experts among us- and yet these same folks have always been gracious in pointing out and identifying the most common of plants. We all learn something every time we go out, so please **BE ACTIVE AND INVOLVED.**

I appreciate the trust you showed by electing me as your president this year. I will do my best to make it a good year for the society.

Let's all work together and have fun.

Spring General Meeting Petit Jean State Park March 31-April 2, 2000

"In the beginning (of spring; of ANPS; of the State Park System)"

The year 2000 will mark the 20th anniversary of the Arkansas Native Plant Society, and the 77th anniversary of Petit Jean State Park and the Arkansas State Park System. Spring has been around a lot longer, but comes back faithfully in Arkansas each March. How better to celebrate all three events than by gathering at Petit Jean next March 31 and April 1? Early spring wildflowers will be all over the place, there is an abundance of trails, some very easy and others a bit more challenging, accommodations are wonderful, and Petit Jean Mountain is a beautiful spot to be. Our headquarters will be Mather Lodge in Petit Jean State Park, on Highway 154 about 20 miles southwest of Morrilton.

We've lined up an outstanding program for Friday and Saturday evenings:

Carl Slaughter, who lives on the mountain, will give his slide program "The Seasons" on the flowers and sites at Petit Jean through the seasons. As many of you know, Carl's slides are superb.

Steve Dunlap, a Park Interpreter at Petit Jean, will present his program, "Petit Jean Scrapbook", which includes some of the oldest pictures known of the park.

Bill Shepherd will share insights into the making of the beautiful video entitled "Arkansas' Natural Heritage", which you may have seen on public television.

Carl Amason will coordinate a program on the first 20 years of the Arkansas Native Plant Society, including slides and videos showing members on some of our first field trips.

Your part in the program. In addition to being there, see if you can locate a few choice slides or snapshots of members on field trips in years past, and loan these to Carl Amason for his program. Carl's address: P.O. Box 164, Calion, AR 71724. Carl's phone: 870-748-2362.

Field trips on Saturday.

We will visit parts of the 20-mile system of trails in the park, including three trails designated as National Recreation Trails because of their rich history and scenic beauty. For example, the Park's trails map describes Seven Hollows trail as "one of great diversity contrasting the beauty of the lush moss and fern understory of the hardwood forest, the sometimes immense rock formations created by centuries of erosion, and the starkness of the rock fields supporting near desert-like conditions." Several of our walks will start right from the lodge area where we will be staying, and none are more than a 5 minute drive from the lodge. We should see a rewarding range of wildflowers in the varied habitats in the park. There will be enough of our experienced "posey-pickers" on hand to guide small groups on the walks. Carl Slaughter also promises to show us a few choice locations for wildflowers near the park.

Those staying over Saturday night will find plenty of spots to see on Sunday that they didn't get to the day before.

Accommodations.

Mather Lodge has meeting facilities right in the restaurant, where we will be served the evening meal on Friday and Saturday at 6:30, with our programs to follow in the same

location. The meal charge will be about \$8.95, to be paid to ANPS when you arrive and register for the meeting. Call Robert Wright by March 24 to reserve your meals.

Rooms in Mather Lodge have either 1 or 2 double beds, and are \$50 or \$55 for two people.

Overnight cabins that sleep up to 4 people are \$60 for two people.

Cabins with kitchens and fireplaces, sleeping up to 6, are \$80 for two people.

Deluxe cabins with hot tubs are \$120 for two people.

There is a charge of \$5 for each person over two in any of the rooms or cabins.

Camping is available at 127 sites in the Park, including 38 pull-through sites. Fees are from \$13.50 to \$17.

Lodge, cabin and campsite reservations can be made by calling 1-800-264-2462.

If you plan to stay at Mather Lodge in a room or cabin, get your reservation in now!!!!!!!

As of the date this issue of Claytonia was mailed, virtually all the facilities were available, but that is because we blocked them all out in early October. The Lodge would not hold them for us, however, unless we handled the reservations ourselves. ANPS does not need to be in the business of handling room reservations, so we unblocked them the day Claytonia was mailed. There are over 20 rooms and 30 cabins, enough for most all of us to fit, especially if we double up. So check with your friends and then get on the phone to Mather Lodge (or get on the phone to the Lodge first and then check with your friends).

In case you do not stay in the Park, here are a couple of alternatives:

Cedar Falls Motel on Petit Jean Mountain near the Park. About \$40 to \$46 for two people. Phone 501-727-5636. This is the spot to try if Mather Lodge facilities are full, but it is not large so call without delay.

EconoLodge in Morrilton, about 40 minutes away. About \$50 for two. Phone 501-354-5101.

Best Western in Morrilton, about \$60 for two. Phone 501-354-0181.

To recap, here are the two steps you need to take:

- 1) Call Mather Lodge at 1-800-264-2462 to make your room or campsite reservation **now**.
- 2) Call Robert Wright at 501-771-0312 (home) or 758-4477 (work) to reserve a spot at the dinner table. Deadline March 24.





Fall Meeting Minutes

General meeting

Mountain View, Arkansas

October 2, 1999

The fall meeting of the Arkansas Native Plant Society was brought to order at 7:00 o'clock, p.m., at the Ozark Folk Center Auditorium, John Simpson, President Elect, presiding. Karen Tinkle, Wildlife Biologist of the Ozark National Forest presented slides and a talk.

SECRETARY'S REPORT: Carl Amason moved to accept the minutes of the spring meeting as printed in the Claytonia. Mary Ann King seconded. Jason Anders pointed out that the funds for the Flora Project comes out of the Dwight Moore account rather than the Delzie Demaree account as stated in the minutes. The minutes were approved as corrected.

TREASURER'S REPORT: The Treasurer's Report was distributed to the members show a balance of \$5,037.05 in the operating fund and \$19,517.29 in the scholarship and award funds. Jason reported that about \$1140.00 was

collected at the auction on Friday night. Gary Tucker moved to accept the Treasurer's report; Carl Amason seconded. The Treasurer's Report was approved.

OLD BUSINESS: It was announced that ANPS has 5,000 new pamphlets in color through the efforts of Carl Hunter.

Dr. Johnny Gentry reported on the progress of the Flora of Arkansas project. It was estimated that the *Atlas* will be out in two to three years, the *Arkansas Vascular Flora* in eight to ten years. In November format will be created, the University of Arkansas Press will be contacted. The cost of the project will be known in the spring. In order to speed things up, Dr. Gentry would like to fund teachers during the summers. Dr. Gentry introduced Edith Hudson, a graduate student working on the Flora Project, who presented slides on what had been done this summer, what had been collected and where. She reported that the most uncollected counties in the state were Lafayette, Little River, Miller, Jackson, Jackson and Woodruff. The worst collected were Jackson and Woodruff.

Ron Doran asked for articles for Claytonia.

NEW BUSINESS: Annette Holder, chairman of the Scholarships/Awards Committee announced a \$800.00 Aileen McWilliam scholarship has been awarded to Sherry Puterbaugh. She is studying the way Japanese honeysuckle propagates itself.

John Simpson reported on a Forest Service project in which ANPS would purchase packets of coreopsis seeds to be distributed to members of ANPS and the public at wildflower conferences, schools, conventions, etc., at a cost of fifteen cents per packet. ANPS' name as well as other native plant societies will appear on the packets. The Executive Board recommended purchasing 1000 packets at a cost

of \$150.00. Carl Amason moved that ANPS purchase the packets; Linda Gatti Clark seconded, the motion passed. John Simpson will store the packets.

Robert Wright, Vice-President, asked for suggestions for the spring general meeting as to location and gave his e-mail address, rjwright@aristotle.net, for anyone who had any suggestions concerning this or day trips this fall. He announced a trip on December 11 at Carl Amason's home at Calion to begin at 9:00 a.m.

NOMINATING COMMITTEE REPORT: The Nominating Committee presented a slate of officers: Lana Ewing, First Vice-President; Sue Clark, Secretary; Carl Amason, Historian. The Executive Committee recommended the slate be accepted. Nominations were requested from the floor. Linda Gatti Clark moved to accept the slate; Mary Ann King seconded. The motion passed.

Jason Anders drew names taken from the registration sheet and gave out door prizes. At 8:50 o'clock, p.m., the meeting was adjourned.

Sue Clark, Secretary



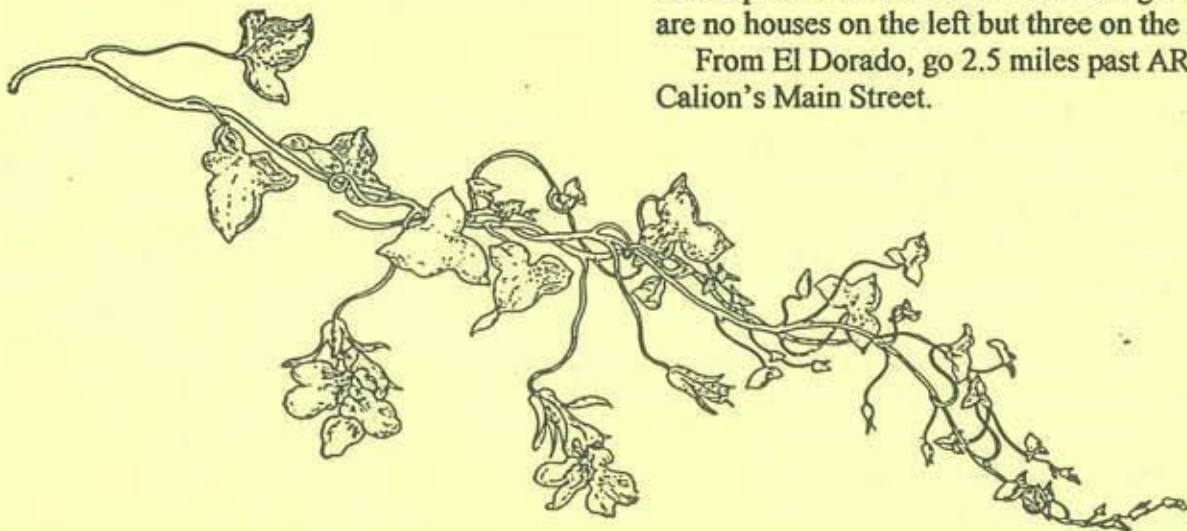
Late Fall Field Trip-Calion

December 11, 1999

Carl Amason will be leading another of his famous plant exploration trips. You might not go far but you will learn a lot!! Meet Carl at his place at 9:00.

Directions: Those coming from the north follow US 167. When the concrete of the Ouachita River bridge changes to blacktop go 0.9 mile to the intersection of Calion's Main Street. (It doesn't cross 167) turn left and then go 0.5 mile cross the old railroad ramp, turn right onto Hoover Street between two cyclone fences. Go one block. Turn right on Ward Street, which curves and crosses the end of Calion Lake. Go 0.5 mile where Ward becomes a county road. Carl's place will be .08 mile on the right. (There are no houses on the left but three on the right.)

From El Dorado, go 2.5 miles past AR 335 to Calion's Main Street.



Field trip to Baker Prairie

May 20, 2000

Come to Harrison on Saturday, May 20 to see Baker Prairie in its spring glory. Burnetta Hinterthuer will meet us there at 11:00 a.m. to show us prairie willow, Ozark trillium, and grass pink orchid among the many interesting species at this lovely spot. Baker Prairie is adjacent to Harrison High School on Goblin Drive on the west side of the city. Bring a sack lunch with something to drink. Call Burnetta at 501-582-0467 for more information.



Fall Meeting Field Trips Reports

by John Simpson

On October 2, a pleasant early fall day, approximately forty members and guests of the Arkansas Native Plant Society fall meeting at MountainView were led into special areas of the Ozark National Forest by wildlife biologist and host Karen Tinkle. We first went to City Rock Bluff, a broad expanse of stone glade habitat high above the White River. The glade was once the setting for a movie (The Bootleggers) quickly relegated to the drive-ins and soon forgotten- but we were there for the plants. Typical glade plants such as Fame Flower

(*Talinum calycinum*) were identified though most had bloomed previously and showed the desiccation typical of glade plants following a long dry spell (as we certainly had in late summer). A Ladies' Tresses was found at the edge of the glade- an orchid with true survival skills. Gary Tucker led a group over to the Ovate Catchfly (*Silene ovata*) and Hay-scented Fern (*Dennstaedtia punctiloba*). We then caravanned to what seemed a path into an ordinary part of the forest but soon we were among a grove of Ashes' Junipers (*Juniperus ashei*), American Smoke Trees (*Cotinus obovatus*), and the grand-daddy of all Gum Bumellias (*Bumellia lanuginosa*).

After lunch we hiked along Mill Creek, the stream formed by Blanchard Springs. Plants along this west-facing hillside certainly showed distress signs of drought -some trees turning earlier than expected and many just dropping their leaves. Several plants of interest here were Blue Cohosh (*Caulophyllum thalictroides*), Woodsia ferns (*Woodsia obtusa*), and a nice Pawpaw patch (*Asimina triloba*). Several members crossed the stream and found the colony of Pale Gentian (*Gentiana flavida*).

On Sunday, October 3rd, a smaller but game group followed Karen deep into the forest to the mouth of Roland Cave where a disjunct colony of Spinulose Woodfern lives at the mouth of the cave. This was a new fern for many members and a pleasant way to conclude the outings of the fall meeting.





Fall Colors

Via Annette Holder

Many myths and folklores have always surrounded this spectacular fall phenomenon. For example, Native Americans theorized that in autumn the Great Bear constellation (Big Dipper) was killed and the blood dripped down to Earth onto some of the leaves making them red. While the meat was cooking, fat dripped over and colored other leaves yellow.

Even today some people aren't quite sure what causes leaves to change color. The primary factor is the photoperiod, or amount of sunlight a region receives during the course of a year. As the fall season marches on, the day become shorter. The decrease in sunlight intensity, shorter hours, and cooler temperatures reduce the growth and food-making processes that normally flourish during the spring and summer seasons. Plants rely on sunlight for energy and nutrients. Each leaf contains chlorophyll, which absorbs sunlight energy to make food for the plant through a process called photosynthesis.

A couple of weeks before the leaves change color, hardened cells form at the base of the leaf due to decreased photosynthesis. This layer blocks nutrients and moisture flow to the leaf inhibiting further chlorophyll production. The chlorophyll begins to breakdown as the tree absorbs the nutrients into the trunk and eventually, the roots. As this occurs, the green color starts to diminish since chlorophyll reflects green light. The other pigments that have existed all season begin to appear. Some leaves turn red and purple. This is due to some of the sugars being trapped in the leaves. These extra sugars protect the leaves longer.

Another phenomena is when leaves on the same tree turn different colors. This is due to varying amounts of sunlight and temperatures.

Yellow Leaf Species

American Elm	Hickory	Black Gum	Dogwood
Basswood	Birch	Red Maple	Red Oak
Honey Locust	Beech	Sassafras	Silver Maple
Sugar Maple	Willow	Sumac	Sweet gum

Red Leaf Species

A HISTORICAL BRIEF

Time Lab 101

By Carl Slaughter

Jim Daulton of Portsmouth, Ohio was on a fishing vacation in eastern Kentucky, in 1951, when he came upon a large beautiful lady's-slipper orchid. Jim knew enough botany to know that this was not the slipper that he knew. It was larger and bloomed later than the others that he knew. Dalton removed two plants to his home where they thrived and formed large clumps.

Jim Daulton invited everyone that he could think of to come and look at the orchid. A few came but no help was forthcoming. He did send a whole plant to Donovan S. Correll, who in 1938 had published *Native Orchids of North America*, and was the orchid guru at that time. Daulton did not receive a reply from Correll.

In 1977 Victor Soukup traveled from Cincinnati, Ohio, to Kentucky, where Daulton directed him to the original orchid site. Soukup reported this find in a pamphlet of the Mid-American Orchid Congress. Soukup named the orchid after Jim Daulton, *Cypripedium daultonii*. Jim Daulton was ecstatic! After all the years and after all the work just to have anyone look at it, not only had he succeeded in having people agree with him, the orchid was named for him. Oh, how sweet and wonderful! But wait, Victor Soukup had not followed proper procedure in the naming of the orchid. He had not described it in Latin.

In 1981, Clyde Reed of Maryland, published in *Phytologia* a proper Latin description with specimen citation a new orchid find which he called by a different name. It was the same orchid that Soukup had named *C. daultonii*. Since this name was invalid because of improper naming, what we would now be calling *Cypripedium daultonii*, named by Victor Soukup, we now know as *Cypripedium kentuckiense*, the Southern Lady's-Slipper named by Clyde Reed.



KArB

The Keep Arkansas Beautiful Commission announces the organizational gathering of the **KArB AFFILIATE NETWORK**

The Network will allow communities to form a strong coalition for accomplishing their goals within the three-fold mission of KArB: controlling litter, encouraging recycling, and enhancing the beauty of our Natural State.

Any community group or individual citizen may begin this process for their area by doing the following:

- Fill out and return the enclosed form
- Plan to attend our Orientation Meeting
- Nov. 9, 1999, 9:30 a.m. - 12:00 Merrill Lynch (conference room)
Cypress Plaza - Third Floor
2200 Rodney Parham Rd. (at Hinson)
Little Rock, AR 72212
- Invite others in your community to join you in attending on the 9th.
- R.S.V.P. to the KArB office (682-3507) for the number of attendees in your group by 11-1-99.

It's that easy to begin! Each community is unique, and has it's own needs and resources. We will provide materials, leadership training, project ideas, mentoring by experienced professionals to assist you, and an awards program to recognize your accomplishments. We know that you will want to be among the first to get on board. You will be able to help shape this new statewide force to

Keep Arkansas Beautiful.

Let us hear from you today!

Linda R. Westergard - co chairs - Bill Goodwin
 (501) 868-8905 (870) 867-4313
 Pinnacle@arkansas.net blbgood@ipa.net



Arkansas Native Plant Society Membership Application

Please check below.

Membership Categories:

- ☐ \$10..... Student
- ☐ \$15..... Regular
- ☐ \$20..... Supporting
- ☐ \$25..... Family Membership
- ☐ \$30Contributing
- ☐ \$150.... Lifetime Membership
(55 and over)
- ☐ \$300Lifetime Membership
(under 55)
- ☐ New Member
- ☐ Renewal
- ☐ Address Change

Name _____

Address:

Street or Box _____

City _____

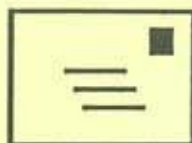
State..... Zip _____

Telephone: _____ - _____ - _____

E-Mail address _____

Please cut and send this form along with any dues to:

**Eric Sundell, Membership ANPS
 Division of Mathematics and Science
 University of Arkansas
 Monticello, AR 71655**



Please check your mailing label!
If your mailing label has a 98 or earlier it is time to renew!

Life members will have an LF

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 address or telephone numbers to the address given on the form: [Not to the editor.]

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The purpose of the Arkansas Native Plant Society

is to promote the preservation, conservation, and study of the wild plants and vegetation of Arkansas, the education of the public to the value of the native flora and its habitat, and the publication of related information.

CLAYTONIA

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