

*The purpose of the Oklahoma Native Plant Society is to encourage the study, protection, propagation, appreciation and use of Oklahoma's native plants.*

Volume 25, Number 4  
Winter 2010

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**15 February 2011**

# Gaillardia

The Oklahoma Native Plant Society Newsletter

## CALENDAR

Note: the events dated below are followed by either a page number for further descriptions or the contact person.

**Nov 29:** Central Chapter meeting, Mark Howery will talk on what woody plants provide birds. Page 9

**Dec 6:** Northeast Chapter meeting, Pot luck dinner and a presentation by Ron Tyrl. Page 8

**February 5:** Indoor Outing in Stillwater: Botany Is A'Changing: New Ways of Looking at Our Native Plants. Hosted by Cross-Timbers Chapter. Page 9

**March:** OSU Edmon Low Library Spring Lecture in Botany series. Daryl Baldwin speaking on understanding and preserving traditional ecological and botanical knowledge. Cohosted by Cross-Timbers Chapter. Date to be announced. Page9

**April 30:** Cross-Timbers Chapter Field trip to Pat and Les Imboden's restored prairie in search of the celestial lily. Page 9

**June 4:** Cross-Timbers Chapter Field trip to Sonja Hanon's restored prairie in search of spring wildflowers. Page 9

Remember the third Friday of each month is the Fabulous Wildflower Friday in Tulsa. Page 8

Note: all members are invited to all meetings, including board meetings, and are encouraged to bring guests.

## ONPS THANKS THESE DONORS

General Fund

Jona Turner

## PRESIDENT'S PARAGRAPH

Lynn Michael

Many ONPS members have visited my family's property at Eufaula. My brother said, "I know why I go out in the woods to look for deer and animal tracks, and I know why Cousin Russ goes out there, to get fire wood. But I can't figure out what you all are doing out there!" Many people wonder what we are doing "out there", especially in the autumn and very early spring when not much is blooming. But, we REMEMBER. I don't shuffle when I walk, but in the fall I love to brush the fallen leaves as I walk and listen to the sound of the rustling leaves. We see the seed heads and remember the bright yellow of the goldenrod and vivid purple of the ironweed. We look at the stems of the frostweed and check for signs that the frost flowers have formed. So even when others see bare fields and barren forests, we see the promise of new life to come. We also see the multitude of colors of the lichens and bark and rock formations in the landscape. We just need to let others know how to see and hear these same beauties.

Many charitable, civic and social organizations are struggling for helpers with families needing two incomes to cope. Yet, there is more emphasis in our world today on leaving a smaller carbon footprint, and remodeling to become more environmentally friendly. More and more programs are being offered through colleges and universities to equip students as environmentalist, conservationist, ecologist and the like. Lands are being set aside as nature reserves in Oklahoma and naturalists are at those parks teaching and exposing young people to the benefits of diversity in our natural world. In this climate, Oklahoma Native Plant Society is the organization where these students can come for more information about the native plants that they have been briefly introduced to during their schooling, but will be dealing with daily in their jobs. We hear constantly from naturalists that they need help identifying the plants that they are asked about. We need members to send me their email addresses and let me know that they will help publicize our activities in their local area and reach this next generation of native plant enthusiasts. If your town has a local newspaper and you could be sure they receive a news release, we need you. If there is a college or university

where you could post news articles or membership flyers, we need you. If you can attend your local group field trips and meetings and visit with newcomers about plants, we need you.

Help us get the word out about these great upcoming events. The Cross-Timbers Chapter has been very busy planning a great Indoor Outing for us in February. Send in your registration and plan on joining us there. We will have vendors, a silent auction and a generally educational and enjoyable time. The Wildflower Workshop is scheduled for May 13-14, 2011 at Chandler at the Route 66 Interpretive Center. Look for more information about that in the next newsletter. In the meantime, attend your local meetings and field trips and bring a friend. Also, kick a few leaves for me and open some milkweed and trumpet vine seed pods and let the seeds fly.



## IMPORTANT GENERAL NOTICES

This year there were three winners of the Harriet Barclay Award; Colleen Bennett, Lauren Heald, and Natalie Sampson. Congratulations to all!

Priscilla Crawford has provided ONPS with two listservs. One is for members to communicate with all other members that are on this listserv. This will replace my or Tina forwarding messages to all members with email addresses. So be sure to join this listserv.

The other is for just those that wish to have plants identified or discuss plant items. I hope that members that can help with identifications and other plant questions will join this latter listserv as well. To be added to either or both, send your email address to Priscilla at [prill@ou.edu](mailto:prill@ou.edu).

Please note Editor Chadwick Cox has changed his email address to [chadwick.cox@att.net](mailto:chadwick.cox@att.net)



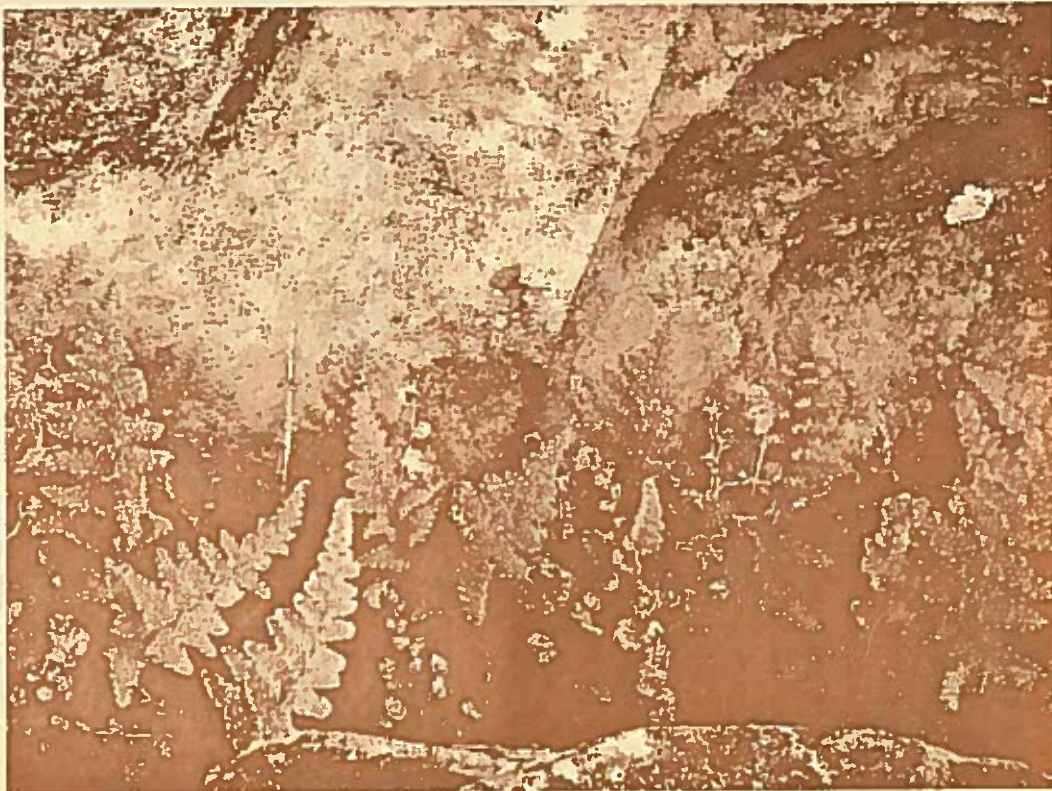
## OKLAHOMA MAIDENHAIRS

Bruce Smith

I am crazy about Oklahoma ferns. I guess that would make me a "Pteridomaniac." I am so grateful that my mentor, Dr Tyrl, asked me years ago to work on the Oklahoma ferns. After more than fifteen years, and many fern forays later, I still can't get enough of them. Whether it is searching for that "elusive fern", the ones I have never seen like *Cheilanthes horridula* and *Cheilanthes lindheimeri*, or visiting some "old friends" in familiar locations, or even better yet, finding them in a location where they have never before been seen; it never gets old.

I especially enjoy the maidenhair ferns, family Pteridaceae. It would be hard not to like a family of ferns that grows out of rock and come in several colors and shapes. You can find white, cream, canescent blue and green maidenhairs. They come in a variety of shapes, that include fan-like, triangular, lance-like and even star-like in outline. The maidenhairs are for the most part xeric adapted. They can be found in all regions of Oklahoma, including the Panhandle. If you can find a sandstone, granite, or limestone rock outcrop, then you have a good chance of finding at least one of the seventeen species of maidenhairs. General characteristics (with exceptions in some genera and species) include a false indusium formed by the curled margins of the blades, thickened blades and scaly and or hairy blade surfaces, and blades compound or deeply dissected.

My favorite genus in the family is the lip ferns, genus *Cheilanthes*. The genus in Oklahoma is made up of eight species. Four of these eight are species of concern, according to the Natural Heritage Inventory. The four species of concern include: *C. alabamensis*, *C. horridula*, *C. lindheimeri*, and *C. wootonii*. The species in this genus can be very difficult to identify. In order to correctly identify them you must carefully examine their blade complexity and abaxial blade surfaces with either a hand lens or better yet a stereo microscope.



*Cheilanthes wootonii*, Wooton's Lip Fern. Hoot Owl Ranch in Cimarron County

Wooton's Lip Fern is one of my all time favorites. If you asked me why it's one of my favorites, I probably could not give you good answer. I guess it would be the interesting habitats that they are found in.





*Cheilanthes alabamensis*, the Alabama Lip Fern



*Notholaena standleyi* A very unique maidenhair with a white to cream abaxial surfaces and a blade that has a star-like outline.





*Astrolepis integerrima*. Another favorite but difficult to find.

Now that you know a few things about the maidenhairs, it is time to go and see them. I would suggest that you try to find a field guide to ferns before you go on that first fern foray. If you cannot find one, do not hesitate to ask me for electronic photos. I have pictures of most members of the family. One of the best places to see them is in our state parks and state park resorts. I have listed nine species from four of the six genera in the family in the table below. These are the parks where I have found them. In order to see some of the more rare species it would require a field trip off the "beaten path". Let me know if you are interested in taking a field trip to see them. We might be able to arrange a trip together. Good luck and don't forget to your take camera.

#### Maidenhair ferns that you can see in Oklahoma State Parks and Resort Parks

Species and Common Name	State Park and State Resorts
<i>Adiantum capillus-veneris</i> Southern Maiden-hair	Natural Falls State Park
<i>Adiantum pedatum</i> Northern Maiden-hair	Natural Falls State Park
<i>Cheilanthes eatonii</i> Eaton's Lip Fern	Black Mesa State Park, Quartz Mountain Resort Park (New Horizon Trail) and Red Rock Canyon State Park
<i>Cheilanthes lanosa</i> Hairy Lip Fern	Great Plains State Park, Robber's Cave State Park and Beavers Bend State Park Resort.
<i>Cheilanthes tomentosa</i> Woolly Lip Fern	Great Plains State Park and Murray State Park
<i>Cheilanthes wootonii</i> Wooton's Lip Fern	Quartz Mountain Resort Park (New Horizon Trail)
<i>Notholaena standleyi</i> Standley's Cloak Fern	Quartz Mountain Resort Park (New Horizon Trail)
<i>Pellaea atropurpurea</i> Purple Cliff-brake	Red Rock Canyon State Park and Roman State Park
<i>Pellaea wrightiana</i> Wright's Cliff-brake	Great Plains State Park

Common names from A Field Manual of the FERNS & FERN-ALLIES of the United States and Canada. David B. Lellinger with photographs by A. Murray Evans. Smithsonian Institution Press Edited by George Palmer, Miss Kathryn Rahlf and Sharon Smith



## CONSERVATION CORNER

Chad Cox

Seems no job concerned with the natural world is ever finished; they are all works in progress. Susan Barber in her Botanist's Corner in the previous issue of the *Gaillardia* discussed the ever changing plant names. Ron Tyrl at the Annual Meeting mentioned the same problem. So not that the ongoing review of plant species will end the endless name shuffle, but the development of the Global Plant List, undertaken by American and British researchers, will pare down the task. They are reviewing the total registry of plant species for duplicate names. So far they have reduced the list by 600,000 species and estimate that the final number will be around 400,000 known species. This list should be available online in the near future.

The Royal Botanical Gardens, Kew and Missouri Botanical Gardens were the major organizations involved in this project. As Director Stephen Hooper of the former organization said, "Without accurate names – authoritatively determined – understanding and communication about global plant life would descend into inefficient chaos." Certainly, this list will be essentially necessary for efficient plant conservation. Another fairly recent undertaking will also help in conservation efforts.

In November 2009 at the International Barcode of Life Conference a barcode for plants was established. There has been a barcode for animals since 2003. The barcodes are based on the selection of a portion of the DNA sequence from these 2 life forms that is variable, but not too variable, so as to be able to have separate sequences for species. Another factor in the selection of the sequence to be used for the barcode was the ability to use partially degraded samples. This is important because old samples will be degraded. That would be true for samples from archeological sites or even very old herbaria specimens. The final step is to determine the barcodes for each species. Obviously, determining these for the expected 400,000 plant species is definitely less daunting than facing the over a million that were previously on record.

The barcodes will certainly improve monitoring trade in endangered species. A steak in a bush meat market in the Congo, for example, is not visually identifiable as being from an endangered

species. Likewise, a wooden dinette set would be hard to ascertain it was made from an endangered tree. In both cases, a small sample could be tested for its barcode in a matter of a few hours in the lab. The evidence obtained will have the same certainty that the DNA evidence used now in courts to show who was the person that left a specimen at a crime scene. Note that the barcodes for entire species of plants will not be required for this; a known specimen of the species that is the suspected source of the contraband can show its barcode for comparison.

Inventories of areas could be done much easier in the future. You could simply collect a leaf or portion of a leaf or a piece of stem and deliver these to the lab. Viola! Your list would be available in a matter of hours even if you did not know the difference between a saguaro and a sequoia. Of course, there might be a big lab bill to pay for this convenience.

## COLOR OKLAHOMA

Tina Julich

### OTA Wildflower Plantings

Color Oklahoma is working with The Oklahoma Turnpike Authority to plant over 90 acres of native wildflower seed this fall. Next spring should be a beautiful showing of our wonderful wildflowers if Mother Nature cooperates and gives us the best growing conditions. Plantings will be concentrated close to cities on the turnpikes to make the areas a welcoming gateway to the selected city. Selected cities for 2010 plantings are Vinita, Miami, Creek, Muskogee, Bristow, Antlers, Sulphur, Lawton, and Stillwater. The OTA has also agreed to allow the wildflowers to go to seed before mowing so that our wildflower dollars will go farther by not having to reseed as frequently. Our estimated seed expenditures for this year total approximately \$ 14,000, to plant just under 100 acres.

Two people have volunteered to help on the Color Oklahoma committee. They are Craig Williams from Lawton, and Alicia Nelson from Tulsa. Welcome to CO!

### Car tags

We continue to receive income from the CO car tags on a monthly basis, totaling about \$5,000 per year. This is our primary income generator, so



please consider buying one of our beautiful tags for your vehicle. A Color Oklahoma car tag would make a great Christmas present for everyone on your gift list! Ask your tag agent for an application or copy this link into your browser's address bar to download one: [http://www.coloroklahoma.org/application\\_for\\_tag.htm](http://www.coloroklahoma.org/application_for_tag.htm).

## TGC PHOTO CONTEST

Sue Amstutz

Do you even wish that the photos you take of wildflowers and native plants grown in your own back yard could be entered in a photo contest?

Since the rules of our own annual ONPS Photo Contest plainly state that entries must be of subjects photographed in their native habitat in the wild, there has not been a contest available for photos of backyard wildflowers.

Take heart! The Tulsa Garden Center is now sponsoring an Amateur Photography Contest and Exhibition! Entries may be submitted to the Tulsa Garden Center, 2435 S. Peoria Avenue, Tulsa OK, 74114, from January 4, 2011, through January 18, 2011.

Several categories would be of interest to ONPS back yard photographers: "Seasons in the Garden", "Garden Creatures", "Water Features", and "General Garden Photos". There are two special categories, one for children's entries open to kids under 12 years of age, and a youth category for twelve to eighteen year olds. Ribbons will be awarded for first, second, third, and honorable mention in each category. Cash awards for first place in each division plus Best in Show and People's Choice will be announced at a reception at the Garden Center on January 20, 2011. An exhibit of the entered photos will take place at the Garden Center January 21, 23, and 25-29, 2011.

Additional information, guidelines, and entry forms for the Tulsa Garden Center Photo Contest are available on their website: [www.tulsagardencenter.com](http://www.tulsagardencenter.com).

## ONPS INDOOR OUTING

Ron Tyril

The Cross-Timbers Chapter is pleased to host the forthcoming *Indoor Outing*. It will be held on February 5, 2011 in the Educational Center at the Oklahoma Botanical Garden & Arboretum on the west edge of Stillwater. Details are given in the enclosed flier and registration form.

The theme is *BOTANY IS A'CHANGING: NEW WAYS OF LOOKING AT OUR NATIVE PLANTS* which reflects the evolution of the discipline. Botany of yesteryear was a science comprising the disciplines of taxonomy, physiology, anatomy, ecology, morphology, and genetics. Botanists typically identified themselves by their discipline - taxonomist, physiologist, etc. - and traditionally worked, more or less, independently of their fellow botanists in the other disciplines. The botany of today is quite different, with boundaries among the traditional disciplines disappearing. Today's botanists typically integrate research techniques and data from several different disciplines as they examine how plants grow, reproduce, and evolve. They often identify themselves not by discipline but rather by what they do and the questions they ask. For example, our speakers at this year's *Outing* are trying to understand the domestication of plants and the evolution of plant architecture; the interplay between ecology and plant cultivation; biogeography and species diversification; and the ethnobotany of ancient cultures by their artistic depictions of plants.

The program will be an opportunity for you to become acquainted with some of these new ways of looking at plants. Our speakers are scientists who are actively conducting research on several different groups of plants that will be familiar to you. In addition, you will have an opportunity to stroll the new pedestrian walk and explore the studio gardens of *Oklahoma Gardening* at the Oklahoma Botanical Garden & Arboretum, the site of our meeting. A special treat will be an explanation of the origin of the colors of our state wildflowers.

Members of the chapter will be preparing their favorite breads, muffins, and cookies for you to enjoy at your midmorning break. Our lunch chef is Peter Thomas of Stillwater's Caravan Bookstore & Coffee Shop who is well known for his tasty sandwiches.

ONPS will once again have a silent auction of botanical memorabilia; please bring your items to donate. In addition, there is going to be a special clearance sale of society merchandise. *Color Oklahoma* also will have merchandise for sale and application forms for wildflower license plates. Thus, don't forget to bring your checkbooks. We look forward to seeing you on February 5th.



## CHAPTER ACTIVITIES

### Northeast Chapter

Alicia Nelson

Eastern chapter members are active and we are growing! Eleven enthusiasts participated in our last field trip to Tag Hollow on Lake Spavinaw in Delaware County. The fall colors were spectacular in this Oak-Hickory forest type. *Pinus echinata* (shortleaf pine), *Quercus rubra* (red oak), *Quercus alba* (white oak), *Carya cordiformis* (bitternut hickory) are characteristic of the area. The group also identified *Tilia americana* (American basswood) which was at its western most limits. Some members even tried the fruit from the passion vine. Our group has enjoyed fall field trips to Turkey Mountain, Ray Harral Nature Center, Red Bud Valley, and Oxley Nature Center. Many invasive species were identified at Turkey Mountain, as well as our "prize" species *Triosteum perfoliatum* (horse gentian).

Judy Jordan's wonderful presentation on "Plains Apache Ethnobotany" was enjoyed by 38 members and visitors at the September meeting. The chapter acquired two new members! The Turkey Mountain Urban Wilderness Restoration Project was also discussed and our members voted to go forward with an Advisory Council that can communicate with city officials. ONPS involvement is to identify the invasive species and make recommendations as to the management of these species. We are at the beginning phase and will proceed forward after the first of the year.

The next meeting will be on December 6<sup>th</sup> beginning with a potluck dinner at 6:00 pm at the Garden Center. Our guest speaker is Dr. Ron Tyrl an Emeritus Professor of Botany at OSU. He has co-authored many publications and has research works to include the Royal Botanic Gardens, Kew in London, England. The presentation *CSI OKLAHOMA: Plants as Clues* will be a discussion about essential forensic botany and will begin at 7:00 pm.

Members please join us at the next meeting. Election of new Officers for next year will be on the agenda prior to our speaker.

Come and join us on the third Friday of each month at 5:30 pm at Panera Bread on 41<sup>st</sup> Street in Tulsa for our Fabulous Wildflower Fridays. Call Alicia at 918/599-0085 if you have questions about any events.

### Cross-Timbers Chapter

Ron Tyrl

After a summer hiatus, members of the chapter finally got back into the field on Saturday, September 18th. Approximately 20 members and first-time visitors strolled the paths of ONPS member Sonja Hannon's 2.5 acre garden - a restored tallgrass prairie and wildlife habitat - on the north edge of Stillwater. With the assistance of Stephen Winter, a doctoral graduate student working in range science at OSU, she has essentially converted a bermudagrass lawn and pasture into a tallgrass prairie in just a few years. The not too warm, sunny morning was ideal for a field trip. We were treated to a spectacular display of wildflowers and enjoyed a snack of Sonja's fresh baked breads. Additional details of Sonja's restoration of the site and the species encountered will appear in the next issue of the *Gaillardia*. The chapter will return to look at the spring wildflowers on Saturday, June 4th.

On Friday, November 5th, the chapter held its annual fall potluck dinner. As always, the food was both diverse and excellent. A dessert containing Oklahoma blackberries was a special treat enjoyed by all. Our guest speaker was ONPS member Mark Fishbein. Presently an Assistant Professor of Botany & Director of the OSU Herbarium, he is an expert on the evolution and taxonomy of the genus *Asclepias* and the author or coauthor of more than 50 scientific papers, book chapters, books, and technical reports. In addition, he has given more than 65 presentations on his research at professional meetings, symposia, workshops, and seminars.

Although Mark's talk was titled *Five Surprising Things You Didn't Know About Milkweeds*, we actually were treated to many more topics. He explained why milkweeds are dogbanes, i.e., the reasons for reuniting the Apocynaceae (dogbane family) and the Asclepiadaceae (milkweed family) into a single family. He also introduced us to the unusual floral morphology of *Asclepias* and illustrated the amazing morphological diversity



among species of the genus in both Oklahoma and North America. He outlined the evidence for the origins of *Asclepias* in Africa and its subsequent evolutionary radiation in North America. The highly specialized mode of reproduction characteristic of the genus and its defenses against herbivory were the final topics presented. Mark's presentation generated numerous questions by his appreciative audience.

#### FIELD TRIP RULES

- Participation is at your own risk.
- Preregistration is required for all field trips.
- Field trip announcements will contain the name, address, and telephone number of the leader. If you have doubts about the terrain, difficulty, etc., ask.
- Collecting any plant parts or other materials at the site must be approved by the field trip leader.
- Field trips take place rain or shine. Hiking boots, long pants and a hat are essential.
- Bring water and lunch or a snack. Sunscreen and insect repellent are always in demand. Field guides, a camera and binoculars are nice.
- All ONPS field trips are open to the public at no charge, unless charges per-member are specified in the announcement. Visitors and newcomers are always welcome.
- Children old enough to keep up are welcome. Pets are not.

The chapter has four activities scheduled for this winter and next spring. As described elsewhere in this issue, the chapter is hosting this year's *Indoor Outing* on February 5th at the Oklahoma Botanical Garden & Arboretum in Stillwater. We invite you to join us for a day of interesting talks, good food, and a walk along the garden's new pedestrian trail or through the studio gardens of *Oklahoma Gardening*.

In March, the chapter will be cohosting a lecture by Daryl Baldwin, a citizen of the Miami tribe of Oklahoma, and currently Director of the Myaamia Project at Miami University in Oxford, Ohio. This will be the third presentation the

chapter has hosted in conjunction with the OSU Edmon Low Library's *Spring Lecture in Botany* series. Illustrator Bellamy Parks Jansen and ethnobotanist/author Judy Jordan were our first two speakers. The date of Baldwin's lecture has yet to be finalized.

Two field trips are scheduled. On Saturday, April 30th, we are again going in search of the celestial lilies (*Nemastylis geminiflora*) at ONPS members Pat and Les Imboden's prairie east of Stillwater. Last year, the weather was not kind to us and our trip was rained out. On Saturday, June 4th, we plan to again visit Sonja Hanon's prairie to look at the site's spring wildflowers. Our departure time for both trips will be 9:30 am from the parking lot adjacent to the Life Sciences East Building on the OSU campus. Depending upon how next year's growing season progresses, we may have to delay the celestial lily trip one week in order to catch them at their peak in terms of flowering. We will send you a notice of the final date.

#### Central Chapter

Jeannie Coley

In September we celebrated the changing season with a field trip to the Coley acreage. Heavy rain an hour before the tour diminished the number of participants. Those who came were rewarded with clearing skies and an opportunity to break open a Paw-Paw fruit, taste ripening filberts, Mexican plums, and other fall delights, most often the domain of nature's wildlife.

At OSU/OKC in October, Marilyn Stewart presented a program "Myth-busting Native Plants" at our first fall meeting. Marilyn, with her husband Ken, owns Wild Things Nursery, and produces plants which are native to Oklahoma and beneficial to wildlife. Their nursery has a special emphasis on plants which support butterflies, moths, and other pollinators. Lots more information and resources can be found on [www.wildthingsnursery.com](http://www.wildthingsnursery.com). Also, at the meeting, nominations for 2011 officers were accepted for election in November.

On November 29, we will learn more about the popular winter activity of bird watching with Mark Howery. Mark is a wildlife diversity biologist with the Oklahoma Department of Wildlife Conservation. His presentation will



highlight woody plants that provide food and shelter for birds.

This will be the last meeting of the year and will be held at the Student Center at OSU/OKC.

For more information, contact:

Betty Culpepper, bculpepper3@cox.net 321-4829, or  
Jeannie Coley dj18383@sbcglobal.net 329-6303

## **WELCOME THESE NEW MEMBERS**

**Colleen Bennett, Bartlesville\***

**Daniel Cameron**

**Donna Deason, Grove**

**Lauren Heald, Bartlesville\***

**Natalie Sampson, Grove\***

**Jill Schamp, Tulsa**

**\*2010 Barclay Award Winner**

## **2010 Annual Meeting**

The meeting was held from October 1-3 at the Wha-Shah-She Girl Scout Camp near Bartlesville. The lodge there was very spatial for our group of 26 people. Friday night was spent as a social time, a chance to visit with other chapter members that we see infrequently. Our hearty breakfast, as well as all our meals, were prepared by our President, her daughter and son-in-law and started the Saturday off well. The morning was filled with various hikes on the many and seldom used trails on the camp grounds. We were told that we were the first to use the trails for over a year. In the afternoon, we car pooled to Jo Allyn Lowe Park in Bartlesville. The park is a good example of what can be accomplished by fire. A sizable section was burned twice to convert it into a tallgrass prairie without even reseeding. They have planted trees, about 150 different specimens counting cultivars around a central lake. Another section of trees were they left as alone in a wilder section.

The afternoon was filled out with more hikes around the camp grounds. The annual membership meeting was held after dinner and the following officers were elected; Vice president, Marilyn Stewart; Secretary, Sandy Graue; Treasurer, Mary Korthase; and the two Board Members, Brook Bonner and Janet Steets, both from Stillwater. The by-laws were suspended with regard to the term of the President so that Lynn Michael could be elected to a third term. Sue Amstutz presented the Service Award to the well deserving Lynn Michael, who also was awarded the Snodgrass award at the 2009 Wildflower Workshop.

After the meeting, Fran Stallings entertained us with stories and songs around a bon fire. Many took the opportunity to roast marshmallows and construct and destruct s'mores.





**FOR JOINING OR RENEWING USE THIS FORM**

Fill out this form or supply the same information. Make checks payable to Oklahoma Native Plant Society and mail to Oklahoma Native Plant Society, 2435 South Peoria, Tulsa, OK 74114.  
Membership is for Jan. 1 - Dec. 31 of current year and dues include subscription to *Gaillardia*.

Name: \_\_\_\_\_

Affiliation: (School, Business, or Avocation) \_\_\_\_\_

Address: \_\_\_\_\_

Phone: Home \_\_\_\_\_ Cell \_\_\_\_\_ Office \_\_\_\_\_ Please do not list my phone \_\_\_\_\_

E mail: \_\_\_\_\_

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Dues are tax deductible.

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Add \$5.00 \_\_\_ to cover cost of copying and mailing a complete ONPS directory if desired.



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2011: Ron Tyrl and Marilyn Stewart  
2012: Clare and Buddy Miller  
2013: Brook Bonner and Janet Steet

Chapter Chairs:  
Alicia Nelson Northeast  
Betty Culpepper Central  
Ron Tyrl Cross-Timbers  
Sheila Strawn Mycology

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