



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

Volume 19, Number 1
Spring 2004

LOOK INSIDE FOR

PRESIDENT'S PARAGRAPH2
IMPORTANT NOTICES2
BOTANY BAY2
ANNE LONG AWARD4
COLOR OKLAHOMA4
CONSERVATION CORNER5
PLANT RESCUE TEAM5
WILDFLOWER WORKSHOP6
SNODGRASS AWARDEES7
GARDEN FESTIVAL7
INDOOR-OUTING7
ONPR JOURNAL ORDER FORM8
CHAPTER ACTIVITIES9
FIELD TRIP RULES10
WELCOME NEW MEMBERS10
2005 PHOTO CONTEST10
MEMBERSHIP FORM.....11

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**COPY AND ART DEADLINE
FOR NEXT ISSUE IS
15 May 2004**

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.

- Mar 16 – 20: Excursion to Lady Bird Johnson Wildflower Institute, Austin TX, and Wildseeds, Fredericksburg. (Carpooling may be arranged.) Contact: Constance Murray at (918) 664-2896 or cmurray@tulsa.cc.ok.us**
Mar 19, Apr 16, May 21: Happy Hour - Panera , 5601 E. 41st St., 5:30 p.m. Contact: Constance Murray see above
March 29: Central Chapter, Lewis Scott, park naturalist with Will Rogers Park, OKC, will talk on "The Turf Free Lawn". Page 9
April 1: Mycology Chapter meeting, 7 PM at Crow's Secret Nature Center, Page 10
April 4: Mycology Chapter field trip, 1 PM. Page 10
May 2: Central Chapter meet at 2:00 p.m. we will meet at the Children's Museum in Seminole. Page 10
May 3: Chapter Meeting at Tulsa Garden Center, Pot Luck at 6:00 p.m. Program: 7:15 – Gypsophiles and the Selman Living Laboratory, Gloria Caddell – UCO. Contact: Constance Murray see above
May 21-22: Wildflower Workshop at Elk City. Contact JoAnn Orr. Page 6
June 5: Board Meeting at Tulsa Garden Center at 10 AM. Contact Jim Elder.

ONPS THANKS THESE DONORS

Harriet G. Barclay Fund

Mary D. Price

Anne W. Long Fund

Mary D. Price

Color Oklahoma Fund

- Rebecca A. Allen David O.Cordell
 Pauline Dugger A. Faye Hutcherson
 Jeanne Hutter Jenk Jones, Jr.
 Betty & James Kemm
 Bonnie Yeater McElhiney
 Tena Minden Caro Phelps
 Elizabeth Smith Beth Walker

PRESIDENT'S PARAGRAPH

This year's Indoor Outing was a great success, thanks to all the hard work of Susan and Wayne Chambers, Tina Julich, and the presenters and volunteers. Winter may not provide much in the way of wildflowers, but it is still a beautiful and interesting time of the year. This was illustrated by Wayne's excellent tour of some of the OKC Zoo's winter foliage. Driving back to Tulsa, I could not help but notice the trees: their shapes and silhouettes against the horizon, the black and brown bark, the interesting branch patterns, and the occasional sycamore with their white trunks peering through the woods like a ghost through a gray fog.

Much of my appreciation of trees and winter comes from various field trips and lectures from Harriet Barclay and Paul Buck. Through them we learned how to identify trees by their silhouettes and leaf scars. My perception of trees has been reorganized. Two of my favorite memories of winter have come from camping and hiking trips through the forest. One such weekend backpacking trip began with the pending forecast of a major winter storm. By the time we reached our destination, White Rock Mountain State Park in Arkansas, the tree branches were covered with a thick layer of ice. This gave the area the appearance of a surreal glass forest, interrupted occasionally by the sound of branches crashing down from the weight of the ice. Walking through the forest was a magical experience with the sunlight reflecting off the ice and the appearance of distance ridges and landforms normally hidden by foliage.

Another memorable adventure was when my wife and I hiked through Mohawk Park in Tulsa after a big snowstorm. Our footprints were the only evidence of a human presence. The occasional tracks of small animals and the patterns of windblown grasses and branches in the snow grabbed our attention. Many ONPS members continue with their outing adventures during winter, not only with the indoor outing, but by getting out and enjoying our winter environment. Spring's marvelous explosion of flowers and foliage seems even more mysterious and magical, especially after attending a winter's outing. I hope all of you have had a good winter. I look forward to seeing you again on many of our spring field trips.

Happy trails
Jim Elder

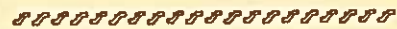
IMPORTANT GENERAL NOTICES

After your ONPS activity, please remember to send copies of photos, news stories, programs, or other related memorabilia to Dale and Carla Chlouber, 3918 S. Mehan Rd., Ripley, OK 74062, for the official ONPS scrapbook. Be sure that the items are copies and that you keep the original or another copy yourself.

If you itemize on your tax returns you can claim the ONPS dues according to Mary Korthase's research.

This year's issue, Volume 3 of the Oklahoma Native Plant Record, our journal, is now available; see page 8 for more information and how to order.

Nominations for both the Service and Anne Long Awards are needed and should be sent to Sue Amstutz and Pat Folley, respectively. The Deadline is August 31.



BOTANY BAY

Paul Buck

Was it Really an Apple?

There are numerous questions of minor significance, only of interest to our curious minds. For example, in an earlier issue of the Gaillardia I raised the question whether the tomato is a fruit or a vegetable. Who cares? There is little likelihood any of our members lost sleep over that issue but we did learn a lot by seeking an answer.

Once, years ago, I assigned a short essay in class, in reality an effort to exercise writing skills. One student asked for examples of acceptable topics and while listing some I included, tongue in cheek, 'Did Adam have a navel?' To my surprise a member of the class selected that title, researched the question and in the essay submitted, educated the reader to the history of human attitudes toward the subject. As a result, whenever I see a painting of the Garden of Eden and its occupants I look closely to see how the artist treated the question. But that is outside the realm of the Oklahoma Native Plant Society. If you are curious look into it. See what you think. I have my own idea but many do not agree.

I can think of another of those interesting questions of little importance which is botanical in nature. It concerns the apple in the Garden of Eden. Was the

fruit in question actually an apple?

The Plant Science Bulletin once carried a brief article titled 'Why the Apple?' Let me share portions of it.

WHY THE APPLE?

'Did Eve really offer the apple to Adam that fateful day in the Garden of Eden? The Bible reports only that she caused him to eat the forbidden fruit of the tree of the knowledge of good and evil.

'As you recall, the fruit of the apple is a pome. The Latin is obvious. The romance languages form a bridge as we see that the French word for apple is *pomme*. The word apple itself is apparently Germanic in origin. It comes to us today by way of Old English and Middle English. ...we have come to accept the fruit in the Garden of Eden as the apple, when, in fact, it may not have been.

"...even the orange is an apple, as in the 'Golden Apples of the Hesperides.' As you recall, Hercules was called upon to perform several labors for the King of Mycenae. After accomplishing ten unbelievable tasks, the eleventh was to secure the Golden Apples of the Hesperides. The Hesperides were the four virgin daughters of Atlas. They were charged with the responsibility of protecting the Golden Apples from plunder. Hercules...was successful in obtaining the Golden Apples. The fruit of the orange is today referred to as a hesperidium.

"Again from Greek mythology, we hear the story of the judgment of Paris. At the wedding of Peleus and Thetis, the Goddess Eris, upset over not being invited, threw an apple into the midst of the guests with the notation "for the fairest." Three Goddesses claimed the prize. In this dilemma, it was decided Paris was to be called in from his fields to judge who was the fairest. The three contestants were Hera, Athena and Aphrodite. After each had promised the poor lad all sorts of great things, Paris chose the Goddess of Love, Aphrodite to receive the apple.

"The North African city of Carthage had its apple. ...after the wars with Rome (the Punic Wars), we refer to the 'Apple of Carthage' as the 'Punic Apple.' The plant, of course, produces not apples but pomgranates. As the common name implies, *Punica granatum* L. resembles the apple but differs with its granular interior.

"In other languages the apple is used in the descriptive names of other fruits and vegetables. In French, for example, the potato is *pomme de terre* or apple of the earth. The tomato is *pomme d'amour* or love apple. There are many common names for plants as the 'May apple,' *Podophyllum peltatum* L.; 'custard apple,' *Annona reticulatum* L.; 'apple of Peru,' *Nicandra physalodes* Gaertn., etc.

"Did William Tell really place the apple on his son's head? Was it really the apple that got the attention of Sir Isaac Newton? Is the expanded laryngeal cartilage in man really an Adam's Apple? And then there are the expressions we use to honor the apple; 'apple of your eye,' 'apple pie order,' and 'apple polishing.' The apple indeed! Why couldn't it have been the pear? But, alas, the pear is a pome too."

David H. Rembert, Jr.
Department of Biology
University of South Carolina'

A clergy friend once suggested it was not the apple in the tree that caused the problem in the Garden of Eden but the pear on the ground. Could this be what he meant? The next issue of the Bulletin carried a response from an unknown contributor.

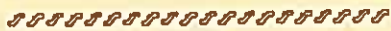
FRUIT OF THE TREE OF KNOWLEDGE

"Only yesterday I read your Plant Science Bulletin, Vol. 28, No. 2, in which Prof. Rembert published a small item titled "Why the Apple?" I would like to give you an answer to that question.

"In Genesis 2:17 it is written "...but of the tree of the knowledge of good and evil, thou shalt not eat of it." The Latin version of the Bible is translated as follows: "de lingo autem scientiae boni et mali ne comedas."

"Since "mali" could be derived from malum, i.e. "evil," it could also come from malus, meaning apple tree. What apparently happened is the artists of the 13th and 14th centuries, who painted the theme of Adam and Eve eating from the tree of knowledge, didn't know Latin well. They took "mali" as deriving from malus (apple tree) and from then on, the fruit in the hands of Eve depicted in their paintings was an apple."

There it is. Another interesting question with a possible answer. Ours is truly as thought-provoking world. Unless one is brain-dead, it appears we will never run out of questions to pursue.



ANNE LONG AWARD

Patricia Folley, Chair, Anne Long Award Committee

The time to nominate is now! On the first of September, someone will be chosen to receive the Anne Long Award for best serving the stated purpose of the Oklahoma Native Plant Society. Anyone working toward the conservation, appreciation, and provenance of native plants in Oklahoma is eligible, with the exception of past winners and present elected officers. Committee members who do not hold other offices are eligible, as are non-members and all other members.

Past winners are: 1988, Ninnekah High School Science Club; 1989, Doyle McCoy; 1990, John Miller; 1991, Oklahoma Chapter of The Nature Conservancy; 1992, Joanne Orr; 1993, Sydney Dobson of Oklahoma City Beautiful; 1994, Paul Buck; 1995, no award made; 1996, Ruth Boyd; 1997, Jim Norman; 1998, Connie Taylor; 1999, Patricia Folley; 2000, Bruce Smith; 2001, Sue and Dale Amstutz; 2002, Ron Tyril; 2003, no award made.

I can sit here at my computer and name a dozen people who deserve recognition. Some are current officers, but not all of them. I'm sure that you know several more. We have never given the award to a County Extension Agent, or to a grower and producer of native plants, for example. So think about those movers and shakers in your own community, and send your nomination today. No need to wait for the last moment, when the press of other duties may intervene.

Nominating is simple: send a letter to Patricia Folley, Chair, 15100 Etowah Road, Noble, OK 73068, stating the reasons why the person of your choice should receive this award (a beautiful framed photograph of one of their favorite wildflowers, plus \$50 cash and the distinction). You may send your nominations by e-mail if you prefer: pfolley7@juno.com. That's it. The committee will sort the entries, check whether eligible, and make up the award. If you know your nominee's favorite flower, please mention it.

ARE YOU HELPING COLOR OKLAHOMA WITH WILDFLOWERS?

Kim Shannon, Color Oklahoma Chair

You can help make Oklahoma more beautiful by contributing to Color Oklahoma – *Sow Some Wild Seeds*. If you have already donated, thank you. If not, how about writing a check right now? Thousands of people you will never meet will be grateful for your generosity.

Color Oklahoma – Sow Some Wild Seeds is raising money to buy wildflower seeds for sowing along Oklahoma's highway right-of-ways, in parks and on other highly visible public areas. Color Oklahoma's mission also is to help preserve native plants and educate others about them.

In 2003, contributors enabled Color Oklahoma to buy enough wildflower seeds to beautify five acres. The Oklahoma Department of Transportation planted the wildflower seeds for Color Oklahoma at three sites along Interstate 40, including two rest areas near Seminole and at a site near Henryetta. The wildflower species that were planted at these three sites include Indian Blanket (*Gaillardia pulchella*), Purple coneflower (*Echinacea purpurea*), and Indian paintbrush (*Castilleja indivisa*).

You can find more information about Color Oklahoma at the ONPS website. Just click on the Color Oklahoma link at www.usao.edu/~onps. If you want to ask someone a question or two contact either Pearl Garrison at (918) 587-4626 or jpmgarrison@hotmail.com or Kim Shannon via email at kimshannon@ou.edu. Please put Color Oklahoma in the subject line of emails.

Would you help make a difference in Oklahoma's landscape?

Because Color Oklahoma is a project of the Oklahoma Native Plant Society, *all donations are tax deductible*. Checks can be made payable to Color Oklahoma –ONPS and can be mailed to:

Color Oklahoma
Tulsa Garden Center
2435 S. Peoria Avenue
Tulsa, OK 74114

Watch for more information about Color Oklahoma and "Blooming Reports" of planted sites in future editions!

CONSERVATION CORNER

Chad Cox

The Board approved at the December meeting the creation of a plant rescue team and Curt Jennings that will direct the program outlines in the following article the operations of the team.

Since the board meeting where I reiterated my request for members to the Conservation Committee, Kim Shannon, Curt Jennings, Marcie Goad and Becky Sherry have joined. Primarily this is an email committee and we will probably only meet at state wide ONPS functions.

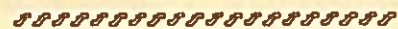
Also at the Board Meeting, we decided to join the Native Plant Conservation Campaign, an organization whose mission is similar to ours and is a consortium of many other native plant societies as well as many other organizations , national and international, interested in preserving native plants. NPCC provides educational materials but will also plan advocacy programs for plant conservation. Their website is <http://www.cnps.org/npcc> and there is a link to that website at our website.

On the need for an international effort of conservation, the January 2004 Scientific American has an article that reviews some of investigations of the effects of global warming on the synchrony between species; great tits and winter moth in England and pied flycatcher and other caterpillars in the Netherlands. In both cases, because the plants that the caterpillars depend on are budding out earlier, the caterpillars are at their greatest numbers earlier but bird egg laying and hence hatchlings are still appearing at the same dates as before. This mismatch has led to less food available for the hatchlings. The numbers of pied flycatchers have been decreasing but so far great tit population has not significantly declined. The flycatchers are probably at a greater risk because they migrate from Africa and the connections between what occurs there that triggers migration no longer reflects what is occurring in England as it did before global warming exerted its effects.

A different form of asynchrony is threatening the existence of the Adelle penguin. The melting of the pack ice has increased the moisture and snow at the Antarctic Peninsula. The increased snow covers the rocks that the penguins need to keep the eggs up out of the snow at that time they are programmed for egg laying. These eggs lose viability when soaked in the melting snow. At the current rate of decline in penguin

numbers, the penguins will no longer exist in the region in 15 years. The more rigid species are the greater the risk of their extirpating during the global warming. Of course species that depend on such species will also be threatened.

Other evidence indicates during the warming after the last ice age the ecosystem was markedly altered as the relationship of different species was wrenched apart by similar processes as discussed. That is, the migration north as the ice melted was not possible with all species together so many of the current relationships have developed since that time. With the rapidity of the current changes the effects are sure to be more drastic. As mentioned in an earlier article, fragmentation of the land largely through agricultural practices will compound especially the problems associated with plant migration. Again, those other species dependent on the vulnerable plants will also be vulnerable.



PLANT RESCUE TEAM

Curt Jennings

Do you have a wild meadow that could be harvested for native origin seed? Or a pond that you are digging out - resulting in numerous pond plants that will be thrown away? Or do you know of a development site where wild plants are going to be destroyed and could be rescued for use in an ecological restoration project? Or perhaps you know of a highway being widened with masses of tree seedlings which could be pulled up and saved?

If you know of native plants in Oklahoma that need a new home, please contact Curt Jennings at (jenningslandscapes@yahoo.com) and send your information in the following format:

Your name, your e-mail address and telephone number.

Site details: location, site name and address (e.g. Lake Pointe Development Duncan, OK 1343 S. 23rd St), habitat type (e.g. woodland, wildflower meadow).

Description of situation: (e.g. land purchased for housing development).

Contact name of site owner or manager (if different from yours) and their contact details: (e.g. Burford Builders, tel: (405/918/580)-XXX-XXXX).

Plant species, or groups of plants, that are available or may be available: e.g. oak seedlings, wildflowers, native grasses and mature plants, (eg: Caddo Maple seedlings, oak seedlings, penstimon, Native Orchids).

Period: (indicate when and for what period the plants are likely to be available for digging).

How are rescue properties discovered?

We learn of potential rescue sites through our members, from newspaper articles, from developers, this website and from concerned citizens. To proceed with site procurement, we must be given a contact name and a telephone number. When we are notified of potential sites, the sites are checked out prior to beginning the site procurement process.

Where are the rescues properties located?

The sites for which we get permission to save plants are usually wooded and are slated to become subdivisions, office parks or widened highways.

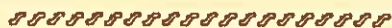
What supplies do I need to bring?

To carry the plants, we use plastic grocery bags, doubled for strength. (To avoid mix-ups, prior to the rescue please use a marker pen to add your initials to the bags.) Buckets with handles also work well. Large drawstring garbage bags are good for heavier plants such as shrubs, small trees or large ferns. You will need a shovel, a hand trowel, or both. These need to be marked with your initials in case they are misplaced. In warm weather, you may want to bring insect repellent and drinking water. Have water available in your vehicle for your rescued plants to help them to survive the shock of being transplanted.

Where do all the plants go?

The ferns, wildflowers, shrubs and trees we save are given new homes either in ONPS members' home gardens and habitats, or they are transplanted to public gardens throughout Oklahoma.

If you know of any gardens in Oklahoma where the plants could be donated let me know.



27th ANNUAL WILDFLOWER WORKSHOP

Joanna Orr

Western wildflowers will be featured at the 57th Annual Wildflower Workshop to be held May 21 and 22. Those attending will explore new territory on their Saturday field trip. The Wildflower Workshop rotates

to a different venue every year and will be held for the first time in the Elk City area. Joanne Orr, Oklahoma Department of Transportation Beautification Coordinator, said, "The opportunity to explore the Black Kettle Grasslands and see the prairie wildflowers in this area should make an exciting field trip." The Saturday Field Trip will leave from Elk City and include the Washita Wildlife Refuge, the Black Kettle Battlefield, Museum and National Grasslands. Leaders of the trip will include Dr. Bruce Hoaglund and other members of the Oklahoma Native Plant Society.

On Friday, the workshop will be held at Burns Flat Western Technology Center and have a variety of speakers. These include Reggie Blackwell, Park Ranger, speaking on Vegetation Management on the Black Kettle National Grasslands; and D'Anna Mallow of the Washita Wildlife Refuge describing Spiders of Oklahoma. Steve Bieberich of Sunshine Nurseries in Arapaho will discuss native trees and shrubs and Dr. Bruce Hoaglund of the Oklahoma Biological Survey will describe wildflowers of Roger Mills County that will be seen on the field trip on Saturday. Trapper Heglin of Buffalo will explain the new Oklahoma Prairie Alliance that has been formed.

Pete Thurmond of Cheyenne will report on the study of 40,000 years of people, plants and climate in the Dempsey Divide area of Western Oklahoma. Susan Chambers of Rose Rock Landscape and Design will suggest some Western wildflowers for your home landscape, and Pat Sprowls of Elk City Carnegie Library will tell tales about the colorful history of the area

The workshop also will include a wildflower market, flower specimens, winning photographs in the Oklahoma Native Plant Society (ONPS) photo contest and other displays. Awards will be presented at the Friday night dinner in Elk City to the winners of the ONPS photo contest and the student winners of the State Garden Club Wildflower Poster Contest. The 14th Annual Bess Snodgrass Memorial Award will be presented to an Oklahoman who has exhibited outstanding work in preservation and promotion of wildflowers.

Sponsors of the 27th Annual Wildflower Workshop are the Oklahoma Native Plant Society, the Oklahoma Department of Transportation, Oklahoma Garden Clubs, Inc., the Southwest District Garden Clubs, and the Iris Garden Club of Elk City.

A Wildflower Workshop brochure and more information can be obtained by contacting the ODOT Beautification Office at (405)521-4037.



BESS SNODGRASS AWARD LIST

1991

Tennie Zumwalt (deceased), Indianahoma

1992

Dr. Doyle McCoy (deceased), Lindsey

1993

Aileen Roads Carter, Tulsa

1994

Betty Kemm, Tulsa

1995

Dr. Paul Buck, Tulsa

1996

Dr. Connie Taylor, Durant

1997

Ruth Boyd, Noble

1998

Patricia Folley, Noble

1999

Marjorie Franklin, Oklahoma City

2000

Dr. Ron Tyrl, Stillwater

2001

Sherrel Jones, Enid

2002

Dr. Paul Nighswonger

2003

Marcy Robinowitz, Tulsa



GARDEN FESTIVAL 2004

Susan Chambers

Volunteers from across the state came together to talk to several thousand visitors at the 2004 Garden

Festival, held at the Cox Convention Center in downtown Oklahoma City. The festival ran from January 29 through February 1. On display were the photo contest pictures from 1995 plus a display of Charles Lewallen's photos, also seen on his website. We distributed literature, educating people on the correct way to sow wildflower seed for a meadow; a list of native shrubs, trees and vines that encourage visitors to the garden; recent issues of the newsletter; brochures announcing the Color Oklahoma project of the Native Plant Society and applications for membership to the society. Nine members joined the society over the run of the festival. Members volunteering for booth duty were Lynn Allen, Susan and Wayne Chambers, Dan and Jeannie Coley, Chad and Pat Cox, Betty Culpepper, Lou Duke, Pat Folley, Pearl Garrison, Betty Kaelin, Sharon McCain, Jerry Newhouse and Marilyn Stewart.



INDOOR OUTING 2004

Susan Chambers

The Indoor Outing was held in Oklahoma City, at the OKC Zoo. Participants from all over Oklahoma and parts of Texas watched the weather forecast with eagle eyes. Some were not able to attend who were from southern Oklahoma and northern Texas, due to the extreme weather conditions. Those who did make it were treated to a Valentine's Day program on poisonous and toxic plants served up with a dose of humor all around. Dr. Ron Tyrl, Dr. Bernard Robinowitz and Dr. Sandra Morgan gave very informative and entertaining presentations in the morning and Dr. Tyrl, Pearl Pearson (horticulture curator at the zoo) and Wayne Chambers (horticulture technician at the zoo) presented the workshops in the afternoon.

Volunteers from the Central Chapter of the Native Plant Society manned several posts from the registration table to the information display to the merchandise tables. Those who helped with this years effort were Susan and Wayne Chambers, Lou Duke, Tina Julich, Sharon McCain, Jerry Newhouse, Pearl Pearson and Dr. Ron Tyrl. Non-members assisting were Dr.Sandra Morgan, Dr. Bernard Robinowitz and Edith Siemens.

Our thanks go out to the OKC Zoo for allowing us to have the use of a beautiful facility for this year's meeting.

OKLAHOMA NATIVE PLANT RECORD VOLUME 3

The first shipment of our third volume of the *Oklahoma Native Plant Record* has been mailed out and I am anxious to hear how much you like it. The *Record* doesn't have a stuffy, dry enumeration of research by authorities from somewhere else, about environments and plants we don't have, listing species we don't see. It's about *us* and what *we've* learned about plants in Oklahoma. It has something for everyone of us, whether we are home gardeners, amateur botanists, landscapers, teachers, professors, or researchers. It is our hope that the *Record* is useful in many ways. We try to present the most important of historic documents that have been used by botanists and educators for decades but were never published for wider use. We want to include lists of flora from every part of the state so that wherever you travel in Oklahoma, you can take with you the checklist for that area in one of our volumes. Hopefully, you'll find species not already listed there and can help the Oklahoma Biological Survey track the unlisted species. From other articles you can learn about Oklahoma's flora from scientific studies and research done in Oklahoma, and about Oklahoma's plant resources. Recent sightings of new, important species are reported much quicker in the *Record* than if they had to wait to be included on a "space available" basis in journals covering larger regions. We also include an educational and entertaining essay in each issue. These articles are bound to enlighten and encourage members who will share their copies broadly, engaging friends and colleagues in more meaningful conversation promoting Oklahoma's botanical heritage.

Volume 3 features "Mistletoe in Flower" by Mr. Charles Lewallen on the cover and includes these excellent articles: "Black Mesa Flora Study", by Dr. James K. McPherson, "Black Mesa State Park Flora Update", by Ms. Patricia A. Folley, "Vascular Flora of the Keystone Wildlife Management Area," by Dr. Bruce W. Hoagland and Ms. Amy K. Buthod, "Floristic Survey of the Nature Conservancy's Preserve in Johnston County, Oklahoma," by Ms. Kimberly A. Shannon, "Historical Accounts of the Transformation of a Prairie Town," by Mr. Todd D. Fagin and Ms. Melissa Scott Brown, "Three Bird Orchid and Crane-fly Orchid in Oklahoma," by Dr. Lawrence K. Magrath, and "Take Time to Watch, Not Just Smell the Wildflowers, by Dr. Gloria M. Caddell.

Your *Oklahoma Native Plant Record* staff and reviewers are unpaid volunteers, bringing you this one-of-a-kind resource at cost, as a service to the Society, educational institutions, and readers interested in fulfilling our goals. To help us keep the costs as low as possible, please return your order form for Volume 4 before December 1 so that we can use our bulk mail permit to send it out, thus reducing postage costs. Volume 3 we have just described and back issues can still be ordered on the form in this issue and will be mailed out as soon as they are available, while supplies last. If you haven't already sent your order and payment, please do, I can hardly wait for you to read it.

Sheila Strawn, Managing Editor

The 2004 issue is being offered to members, non-members, libraries, colleges, and universities at a subscription rate of \$9.00. It is also available in electronic format (CD) at \$9.00. Rates include shipping and handling. If you would like to receive the journal please return the lower half of this notice with your payment. Journal will be shipped in December 2004.

Oklahoma Native Plant Record order form

Name _____

Institution _____

Mailing address _____

State and Zip code _____

of Print Volume 1 (free to members & libraries) _____

of Print Volume 2 @ \$7.50 _____

of Print Volume 3 @ \$8.50 _____

of Print Volume 4 @ \$9.00 _____

of CD Volumes 1-4 @ \$9.00 _____

Total enclosed \$ _____

CHAPTER ACTIVITIES

Crosstimbers Chapter
Suzanne McAlister

Our first excursion of the this year occurred on 24 January 2004, when approximately 25 hardy folks carpooled down to Mike Palmer and Sue McAlister's place near Perkins, OK for a two hour ramble through the woods and along the creek that is a tributary of Lost Creek. Despite an overnight rain, the weather that cloudy afternoon was very reasonable for January. The walk began in our yard, looking at the small rosettes of hardy winter annuals that keep it green except in the coldest winters. We saw *Erigeron strigosus*, *Plantago virginiana*, *Veronica* spp., and tasted *Valieranella radiata*. Also green and growing on soil banks in January are the thalloid liverworts *Reboulia* and *Conocephalum*, and the mosses *Atrichum* and *Entodon*. We were able to see spore dispersal in the latter, as puffs of orange dust when the sporophytes were lightly brushed. Highlights of the upland crosstimbers forest were *Quercus stellata*, *Quercus marilandica*, *Carya texana*, *Cercis canadensis*, *Antennaria plantaginifolia*, *Solidago ulmifolia*, *Smilax bona-nox* and *Carex* spp. Just on the edge of the steep bluff down to the creek were several marvelous examples of *Quercus muehlenbergia* (Chestnut Oak), with trunks of light flaky bark curving over the leaf-covered slope. Down along the creek we saw *Equisetum hyemale*, *Chasmanthium latifolium*, *Viburnum prunifolium*, *Morus rubra*, *Platanus occidentalis* growing in the moist soils and shady conditions. After leaping the creek to the south bank of the ravine with its many rock faces and boulders, we found *Pellaea atropurpurea*, *Asplenium platyneuron*, as well as the mosses *Mnium* and *Fissidens*, as well as numerous lichens, which, unfortunately, none of us could put a name to. The walk progressed back up to the crosstimbers forests, while looking down upon a tributary creek, then crossed this creek (a small jump this time) and back up, then down and back up to Mike and Sue's house for hot drinks and cookies. Interested folks also looked around the small pasture at typical tall-grass prairie species and also our home garden. We enjoyed hosting everyone.

In March we will have a potluck dinner, with a speaker, but these plans have not yet been finalized.

Central Chapter
Sharon McCain

With the leadership of Susan Chambers, ONPS had a booth at the Oklahoma City Garden Festival on January 29, 30, 31 and February 1, 2004. Many volunteers helped promote ONPS with several new memberships.

Again with the leadership of Susan Chambers and Central Chapter volunteers we had a fun day of learning at the Indoor/Outing at the OKC Zoo on February 14th, 2004.

March 29, 2004 we will meet at the OKC/OSU Hort Center at 400 N. Portland, Oklahoma City for an informational meeting. Speaker will be Lewis Scott, park naturalist with Will Rogers Park, OKC with a program on "The Turf Free Lawn".

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.

April 25th, 2004 from 1 to 6 p.m. with the leadership of Pat Folley we will have an informational booth at Earth Day in Norman with activities for children. If you would like to volunteer to help, please contact either Pat Folley or Sharon McCain.

Page 10

May 2nd, 2004 at 2:00 p.m. we will meet at the Children's Museum in Seminole to view a pristine acreage next to the museum that has been under the watchful eye of Marilyn Stewart. From OKC, go east on I-40 to Highway 99 which is the Seminole exit—(exit #200), go south about 13 miles to Highway 9, turn right (west) and the museum is about 2 miles down on the North side. From Norman, just go east on Highway 9 until you get to Seminole State College, the museum is about 1 mile past there.

June 19th, 2004 we will have a field trip to the Tallgrass Prairie Preserve in Osage County. Tentatively plan to meet and carpool or caravan at Edmond on I-35 at approximately 7:30. We plan to meet at the Preserve about 10:00. Pat Folley will help lead the field trip at the preserve. Bring your lunch as we will have a group picnic at the preserve. All details are in the planning stage so call if you have interested in attending.

Tentative Dates set but planning has not been finalized:

July 17th, 2004 early morning field trip to Betty Kaelin's on the South Canadian River. For a river walk to locate the least tern. Betty's place has been listed on the Natural Heritage Inventory because she has least tern nesting sites.

September 18th 2004 field trip to Bonnie Winchesters farm at Douglas, Oklahoma. Bonnie was featured in the first issue of Oklahoma Gardening and has many native grasses, etc on her wheat farm. Details as to time to follow.

October 30th, 2004 field trip to Red Rock Canyon to view the Caddo Sugar Maple fall foliage.

November 29th, 2004 indoor meeting finally. Speaker will be Tim Cannon.

Since this year is somewhat planned, if you have any suggestions for speakers for 2005, please let me know. Sharon McCain 376-2768 or direct work # 556-2341

Mycology Chapter
Clark Ovrebo

The Mycology Chapter will begin the new year with two spring events. On Thursday, April 1, 7 pm, Clark Ovrebo will give a lecture on spring ascomycetes at Crow's Secret Nature Center, Lake Thunderbird State Park, 13101 Alameda Drive, Norman. On the following Sunday, April 4, a spring mushroom walk will be held at the same locality at 1 pm. The mushroom of main interest in the spring is the morel, *Morchella esculenta*, a delicious edible. If you have found this mushroom or any others please bring a few to the meetings to show.

WELCOME THESE NEW MEMBERS

Martha Barrett, Broken Arrow
Don Beadles, Alva
D. Wayne and Marlene Foxworthy, Ponca City
Carol Goyer, Weatherford
Donald V. Hertzler, Weatherford
Curt Jennings, Mustang
Ellen Johnson, Weatherford
Michael Morris, Tulsa
Mary W. Rader, Stillwater
Charlie & Cindy Sandine, Oklahoma City
Fred Schneider, Norman
Jennifer Shubert, Edmond

OKLAHOMA NATIVE PLANT SOCIETY: 2005 PHOTO CONTEST

This contest is open to the public. All photos entered become the property of ONPS, to be used for displays or educational purposes. ONPS will credit photographers. All entries accepted for judging will be displayed.

Entries will be in these four categories:

Beginners - for those who have never placed in one of our contests before. (any style)

Amateur close-up - for adults who have not placed in an ONPS contest before. Images should show subjects less than one foot (12 inches) across.

Advanced close-up - for all entrants who have placed in one of our previous contests, or who choose to enter as "advanced". the subject should be less than 12" across.

Habitat open to all: may show one plant or a group of plants, with emphasis on the plant's community..

Prizes:

First, \$50.00; second, \$25.00; third, \$15.00. Honorable mentions will be awarded as the judges determine. A special prize of \$75 for "best of show" may be awarded at the judges' discretion. A special prize of \$75 may be awarded for the best photo from a "botanical" point of view at the judges' discretion. All entries are automatically considered for this award. Awards will be presented at the Oklahoma Wildflower Workshop in May, 2005. Prizes will be mailed to those who cannot be present.

Rules:

Photographs entered are to be of *native plants* growing wild in Oklahoma.

Each contestant may enter a maximum of three unmounted color prints in each of two categories, a total of six photos. They must be between 4" x 6" and 5" x 7" inches in size.

Photographs entered in previous contests are not eligible.

Pictures need not have been taken during the past year.

Photos not meeting all requirements will be disqualified from being judged.

All judged photos are mounted onto poster board, and the current year's posters will be on display from mid-June thru mid-August each year in Oklahoma City at the International Photographer's Hall of Fame & Museum, located in the Kirkpatrick Omniplex Center. Past years' posters are available for display for limited periods. The number of posters in a set will vary based on the number of entries. To reserve a set for display, contact Sue Amstutz / 4190 E. 46th Place, Tulsa, OK 74135 / (918)742-8374, or Leslie Cole-Jackson, 1217 N.W. 199th, Edmond, OK 73003/ Ph (405)359-0641.

TO ENTER:

In addition to sending your name, address, telephone number, *be sure to attach to the back of each photo the contestant's name, category entered, orientation of the photo unless obvious and the name and location of the plant (if known)*. Entry must be made before 1 December 2004. Entries and \$2 entry fee should be mailed to: ONPS Photography Contest, c/o Chad and Pat Cox, 2241 Ravenwood, Norman, OK 73071-7427.

FOR JOINING OR RENEWAL, 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: _____

Home Phone: _____ Office Phone: _____ Please do not list my phone _____

E mail: _____

Renewal or New Member Dues are tax deductible.

Annual Membership Choice: \$10 Individual or \$15 Family , or \$5 Student

Life Membership Choice: \$200 Individual or \$300 Family

Add \$3.00 to cover cost of copying and mailing a complete ONPS directory if desired.

The Gaillardia

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