

Gaillardia

Oklahoma Native Plant Society

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

Volume 34, Number 2 Summer 2019

INSIDE THIS EDITION

President's Column	2
2019 Annual Meeting	3
October Field Trip	4
New Members	5
Meet Ethel Mae Brown	6
Flora of Oklahoma, Illustration Plates	7
WOW at Wister Lake	8
State Butterfly	9
Chanter News 9 8	ይ 10



Oklahoma State Butterfly
Black Swallowtail Butterfly
Learn more on page 6.

Upcoming Events/Activities

(check the ONPS website for more details)

Central Chapter - 1st Thursday, 6:30 Social and 7:00 Meeting **OSU/OKC Horticulture Bldg,** 400 N Portland, Room 196

NE Chapter - 2019 September 9th and December 2nd, 6:30 Social and 7:00 Meeting Tulsa Garden Center, 2435 S Peoria Ave, Tulsa

Fabulous Wildflower Fridays, 3rd Friday, 5:30 casual **Panera Bread**,5601 E 41st Street, Tulsa

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

ONPS Annual Meeting

Quartz Mountain Resort
Arts and Conference Center

September 20th-22nd, 2019
See page 3 for details...

Gaillardia

Published quarterly by the Oklahoma Native Plant Society P. O. Box 14274, Tulsa, OK 74159

President Bruce Smith
Vice-president Bill Farris
Secretary Connie Murray
Treasurer Mary Korthase

Directors at Large

2018: Barbara Klein and Mary Gard 2019: Kathy Supernaw and Maryhelen Hagge 2020: Rahmona Thompson and Alyssa Whiteman 2021: Ray Luth and Janet Thomas

Chapter Chairs:

Lynn Michael Northeast
Patrick Bell Central
Elaine Lynch Cross-Timbers

Committee Chairs:

Historian Fran Stallings **Publicity and Merchandise Alicia Nelson** Conservation **Chadwick Cox TGC Liason** Maryhelen Hagge **Betty Kemm Award Sue Amstutz Awards Connie Murray** Membership Database, interim Tina Julich **Photo Contest** Lvnn Michael Mailings/Printings **Sandy Graue Native Plant Record Gloria Caddell** Website Adam Ryburn

ONPS website:

www.oknativeplants.org

ONPS email: oknativeplants@yahoo.com

Gaillardia New email: ONPSGaillardia@gmail.com

From the New Editor

I am very proud to have been selected as the Chief Editor of the Gaillardia. I will do my best to produce a Newsletter that all our Members can enjoy.

New Article Submission Deadlines:

February 1st
May 1st
August 1st
November 1st

Forest L Chapman



President's Paragraph

Dear ONPS members:

We had a very productive board meeting in Tulsa June 15. The meeting was led by Bill Farris and Constance Murray with several board members in attendance. The group discussed plans for the fall and other business. I want to encourage everyone to be active members and to invite others to join ONPS.

God Bless

Bruce A. Smith cmwootoni1@gmail.com

COPY & ART DEADLINE FOR THE NEXT ISSUE IS August 1st, 2019

Botanist's Corner

(will return in the Fall issue of the Gaillardia)

"If all mankind were to disappear, the World would regenerate back to the rich state of equilibrium that existed ten thousand years ago. If insects were to vanish, the environment would collapse in to chaos.

E.O. Wilson— Biologist

Poa arichnifera - Texas Bluegrass

Texas Bluegrass or Poa arichnifera has been a surprise "hit" at Prairie Wind Nursery this spring. After learning of Texas Bluegrass last year, we brought in stock last fall and planted into one gallon pots to grow out with the intention of experimenting with it as a



shade tolerant turf grass. As the surprisingly showy flowers began to develop this spring, customers were quick to grab them on first sight. We had to quickly pull some pots from the retail area in order to have stock to propagate more.

Poa arichnifera - Texas Bluegrass is a dark green, cool season bluegrass native from New Mexico through Texas, Oklahoma, Kansas and eastward to the Carolinas. It is a drought tolerant sod forming grass growing from 6-12". It can be used in high traffic areas and grows in full sun to all but the shadiest of areas. The dark green foliage is soft, yet durable and feels good to bare feet, can be mowed for a more traditional lawn look or left uncut for a meadow look.

Since Texas Bluegrass is a cool season grass it will go dormant in summer without rainfall or some irrigation, once a week should be sufficient. It tolerates a wide range of soils is pest and disease free, unless it is overwatered, then growth can be stunted and rust can develop.

Texas Bluegrass is fair graze for wildlife, produces seeds for small mammals and birds and make good nesting material.

Once we get stock built back up we will be putting in test plots here at the nursery and will report our findings in the future.

Bill Farris

Prairie Wind Nursery

2019 ONPS Annual Meeting

September 20th-22nd

"Save the Date"

The ONPS annual meeting will be held September 20th-22nd, 2019 at the Quartz Mountain Resort Arts and Conference Center, Lone Wolf, Oklahoma. Friday evening, the park manager will be giving a presentation about the unique and interesting flora and fauna of the region. This years abundant rainfall has produced a spectacular display of wild flowers in the SW (and rest) of the state. The fall flowers will hopefully be as impressive. Additionally, the native grasses should be at their apex about the time of the meeting. Speakers and field trips are in the works. As we have more information, it will be posted on the ONPS website and emailed to members. Mark your calendars, bring a friend and plan to join us.

Patrick Bell Chair, Central Chapter, ONPS



October Field Trip

to Bamberger Ranch Preserve and Ladybird Johnson Wildflower Center

Sign up will be on Eventbrite. Signup opens on July 20 at 10:00 am. On Eventbrite search Bamberger Ranch Tour, use password- **Selah**. There are 40 tickets available. It is first come first served. Two tickets are available per signup. The tentative itinerary is as follows: Thursday Oct. 24 - Make your own way to Marble Falls, TX for the night. There a number of hotels and price ranges available. I will check on a group rate at the Best Western after signup is complete. The cost of this event is only \$20.00 per person.

Friday October 25th

Breakfast -on your own.

7:45 am. Depart Marble Falls. It is a 45 minute drive to Bamberger Ranch Preserve. Tour members should arrive at the ranch by 8:30 am. (Note: Google Maps etc. do not function accurately once you enter the ranch.) I am available to lead a convoy for anyone who would prefer to travel as a group. The tour begins at 9:00 am. and concludes 12:30- 1:00pm.

After the tour we will make our way into Johnson City for lunch.

After lunch - Travel to Austin. Suggested afternoon activity: Tour The Natural Gardener Nursery.

Find lodging for the night. (Suggested hotels to be determined.)

Dinner and evening activities - On your own.

Saturday October 26th

Breakfast - On your own.

9:00am. - Meet at the entrance to Ladybird Johnson Wild Flower Center for a tour and exploration.

Noon-ish - Lunch at the LBJ Wildflower Center Café.

Saturday afternoon -

Suggested activities -

Visit Barton Springs Nursery and/or Vivero Nursery.

(The nurseries, including The Natural Gardener are relatively close to the Wildflower Center.)

Tour Zilker Park Botanical Gardens.

Saturday evening - On your own. Austin is well known for it's food, entertainment venues and cultural district or head for home if you choose.

Sunday October 27th - Return Home

For additional information on Bamberger Ranch Preserve and the tour go to www.bambergerranch.org.

This should be a great trip and a lot of fun.

Bill Farris

Welcome New Members

The Oklahoma Native Plant Society wants to welcome all the new members who joined our group over this past year. Information for field trips, Membership Annual Meeting, special events and speakers can be found on our website (www.oknativeplants.org), our Facebook page (Oklahoma Native Plant Society), in the Gaillardia, and from emails. We look forward to seeing you at a meeting for your local chapter and become involved.

Laura Abert, Broken Arrow Laura Apblett, Stillwatwer Timothy Batson, Jenks Joseph Bennett, Edmond

Deborah Blackburn, Oklahoma City

Brian Blakley, Tuttle

Tyler Bright, Sand Springs

Elaine & Alvin Cearley, Norman

City of Muskogee

Shane Clark, Oklahoma City

Heather Slutz & Joseph Coderre, Talala Sharon Conatser-New, Midwest City

Alexander Connor, Tulsa Lisa Cook, Glencoe Carrie Dickason, Tulsa Debbie Drinko, Tuttle

Susan Evans, Newalla

Samantha Fowler, Checotah Barry Fox, Oklahoma City Michael Friday, Noble

Micah Friedman, Oklahoma City

H. Geller, Oklahoma City Matthew George, Tulsa Shell Green, Madill

Luke Gronemeyer, Oklahoma City

Dr. Rick Hammer, Abilene, TX

Patrick Harger, Jones Janet Horner, El Reno

Blayne Housh, Oklahoma City

Thomas Hunt, Tulsa

Georgia Irion, Oklahoma City Barbara Johnson, Wilburton

Meredith Jones, Tulsa

David Korrect, Oklahoma City

Phil & Vicki Lamb, Tulsa

Amanda Lane, Oklahoma City

Susie Lawrence, Braggs

Karen Marasco, Shawnee Dennis Martin, Stillwater

Daniel Martin, Edmond

Michele McIntosh, Edmond

Kenneth & Andrea McMahon, Norman

Claire Milligan, Oklahoma City

Anita Mills, Tulsa

Blake Mitchell, Oklahoma City Patrick & Trudy Morey, Tulsa Taylor Muller, Oklahoma City Brad &Rebeca Palmer, Mustang

Claudia Parr, Tulsa

Sharon Plescia, Broken Arrow

Hollis Price, Jones

Carol Puckett, Broken Arrow Suzanne Reinman, Stillwater Maggie Scott, Broken Arrow

Genie Shannon, Tulsa

Andrea Slusser, Oklahoma City Carol & Sam Smith, Piedmont Betty Sterling, Kansas City, KS Norma Stewart, Chickasha Henry Stowe, Oklahoma City Trudy Sudberry, Muskogee Michael Taber, Oklahoma City Edward Takamura, Edmond Kayley Thurber, Oklahoma City

Donald Unruh, Bixby

Allen Voyles, Oklahoma City Megan Watson, Edmond

Susan & Mark Wegrzynski, Oklahoma City Benjamin & Kimberly Weiss, Oklahoma City

Laurie Wickenkamp, Norman Scott Williams, Norman

Mary Logan Wolf, Luther

Alissa & Richard Woods, Red Oak

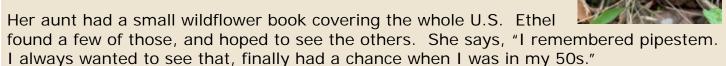
Lynne Wright, Oklahoma City

Bryan Yockers, Tulsa

Meet Ethel Mae Brown

by Fran Stalling

Ethel Mae Brown says she was a "city kid: Cushing OK" but was always interested in flowers. She and her brother spent a week each summer on their aunt and uncle's farm, hiking through the woods to the adjoining farm that had belonged to her own family. Her two older siblings were born in the house there, which had burned. She and her brother enjoyed exploring the properties and investigating the plants.



Training as a pharmacist at OU, she says she was "on the cusp" between the days of medicinal botany and lab chemistry. Although the department had a greenhouse and one of their professors was keenly interested in medicinal plants, the students only studied them "on paper." She worked as a hospital pharmacist for 43 years, now retired for 22.

Harriet Barclay's field trips rekindled her interest in wildflowers. "Oklahoma is two different places," she notes, recalling that halfway across the state they'd have to switch guidebooks. She fondly recalls the field trip to Black Mesa, where she met Mary Korthase, and a trip to east Texas where they got special permission and a guide to go into a park and see tiny yellow flowers floating on water.

Ethel also saw those yellow flowers in South Africa! Dr Barclay led a trip there for a small group back in apartheid days: "We had the place to ourselves."

"How could someone not be interested in flowers?" she asks. She had wildflowers in her Tulsa front yard until her sister-in-law replaced them with sod in deference to neighbors' tastes. She hopes they'll come back up this spring. The back yard, however, is "normal" with trout lilies (*Erythronium*) that she planted from bulbs, after admiring them in Redbud Valley.

Ethel used to visit Redbud Valley at least twice a year, but now does few outdoor things. She can still drive, and enjoys ONPS meetings when they don't conflict with her other commitments.



Flora of Oklahoma Keys and Descriptions, 2nd edition

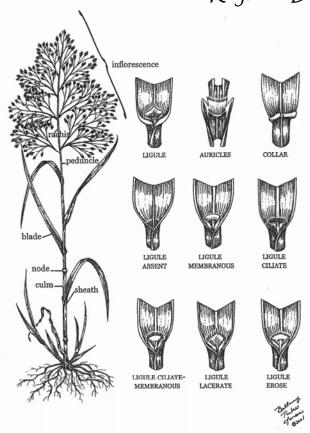
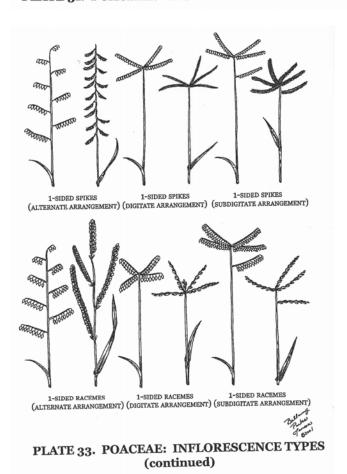


PLATE 31. POACEAE: VEGETATIVE MORPHOLOGY



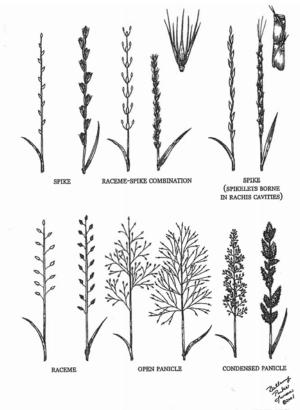
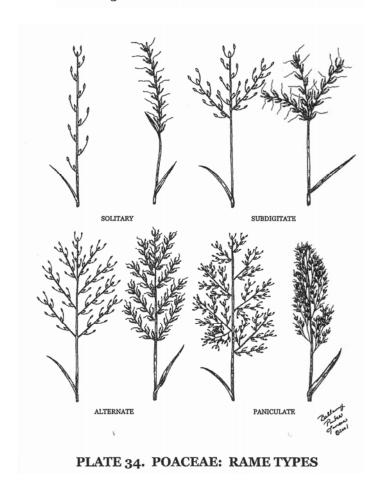


PLATE 32. POACEAE: INFLORESCENCE TYPES



Despite forecasts for rain, the weather was terrific and the WOW weekend of 2019 was amazing! Friday evening, April 26 we gathered at the Group Camp Dining Hall at Victor's Landing of Wister Lake State Park. After a sumptuous meal of fajitas with all the trimmings, we had a program from Steve Patterson on the area and attributes of Lake Wister.



First thing Saturday morning we travelled by caravan to Runestone State Park in Heavener and were rewarded with lovely and infrequently seen wildflowers like Shooting Stars and American alum root, and a Black Vulture with her nest.







After lunch at Subway, we met at the Kerr Center for Sustainable Agriculture and Director David Redhage gave us a tour and talk on the wildflowers planted there and acreages close by.



Wild quinine, yellow false indigo, Nuttall's Cornsalad, and purple larkspur were treats there.

We finished up at the Oxbow lake area where Thomas Nuttall passed by in 1819.

One

surprise of the trip was that we happened upon an abandoned house in Heavener with an amazing display of wildflowers and a

posting to clean up the "weeds". The weeds included Spiderwort, Fringe tree, and Showy evening primrose. Sunday we finished up our trip around Lake Wister. We

saw Nuttall's Death Camas, Bird'sfoot violets, Redring milkweed,
penstemons and lots more on
walks around the lake. Surprises
are not unusual on our Oklahoma
Native Plant Society trips and they
always add an element of
excitement and reward as we visit

the diverse native plants in our state. Come join us for our next surprise.



Black Swallowtail Butterfly Oklahoma State Butterfly

Black swallowtail butterfly (Papilio polyxenes), official state butterfly of Oklahoma.

Oklahoma designated the black swallowtail butterfly as the official state butterfly symbol in 1996 (Oklahoma recognized a state insect in 1992).



Photo by Mary Keim on Flickr (noncommercial use permitted with attribution / share alike).

Oklahoma is home to a wide variety of colorful butterflies. The black swallowtail (Papilio polyxenesis) is a migratory butterfly species indigenous to Oklahoma from May to October.

Quote from Oklahoma legislation: "The black swallowtail butterfly plays a vital role in the cross-pollination of plant life in Oklahoma, which is a necessary link in the chain which supports our ecology. In addition, the presence of the black swallowtail in Oklahoma not only adds color and beauty to our state but provides enjoyment for our citizens and an opportunity to study and understand the contributions this insect makes to our environment."

Source: Oklahoma State Symbols: OK Historical Society Symbols of Oklahoma: okhistory.org

Central Chapter News

Patrick Bell, Chair, Central Chapter

Save the Date!!!

The ONPS annual meeting will be held September 20th-22nd, 2019 at the Quartz Mountain Resort Arts and Conference Center, Lone Wolf, Oklahoma. Friday evening, the park manager will be giving a presentation about the unique and interesting flora and fauna of the region. This years abundant rainfall has produced a spectacular display of wild flowers in the SW (and rest) of the state. The fall flowers will hopefully be as impressive. Additionally, the native grasses should be at their apex about the time of the meeting. Speakers and field trips are in the works. As we have more information, it will be posted on the ONPS website and emailed to members. Mark your calendars, bring a friend and plan to join us. Central Chapter will be on Thursday, August 1st, 6:30pm, OSU-OKC Horticulture Bldg., rm 196, 400 N. Portland Ave

NE Chapter News

Lynn Michael, Chair, NE Chapter



The garden is coming alive and every day brings new surprises! What I love about a wildflower garden is you never know what will just show up. NE Chapter had a busy spring as we had field trips every Saturday for the Virtual Bioblitz in April.

The last weekend of April

was our WOW weekend to the Kerr properties and Wister Lake. We stood on ground where Thomas Nuttall first discovered some of our Oklahoma species exactly 200 years ago. In May



we had a program by Cheryl Cheadle on the works of



Blue Thumb. Also in May, we participated with a booth at the Audubon Backyard Habitat Tour. Lots of people saw gardens presently planted with wildflowers and had the opportunity to purchase native plants at most of the tour homes.

We hosted the board meeting at the Tulsa Garden Center on June 15th. Our summers are spent in our wild-flower gardens at our homes and around the country-sides.

Our next meeting will be 6:30 p.m., September 9th at the Tulsa Garden Center when Jona Tucker will give us a program on Thomas Nuttall and his travels through the Arkansas territory. He is responsible for the



names and identification of many of our native plants. Our December meeting will be at 6:30 p.m. on the 2nd and we will hear about the native plantings at The

Gathering Place in Tulsa.



Fall field trips will be posted on Facebook, and notifications by email. Come join us as seasoned naturalists, or beginners just learning to love native plants.

Ponderings from the Annual Central Chapter Picnic and Social Gathering

Nestled within the ancient forests of the Cross Timbers, one will find several native plant enthusiasts



wandering the walking paths throughout Prairie Wind Nursery, eyeballing

their next must-have plant for their garden or landscape. On May 5th, 2019, Prairie Wind Nursery hosted the annual ONPS Central Chapter picnic and social gathering, with many of us native plant lovers unexpectedly finding ourselves in pure retail-therapy bliss, locating the perfect plant to add to our own personal gardens.

Bill Ferris, Owner of Prairie Wind Nursery, gave an

informative and detailed tour throughout the greenhouses, while Patrick Bell, Chapter Chair for the ONPS Central Chapter, grilled burgers and hotdogs, throwing out witty comments that generated several good belly laughs, resonating throughout the nursery and into the surrounding forest.



The nursery was the perfect spot for ONPS members to gather together, talk about all-things-plants as well as their signature side dish they brought for everyone to enjoy. As I write this, I instantly feel full from all the wonderful food and drinks that were provided, as well as enjoying the plants that have a new forever home in my own personal garden. Looking forward to the next gathering!

By: Crystal L. Sizemore, ONPS Member

Oklahoma Native Plant Record

I just wanted to let everyone know that the 2018 issue of the *Oklahoma Native Plant Record* is now online at:

https://ojs.library.okstate.edu/osu/index.php/ ONPR/article/view/7893/7285

ISSN 1536-7738

Oklahoma Native Plant Record



Journal of the Oklahoma Native Plant Society Volume 18, December 2018

Please take a look! Thanks to all the editorial staff (Chad King, Mark Fishbein, Paul Shryock, Sandy Graue, Erica Corbett) for all their help.

Gloria Caddell, Ph.D..

Associate Dean, College of Mathematics and Science Professor, Department of Biology Managing Editor, *Oklahoma Native Plant Record* Curator of Vascular Plants University of Central Oklahoma Edmond, OK 73034 (405) 974-2722 gcaddell@uco.edu

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, PO Box 14274, Tulsa, OK 74159.

Membership is for Jan. 1 – Dec. 31 of current year and dues include subscription to *Gaillardia*.

(Please Print Clearly)	
Name:	
Affiliation: (School, Business, or Avocation)	
Address:	
City:	State: Zip:
Phone: Home: ()	Cell: ()
	(Please don't list my phone in the directory:)
Renewal New Member (All dues a	
Need more details or a digital directory email: oknativ	
reced more details of a digital directory email. Oxnativ	cplants & yanoo.com
Membership Levels:	Chapter affiliation:
Individual (\$20)	Central (OKC area)
Family (\$25)	Northeast (Tulsa area)
Life Individual (\$300)	Crosstimbers (Stillwater area)
Family Individual (\$350)	Mycology (statewide)
Student (\$10) (free with faculty sponsor)	You may sign up for multiple chapters if you like, to receive field trip
	and meeting notices from that chapter.
Order form for Vol	ume 18 of Oklahoma Native Plant Record
Send order form with your check to:	
Oklahoma Native Plant Society	
P.O. Box 14274	Print Volume 18 @ \$15.00
Tulsa, OK 74159-1274	Previous Issues:
(Need an invoice? gcaddell@uco.edu)	Print Volume 1 (free on request)
	Print Volume 4 @ \$3.00
Name	Print Volume 5 @ \$3.00
Or institution	Print Volume 6 @ \$3.00 Print Volume 7 @ \$3.00
	Print Volume 8 @ \$3.00
Mailing address	Print Volume 9 @ \$3.00
State and Zip code	Print Volume 17 @ \$5.00
E-mail address	USB drive Volume 1-18 @ \$10.00
	Shipping charge + \$3.00
	Total enclosed \$
	Also available online at http://ojs.library.okstate.edu/osu/

Oklahoma Native Plant Society P. O. Box 14274 Tulsa, Oklahoma 74159

Non-Profit U. S. Postage Paid Tulsa, Oklahoma

Permit No. 357

Return Service Requested

Summer 2019 Issue IF YOUR LABEL DOES NOT SHOW 2019, PLEASE PAY YOUR DUES

Gaillardia articles, except those reprinted here with permission from other sources, may be reprinted at will. Please acknowledge source and author.

Send all mail, except contributions to the Gaillardia, to:

Oklahoma Native Plant Society P. O. Box 14274 Tulsa, OK 74159 oknativeplants@yahoo.com

For Gaillardia material only, use the editor's e-mail address:

Forest L Chapman Email: ONPSGaillardia@gmail.com

Newsletter Articles NEEDED !!!
Please submit articles for review to:

Urgent News...

ONPSGaillardia@gmail.com

- All material accepted is with the understanding that it can be freely copied and distributed.
- Submit articles with your Name and Title of Article in subject line in a format of txt, rtf or word files in Times New Roman or other standard font types for OCR.

Example: Jane Smith—Flight of the Bumblebees