



# *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 1**  
**Spring 2019**

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As the Spring flowers emerge from their winter resting places, so does our Newsletter. We have a New Chief Editor of the Gaillardia. Forest L Chapman, take a look inside on Page 4 to read his biography.

### Upcoming Events/Activities

(check the ONPS website for more details)

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

**NE Chapter** - 2019 Meeting dates are March 4th, cancelled, May 6th, Cheryl Cheadle of Blue Thumb, September 9th, Jona Tucker, environmentalist, and December 2nd, Stacy Martin, Horticulture Director at the Gathering Place. Meetings at **Tulsa Garden Center**  
2435 S Peoria Ave, Tulsa - 6:30 Social and 7:00 Meeting

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

**Virtual BioBlitz** - Join us during April. At this time, on the 6th our trip is set for Lucky Springs, and the 20th to Eufaula State Park to see the dogwoods along Dogwood Drive and walk the Savannah Loop

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

It's **really** happening this time, on October 25th and 26th of 2019 ONPS is planning a trip to Austin to visit Selah (Bamberger Ranch Preserve) and the Lady Bird Johnson Wildflower Center.

Selah is a 5,500 acre ranch in Blanco County that has been restored to its original habitat. It is a showcase of restoration management and considered large enough to be a functioning ecosystem. Tours are by reservation only, and we will book our tour for October 25th.

The next day, October 26th, we will meet at the Wildflower Center in Austin.

*Full Article on page 3*

## *Gaillardia*

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P. O. Box 14274, Tulsa OK 74159

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[www.oknativeplants.org](http://www.oknativeplants.org)

ONPS email:

[oknativeplants@yahoo.com](mailto:oknativeplants@yahoo.com)

Gaillardia New email:

[ONPSGaillardia@gmail.com](mailto: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 Submissions Deadline:

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

Forest L Chapman

## President's Column

Dear ONPS members:

It was a great Indoor Outing. I really enjoyed my day. The workshop leaders were well prepared and kept their participants engaged on the topic. Thank you Brittany, Constance, Sheila and David. Thank you to the vendors; the Indoor meeting would not have been the success that it was without you. Thanks McCloud High School for hosting the meeting. Thanks Pam Heath, Rhonda Hockenbury, and Chris Olds. Thank you to the McCloud High School Biology Club for all for your help and encouraging signs. Thanks Sandy, Adam and Kim Hill for getting the advertisement out. Last but not least, thank you Elaine for all your hard work and detail. She worked for months on the planning of this meeting. Great job Elaine. I hope I did not leave anyone out.

Now it's time to focus on the Heather Holm's lectures in Tulsa and Oklahoma City on March first and second. There has been a lot of thought and hard work in preparation for these meetings. I hope you will make plans to attend. I am sure it will be one of the highlights of the ONPS year.

I hope you are ready for spring. It's time to start thinking about all the plant projects that you are planning. Perhaps gardening or working on a flora (floristic inventory) or taking a hike and enjoying the Oklahoma flora.

In closing I want to thank Alicia Nelson and Chadwick Cox for all their contributions to ONPS. I wish both of you the best. God bless.

Bruce A. Smith  
[cmwootoni1@gmail.com](mailto:cmwootoni1@gmail.com)

**COPY & ART DEADLINE  
FOR THE NEXT ISSUE IS**

### Botanist's Corner

(will return in the Summer 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

## Frostweed

*Verbesina virginica* L. Biennial deciduous herb with white flowers and dark green leaves in the Aster family can grow to 3-6' tall.

Common names include Frostweed, White Crownbeard, Iceplant, Ice-weed, Virginia Crownbeard, Indian Tobacco, Richweed, Squawweed



At my house frostweed lives in the wild, wooded, naturalized areas and I have to make an effort to see it during the growing season. It produces white blooms late summer and fall. When winter weather conditions are right this dormant plant gets noticed because of the way it exudes water from the base of the stems. The water then freezes into interesting shapes. These formations have been given many names including ice flowers, frost castles, frost beards, crystallifolia and rabbit butter.

This plant likes calcareous (chalky) soils, spreads with rhizomes and is beneficial for native bees and butterflies. Deer don't seem to care for it. The leaves of the plant were sometimes dried and smoked by Native Americans. A few other plants have been known to produce similar phenomena of winter ice crystals.



Nancy Truelove

## 2019 Field Trip

### *Selah, Bamberger Ranch Preserve*

#### **"Save the Date Ya'll"**

Plans are in the works for an ONPS field trip to the Bamberger Ranch Preserve near Johnson City, Texas. Thursday October 24<sup>th</sup> will be a travel day with possible stops along the way. Friday October 25 we will meet at Bamberger Ranch Preserve for a three and a half hour tour beginning at 9:00am.

We will see the results of 37 years of habitat restoration including projects which demonstrate principles of good stewardship. We may also get to see dinosaur tracks, fossil beds, a herd of endangered Scimitar-horned Oryx, The "Chiroptorium" which is a man made bat cave designed to hold a million Mexican Free-tailed bats. We'll walk the nature trail and enjoy Madrone Lake as we watch "The Rain Machine". The Rain Machine is a really cool demonstration of how native grasses capture and hold rainfall allowing it to penetrate into the soil rather than running off and causing erosion as it would on bare ground found under Red Cedar trees.

Transportation on the ranch is on the "Bluebonnet" which is an open air trailer with bench seats and a shade bonnet.

The minimum number of participants required by Bamberger ranch for a private tour is 20 with a maximum of 40, the capacity of the Bluebonnet. For more information on Bamberger Ranch Preserve go to [bambergerranch.org](http://bambergerranch.org).

After the ranch tour we'll have lunch in the Johnson City area and make our way to Austin.

On Saturday the 26<sup>th</sup> we will go to the Ladybird Johnson Wildflower Center and some other sites yet to be determined.

Sunday October 27 we'll make our way back home.

The committee is working to get the remaining activities and details worked out asap.

More details on activities and scheduling as well as a signup form will be in the next issue of the Gaillardia. A small fee will be required to register. Sign up early as only the first 40 get to go.

[www.bambergerranch.org](http://www.bambergerranch.org)  
[www.wildflower.org](http://www.wildflower.org)



## Indoor Outing McCloud Feb 2019

February 9<sup>th</sup> was a classic February Oklahoma day, with a cold wind blowing around 25mph. That didn't deter over 70 ONPS members and students from enjoying plants indoors at McCloud High School. President Bruce Smith welcomed the crowd before everyone broke into small groups for the breakout sessions. Connie Murray taught a winter tree identification workshop using a key developed by Paul Buck. Sheila Strawn taught a workshop on lichens, their life history and identification using her recently published Lichen Study Guide. Brittany Jordan taught a workshop on smudging, or the making and use of smoke purification materials, using common native plants. After lunch we browsed through the vendor booths, toured the school greenhouse, and enjoyed some well-worn journals from Bruce Smith. Then everyone repeated the sessions so all got to do each workshop.

A hearty thank you to the administration of McCloud High School for allowing us to meet there, and a huge thank you to the Bruce Smith's hardworking students for making it all go smoothly! What a great way to spend a winter's day inside increasing one's plant IQ.

Joe Roberts

Becky Carlberg wrote a wonderful article on the Indoor Outing for the Shawnee News-Star Weekender section Gardens of Cross Timbers: *What do Reindeers and Hummingbirds have in common?*

## Meet the New Chief Editor of the Gaillardia

**Forest L Chapman**

Forest Chapman is the owner of **Bullfrog Creek Apiary**. He has been a beekeeper for several years focusing on naturally keeping honeybees without using harsh commercial chemical. Using essential oils and the best natural products he can find in all of his handmade treatments.

He has been the Community Outreach Coordinator for the **Oklahoma State Beekeepers Association** since 2015. As of January 2019, he was elected as the **President** of the **Oklahoma State Beekeepers Association**.

His job duties include traveling around the state of Oklahoma promoting beekeeping by tabling and guest speaking at many different events related to Beekeeping, the Environment, Gardening and Native Landscaping.

He is currently working on an Oklahoma Native Flowering, Fruit and Nut Tree guide to Oklahoma Native Trees and starting the **Native Treasures Tree Farm** promoting the growing and planting trees for honeybees and other pollinators in Oklahoma.

Forest is a **Certified Naturally Grown Beekeeper** and the Founder of **Sustainable Beekeepers Guild**. The Guild is a group of beekeepers that focus on providing alternative methods to raise honeybees in the most natural and sustainable ways possible.

The Guild promotes raising honeybees using natural processes and the use of essential oils treatments rather the traditional commercial treatments.

The Guild is ran as a classroom using teaching aids such as text, handbooks and hands on activities.

The Guild also offer an assortment of beekeeping classes, seminars and workshops educating beekeepers in the sustainable practices.

### **Sustainable Beekeepers Guild meeting:**

1<sup>st</sup> Saturday each month 1pm-4pm

Eastern Oklahoma County Technology Center (EOC Tech)

4601 N Choctaw Rd, Choctaw, OK 73020 use the South Entrance

He is involved in the follow association:

Certified Naturally Grown—[www.cngfarming.org](http://www.cngfarming.org)

Oklahoma State Beekeepers Association -[www.okbees.org](http://www.okbees.org)

Oklahoma Organic Gardeners Association—[www.okorganicgardening.org](http://www.okorganicgardening.org)



**Plants** trees or shrubs or woody vines; deciduous; solitary or colonial; polygamo-dioecious or dioecious; sap viscous. **Leaves** simple or compound; alternate; venation pinnate; resin canals present; stipules absent. **Inflorescences** panicles or compound cymes; terminal or axillary. **Flowers** perfect or imperfect, similar; perianths in 2-series. **Sepals** 5; fused or free. **Corollas** radially symmetrical; imbricate. **Petals** 5; free; yellow or greenish white. **Stamens** 5; alternate with petals; staminodia 0 or 5 to 10 in pistillate flowers. **Pistils** 1; compound, carpels typically 3; stigmas 1 or 3; styles 3 or 1; free or fused; ovaries superior; locules 1; placentation basal. **Fruits** drupes; often resinous or waxy. **Seeds** 1.

The family is represented in Oklahoma by 4 genera and 9 species. It is pantropical with several cultivated taxa including cashew, mango, pistachio, smoke-tree, and sumac. *Toxicodendron*, poison ivy, may cause contact dermatitis in susceptible individuals. *Rhus* and *Toxicodendron* are sometimes combined.

1. Plants producing flowers before leaves.
  2. Plants trees. Perianths absent. .... *Pistacia*
  2. Plants shrubs. Perianths present. .... *Rhus*
1. Plants producing flowers simultaneously with leaves or after leaves are formed.
  3. Leaves simple. Styles lateral. .... *Cotinus*
  3. Leaves compound. Styles terminal.
    4. Leaflets 5–31.
      5. Plants trees. Inflorescences open panicles. .... *Pistacia*
      5. Plants thicket forming shrubs. Inflorescences dense panicles. .... *Rhus*
    4. Leaflets 3.
      6. Terminal leaflets petiolulate; petiolules 10–34 mm long. Inflorescences axillary; spreading or drooping panicles. Drupes white; glabrous. .... *Toxicodendron*
      6. Terminal leaflets sessile or subsessile; petiolules 0–5 mm long. Inflorescences terminal; short spike-like panicles. Drupes red; pubescent. .... *Rhus*

***Cotinus* P. Miller                      Smoke Tree**

One species. .... *C. obovatus*

***Pistacia* C. Linnaeus                      Pistache**

One species. .... *P. chinensis*

***Rhus* C. Linnaeus                      Sumac**

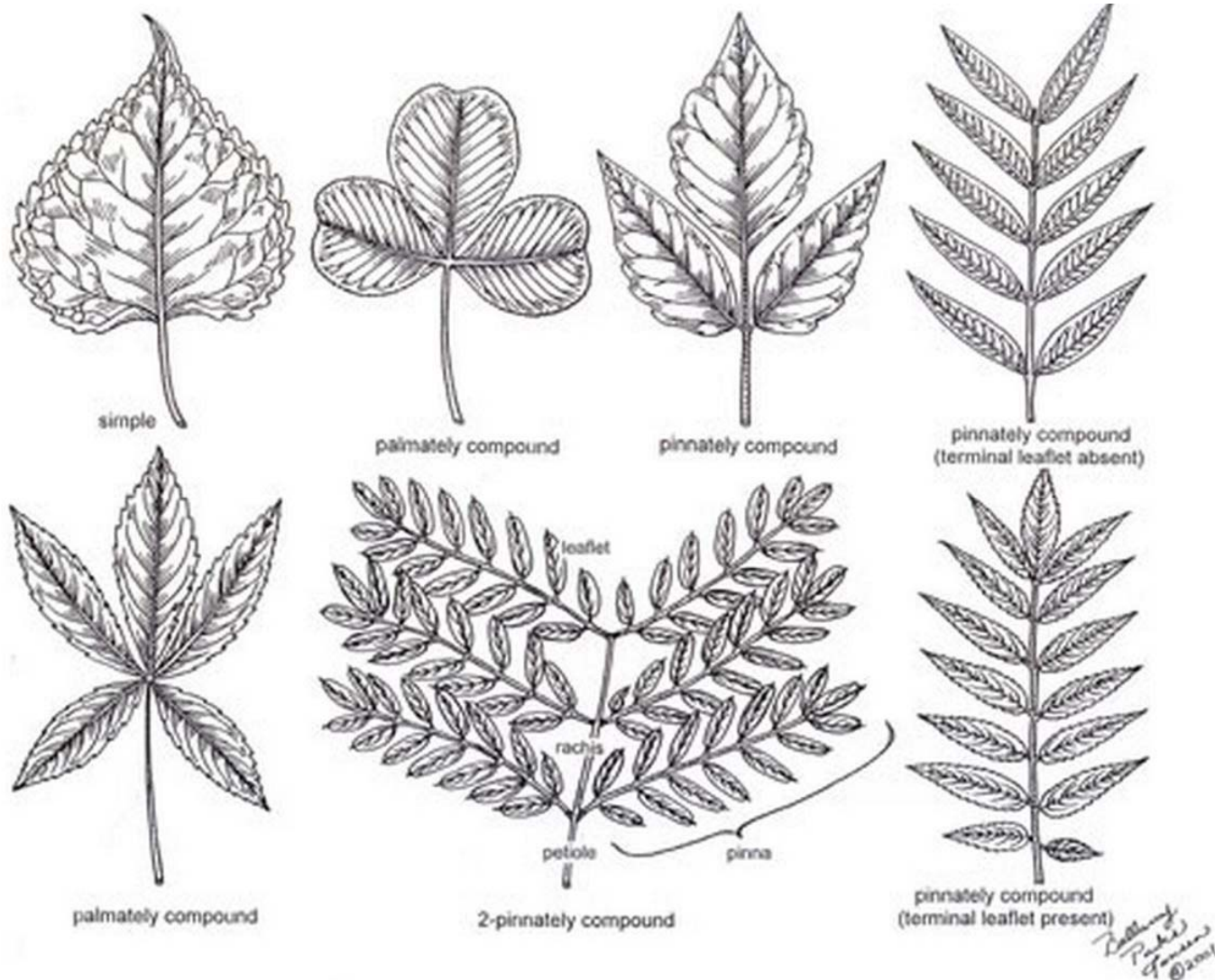
1. Plants producing flowers before leaves.
  2. Plants armed with thorns. .... *R. microphylla*
  2. Plants not armed with thorns. .... *R. aromatica*
1. Plants producing flowers simultaneously with leaves or after leaves are formed.
  3. Leaflets 3. .... *R. aromatica*
  3. Leaflets 5–31.
    4. Leaf rachises not winged. Twigs and small branches glabrous; glaucous. .... *R. glabra*
    4. Leaf rachised winged. Twigs and small branches pubescent; not glaucous.
      5. Leaflets 3–10 mm long. Plants armed with thorns. .... *R. microphylla*
      5. Leaflets 30–70 mm long. Plants not armed with thorns. .... *R. copallinum*

***Toxicodendron* P. Miller                      Poison Ivy**

1. Plants rhizomatous herbs or climbing woody vines. .... *T. radicans*
1. Plants shrubs or subshrubs.
  2. Drupes pubescent. Leaflet margins undulate or multiple-lobed; lobe apices round. .... *T. pubescens*
  2. Drupes glabrous or glabrate. Leaflet margins coarsely toothed or 1-lobed or entire; lobe apices acute or acuminate.
    3. Leaflets suborbicular to broadly ovate or broadly rhomboidal. Petioles 15–25 cm long. Leaves clustered near stem apices. Drupes 5–7 mm in diameter. .... *T. rydbergii*
    3. Leaflets lanceolate to elliptic or narrowly rhomboidal. Petioles 2–16 cm long. Leaves borne along stems, not clustered near apices. Drupes 2.5–5.5 mm in diameter. .... *T. radicans*

## Sample of Illustrations from the Flora of Oklahoma

Plate 3. Blade Dissection



### Selah Bamberger Ranch Preserve

In 1969 business man David J. Bamberger purchased the land that is now Selah Bamberger Ranch Preserve with the goal of teaching ethical land stewardship and to show that given the chance that Nature can heal itself.

Mr. Bamberger sought to buy the worst piece of ranchland he could find. The land he purchased, near Johnson City Texas, was completely covered with Red Cedar trees and mostly void of grass. Several wells were drilled but, no water was to be found.

After two and a half years of mechanically removing the cedar trees and planting native grasses the first spring appeared. There are now eleven springs on the property producing about four thousand gallons of water a day. These springs are the water source for Miller creek.

Controlled grazing and prescribed burns are utilized as needed to manage the grassland. The ranch has received numerous conservations awards from entities such as the Nature Conservancy, Texas Parks and Wildlife and the Texas Wildlife Association.

The ranch offers seminars for landowners, serves as a research lab for botanists, zoologists and other researchers. They provide hands on science classes and nature camps for school children, as well as public tours and workshops for bird-watchers, plant and animal enthusiasts and photographers.

# A YEAR IN THE LIFE OF ONPS ----- 30 YEARS AGO

1989

by: Sue Amstutz

Nora Jones was State President. Other State Officers included Vice President Dr. Paul Buck, Secretary Donna Horton, Treasurer Mary Byrd, Editorial Advisor Marilyn Bell, and Publicity Chairman Irene McKee

Prospective members received an informational document printed on pale green paper. This document outlined membership qualifications, ONPS activities: Newsletters, Field Trips, Educational Programs, Oklahoma Beautification, and Encouraging Conservation and a "tear-off" Membership Application blank.

The Gaillardia was already in existence and was at that time published bi-monthly. It listed our mailing address as the Tulsa Garden Center. The May/June issue included a "Dear Readers" column which invited writers to submit reviews, recommendations of books, articles, etc. which other members might enjoy, with a submission deadline of June 12.

## MAJOR EVENTS OF 1989 AS DESCRIBED IN THE GAILLARDIA

1. The first Oklahoma State Wildflower Day was held on May 20, 1989. A Certificate of Appreciation was presented by ONPS to Oklahoma First Lady Mrs. Henry Bellmon and to State Senator Enoch Haney for their efforts in promoting Oklahoma wildflowers and beautification.
2. ONPS held a logo contest which ran from June 1 through November 4, 1989. Announcement of the competition and entry requirements appeared in Volume IV, 1989 Gaillardia. Five nominated designs were submitted by the State Executive Board to the general membership, with voting scheduled for the 1989 Annual Meeting. The emblem (logo) was selected and appeared for the first time as part of the heading on the January/February 1990 Gaillardia. (That winning design has been the official ONPS official logo ever since, without major alteration.)
3. The Third Annual Meeting of the Society was held November 4-5 at Quartz Mountain State Park. On the agenda: Business meeting with election of officers; 2 field trips; Winners of the 2nd Photo Contest were announced; a vote on a bylaws amendment to provide for organization of local chapters; selection of the ONPS logo; presentation by Louis McGee, "Native Plants of Southwest Oklahoma."
4. The 1989 Wildflower Workshop was held May 12-13 at Northwestern Oklahoma State University in Alva. Field trips were led by Dr. Paul Nighswonger, Dr. Dan Shorter, Dr. Larry Magrath, and Dr. Ron Tyrl. Lecture presenters included Dr. Doyle McCoy, Linda Watson, Joanne Orr, Betty Burns, Dr. Magrath, and Dr. Tyrl.
5. The first of the two educational awards presented by the Society was the Harriet Barclay Botany Award. This award was first presented in 1989 at the Oklahoma Academy of Science Junior Division State Meeting. Funding for the first (and second) Barclay Awards was provided by Jack R. Jones and Dr. Paul Buck. The award was to be presented to a junior or senior high school student who submitted the outstanding botany paper at OJAS; its first presentation was to James Caldwell of McLoud High School. In this first competition, 98 papers were submitted for final judging from over 400 entries presented at twelve regional contests.
6. The Summer 1989 State Board Meeting held on August 16 in Stroud included the following items on the agenda: Plans for the Annual meeting to be held in November; Selection of the nominating committee members for officers for 1990; reports concerning a proposed Wildflower Trail in South Central Oklahoma; and recommendations from the Board's Local Chapters committee regarding organization of local chapters for ONPS.
7. The Report of the Anne Long Awards Chairman noted that the 1988 Long Award had been presented to the Ninnekah High School Science Club (this was the first Long Award to be awarded by ONPS.) Call for 1989 nominations and Nominations Form appeared in the July/ August Gaillardia, with deadline for nominations due by September 1, 1989.
8. LOCAL CHAPTERS
  - A. Proposed amendment to the ONPS Bylaws was presented at the 1989 Annual Meeting in Quartz Mountain State Park, it was Article VIII: CHAPTERS and included procedures for local chapter establishment, Board authorization, chapter requirements, and operational guidelines. The amendment was adopted.
  - B. Notification to the membership at large included two articles on the front page of the November/December Gaillardia. They were titled "Local chapter organization now ON" and "We want to form a chapter! Now what?"
  - C. Organizational meetings were scheduled. Oklahoma City held its meeting on November 27 and selected "Central Chapter" as its designation. Tulsa's organizational meeting was held on December 6, 1989, with "Northeast Chapter" being selected for its name.
  - D. Deadline for written applications was scheduled for December 9 during the State Board's winter meeting. Central and Northeast Chapters thus came into existence on December 9, 1989, when the State Board unanimously approved both applications.
9. Miscellaneous activities of 1989: Oklahoma City's "OKC Beautiful's Penny Drive"; Tips on growing wildflowers in back yards and gardens; John Miller's Photo Notes Rare Plant work began under auspices of Oklahoma Natural Heritage Inventory; OAS Spring Meeting held at Beaver's Bend State Park; Paintbrush Trail proposal; Nature Conservancy began first efforts to obtain land which would become the Tallgrass Prairie Preserve; Butterfly gardening know-how; List of Board Members 1988-1989 on a "Green Sheet" (which would become the standard way to provide this information to the membership); A new ONPS three-fold membership brochure; Lots of field trips by the state organization and local groups to lots of interesting places in Oklahoma (many of which were listed on the Gaillardia's Events Calendar.)

## 2019 Betty Kemm Service Award

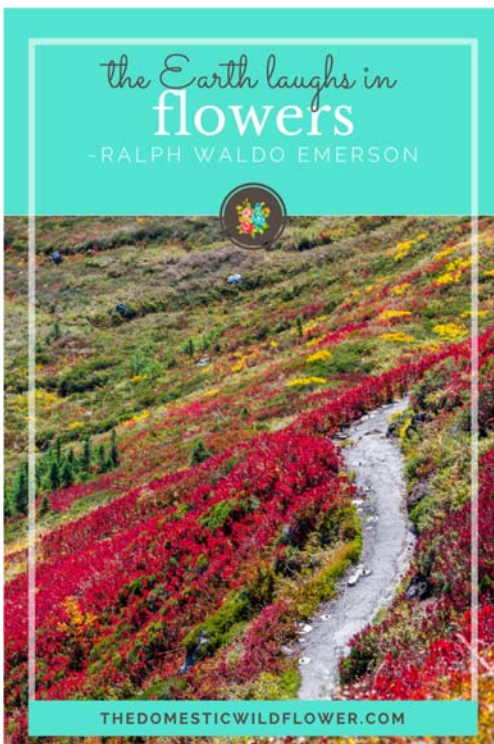
There is still time to submit a nomination for the 2019 Betty Kemm Service Award.

Named for the first state president and founding member of the Society, the Award recognizes members of ONPS who have demonstrated service over and above that normally associated with expected levels of activity. Deadline for receipt of nominations is August 31, 2019. The nomination must include in writing sufficient documentation to support the nominee's qualifications for receiving the Betty Kemm Service Award.

Previous recipients have included Ruth Boyd, Dr. Paul Buck, Betty Kemm, Patricia Folley, Joanne Orr, Chadwick Cox, Tina Julich, Dr. Sheila Strawn, Mary Korthase, Lynn Michael, Gloria Caddell, Dr. Ron Tyrl, Alicia Nelson, Elaine Lynch, Karen Haworth, Paula Shryock, Joe Roberts, Sandy Graue and Sue Amstutz.

Send nominations directly to the Betty Kemm Service Awards Chairman:

Sue Amstutz  
4190 E. 46th Place  
Tulsa OK 74135  
d-s-amstutz@cox.net



## Central Chapter News

Patrick Bell  
*Chair, Central Chapter*

Although the winter has been mild, it has played havoc with Central Chapter meetings. Both our January and February meetings had to be cancelled due to inclement weather. For March, Heather Holm spoke at the OSU-OKC campus on March 2<sup>nd</sup>, at 2pm. Information is included in this issue of The Gaillardia as well as on the ONPS website. The April meeting of the Central Chapter (speaker TBD) will be on Thursday, April 4<sup>th</sup>, 6:30pm, OSU-OKC Horticulture Bldg., rm 196, 400 N. Portland Ave



## NE Chapter News

Lynn Michael  
*Chair, NE Chapter*

The Northeast Chapter was to have its next meeting on March 4, 2019 but ours too was cancelled due to inclement weather. Our next meeting will be May 6th with Cheryl Cheadle of Blue Thumb. This meeting will begin with snacks at 6:30 pm and the presentation begin around 7 pm. We will have lots to discuss as we wrap up planning for the spring Wonders of Wildflowers event that will be this April. Save the date of April 26-28. Our Fabulous Friday's continue every third Friday each month at Panera Bread on 41st street near Yale. Join us for Virtual BioBlitz every weekend in April as we do field trips to see the staggering array of Wildflowers that are "early" bloomers. Our season will begin with an April 6th trip to Lucky Springs. Watch Facebook for details.



***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*.

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Need more details Email: [oknativeplants@yahoo.com](mailto:oknativeplants@yahoo.com)

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\_\_\_\_ Central (OKC area)

\_\_\_\_ Northeast (Tulsa area)

\_\_\_\_ Crosstimbers (Stillwater area)

\_\_\_\_ Mycology (statewide)

You may sign up for multiple chapters if you like, to receive field trip and meeting notices from that chapter.

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