

Lindheimer Quarterly



1st Quarter 2020

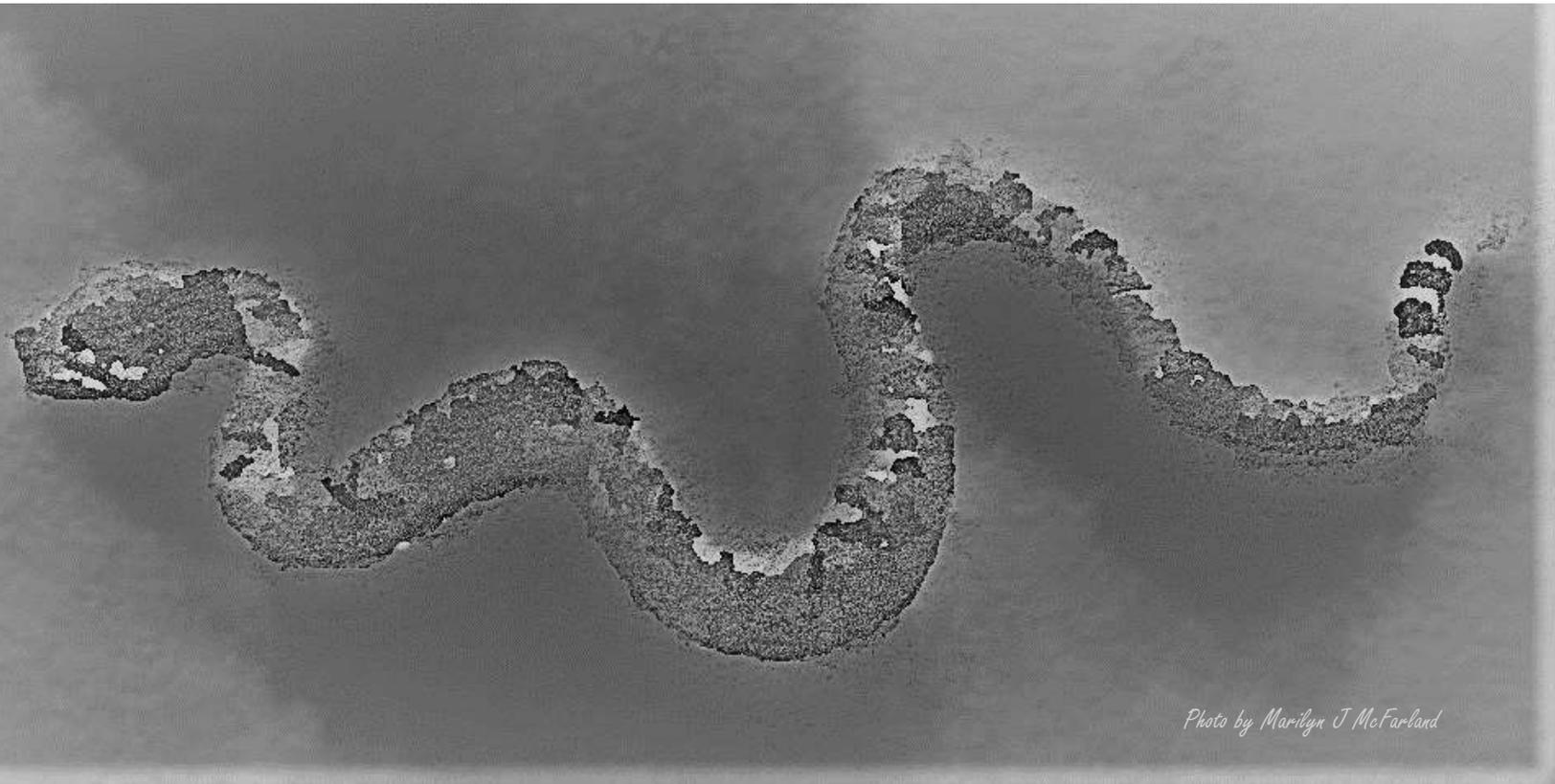


Photo by Marilyn J McFarland

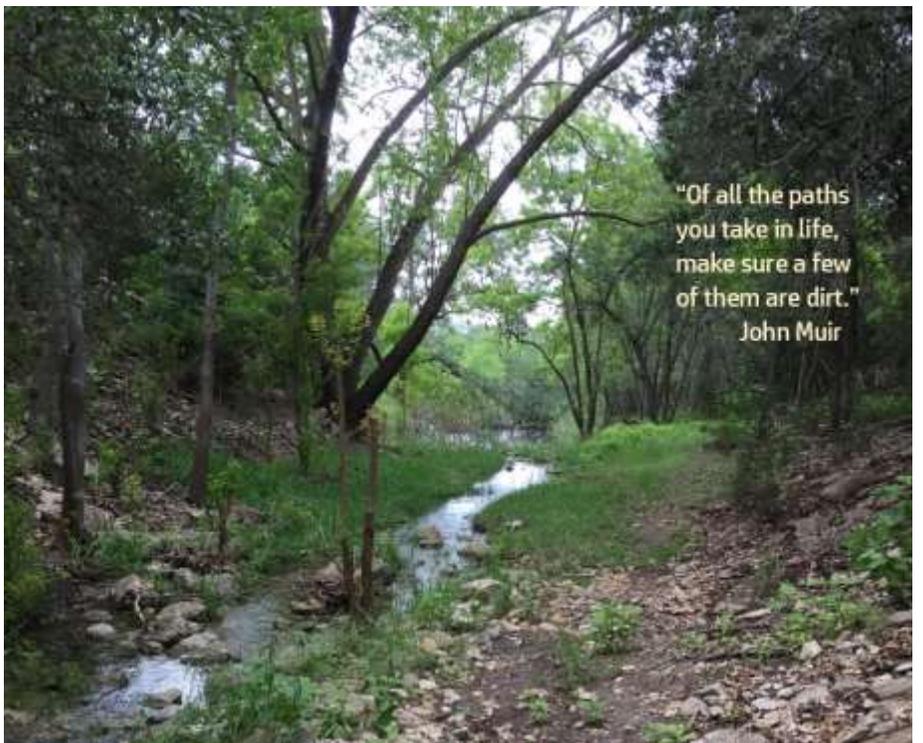
**Lindheimer Chapter
Texas Master Naturalist™
20th Anniversary
20 Years of Service, Outreach and
Education
2000 - 2020**



"The First Monarch of Spring"
LMN Member Judy Bupbacher

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"Of all the paths
you take in life,
make sure a few
of them are dirt."
John Muir





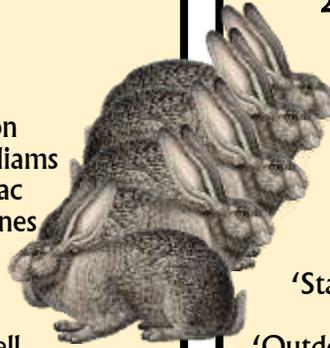
Chapter Information Page



CHAPTER LEADERSHIP

OFFICERS

PRESIDENT	Rich Nielson
VICE PRESIDENT	Arthur Williams
SECRETARY	Rob Kyrouac
TREASURER	Stephen Jones



COMMITTEES

Standing Committees

Education - Joe Finneran, Debra Eanes, Rick Corbell
 Membership & Records – Cheryl Trock
 Outreach – Debbie Kyrouac, Jane Schnell
 Projects & Opportunities - Jeanie Springer

Subcommittees

Trunks – Deb Kyrouac & Jane Schnell
 Program to Assist Landowners – Art Williams
 Community Recognition (VP) – Art Williams
 Hospitality – Recruiting
 New Class – President, Christy Martinez
 Photographer, Steve Dockal

Ad Hoc Committees

20th Anniversary Committee – Art Williams
 Big Give SA – Susan Bogle, Jane Schnell, MJ McFarland



COMMUNICATIONS

Director – MJ McFarland
 Out & About – Sara Riggs
 Publicity - Recruiting
 Webmaster/Social Media/Archivist – MJ McFarland

CHAPTER ADVISORS

Craig Hensley, Texas Parks & Wildlife, Wildlife Tracker
 Troy Luepke, Texas A&M AgriLife, Comal County Agent

The Lindheimer Quarterly Newsletter

MJ McFarland – Editor; Erin Harrison - Staff

Newsletter published quarterly by the Lindheimer Chapter, Texas Master Naturalist™ to communicate, educate & inform chapter members & the Hill Country Community. Current and previous issues of The Quarterly are posted on the website www.txmn.org/lindheimer.



CONTACT

Email: LindheimerMNContact@gmail.com

Website: <https://txmn.org/lindheimer>

Facebook: <https://www.facebook.com/txmn.lindheimer/>

Snail Mail: Lindheimer Chapter
 c/o Comal County AgriLife
 325 Resource Dr.
 New Braunfels, TX 78132



2020 MONTHLY CHAPTER MEETINGS

January 16
 'Dark Skies' - Ranger Holly Platz
February 20
 'Drought Proof Texas' - Pete Van Dyck
March 19 - Cancelled
 'Rangeland Grasses' – Dr. Baron Rector
April 16
 'State of the Chapter' – Rich Nielson (no AT)
May 21
 'Outdoor Safety for Nature Lovers' - MJ McFarland
June 18
 'Geologic Formation Guad Valley' - Joe Finneran
July 16
 'Ferdinand Lindheimer' - Susan James
August 20
 'Formation of the Hill Country' - Jim McCullough
September 17
 'Pollen Trackers' - Dr. Dan Katz
October 15
 Red-tailed Hawks Graduation-No AT
November
 'Hot Birds' -Patsy & Tom Inglet
December 10th or 17th
 Elections & Dinner



2020 Board of Directors Meetings

Every 4th Monday at 5:45 PM
 AgriLife Building
 325 Resource Dr.
 New Braunfels, Texas

- January 27 ● February 24 ● March 23 ● April 27
- May 25 ● June 22 ● July 27 ● August 24
- September 28 ● October 26 ● November 23
- December 28

Board Minutes available at:

<https://txmn.org/lindheimer/chapter-info/lmn-board-members/lmn-board-minutes-archive/>





Lindheimer Chapter 20th Anniversary 20 Years of Service, Outreach and Education 2000 - 2020



Way back when - in 2000 - a group of folks in the Horticultural Committee of Comal County decided that a Texas Master Naturalist (TMN) chapter was needed in the county. The TMN program was just a couple of years old and in the early stages of organization. Marty Gibbs, the Comal County AgriLife Agent in 2000, asked Darlene



September 14, 2001 Lindheimer Chapter Graduates
Front row: Darlene Welge, Doug Dalglish, Eva FitzGerald
Second row: Roy Keenan, Nancy Anderson, Jeannine Keenan, Jerry Collins, Clyda Haney, Mary Wenzel, Charles McKinney, George Cushmanick, Bill Waldron.

Welge to organize the first class because she had been instrumental in starting the Master Gardeners. The first class, the Founders, which began in the fall of 2000, had no curriculum, no manual and no notes. Sandra Moody, a professor at Texas State University and one of the master

naturalists-in-training, helped design the curriculum based on an ecology course she taught. Lecturers were asked to bring handouts of their presentations so the chapter could build a manual. There was a test after each lecture which proved so unpopular, they were dropped! The first class met on Friday afternoons in the county office in New Braunfels - the only class to be held there.

The first project of the Lindheimer chapter was the Guadalupe River Trail for the Army Corps of Engineers, which is still supported today. The Corps of Engineers presented the chapter with their Volunteer Appreciation Award in September 2001.

Founders Class Project Work Crews 2000 - 2001





LINDHEIMER CHAPTER, TEXAS MASTER NATURALIST NEWSLETTER

LINDHEIMER TEXANA

VOLUME 1, ISSUE 1

JULY 2001

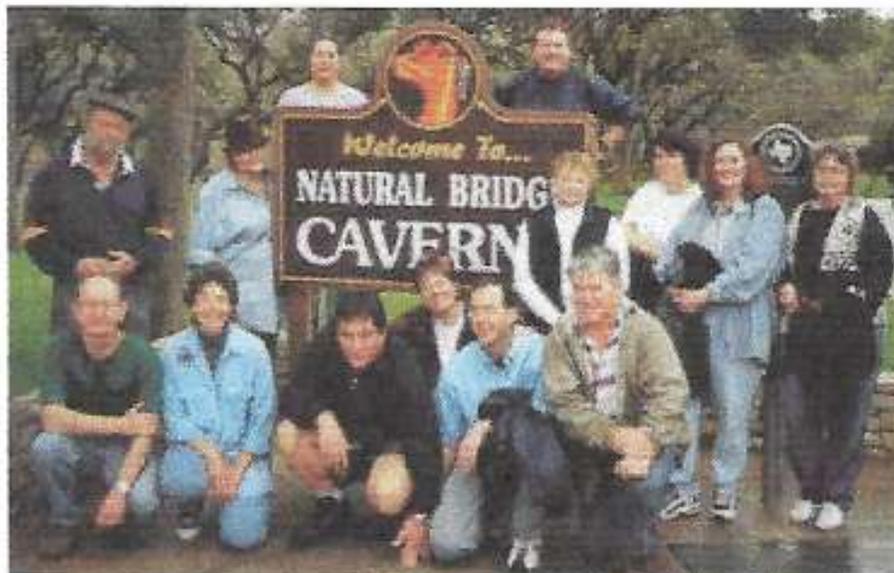
POMP AND CIRCUMSTANCE

Our last class session is graduation day, September 14, 2001! The Graduation Committee for the Lindheimer Chapter of the Texas Master Naturalists have been putting their heads together to make this a special celebration. We plan to meet at the Museum of Texas Handmade Furniture.

As a fantastic ending to the training of the first class, we would like to have ALL the students become Certified Master Naturalists that day, receive their certificate, permanent name badge and 40-hour pin. So keep working on those required hours and be sure to report them!

Also, we will have invitations available for class members to send to family and/or friends you would like to invite on this special day. Please contact Eva Fitzgerald regarding how many invitations you might need for your personal use.

LINDHEIMER TMN CHARTER CLASS MEMBERS



From Left to Right

Kneeling: Charles McKinney, Clyda Hancy, Billy Waldron, Mary Wenzel, Douglas Davidson, George Cushmanick

Standing, Middle Row: Roy Keenan, Jeannine Keenan, Carol Roberts, Marcie Hart, Cindy Birge, Nancy Anderson

Standing, Back Row: Diana Baker, Jerry Collins



LCC MESSAGE

As the first training class comes to a completion, there is much to be done and much to be handed down. The Local Coordinating Committee of the Lindheimer Chapter came together in May of 2000 to plan, organize and conduct the first training class. Our commitment and responsibility for initiating this chapter ends on graduation day. Between now and then the committee needs to hand over the day to day tasks to a Board of Directors and to other newly formed positions.

It is exciting and a special honor to be a Charter Member of an organization, but along with the title comes the awesome responsibility of leading and shaping the organization. Each and ever member is needed to make the Lindheimer Chapter one of the premiere chapters in the state.

The first class has the great privilege to lay the foundation of the chapter and to begin painting the blank canvas that is before you. It will take the efforts of everyone, not just the Board of Directors to keep this chapter going. So now is the time to look inside yourself and ask, "What are the gifts I can bring to the group? What are my passions and interests? What projects would I like the chapter to focus on?"

ELECTION ALERT

Nominations for officers of the Lindheimer Chapter of Texas Master Naturalists will take place during our monthly class meeting on Friday, July 13 at 1:30pm.

Any class member in attendance may make a nomination. The nominees should include those who have shown an outstanding commitment to the program.

The actual election of officers will take place on Thursday, July 18 at 7:00pm during the General Meeting. You must be present to cast your vote so please make every effort to attend.

THE TEXAS STAR

Lindheimera texana or Texas Star is the logo for our Texas Master Naturalist Chapter. We chose this plant as our logo because it carries the name of Ferdinand Lindheimer who is known as the Father of Texas Botany and lived in New Braunfels on the banks of the Comal River. There are also many other plants bearing Lindheimer's name; he did extensive study of the plants growing in this area.

You can find this wildflower growing in open grassy areas in our Hill Country if you have a sharp eye. It blooms from March through May. This little flower is known by other names: Lindheimer Daisy, Texas yellow Star, Star Daisy and is a member of the sunflower family (*Asteraceae*). It grows in clay or calcareous soils and is commonly found on prairies.

This is an upright single stem or multiple branched annual plant and grows six to twenty-four inches tall. It has long alternate leaves 1 1/8 to 3 1/8 inches crowded along the stem on the lower part and opposite leaves on the upper stem. Leaves are bright green and tapered at both ends, toothed in the tip part of the leaf on larger leaves.

The bright yellow flowers have five petals and measure 3/4 to 1 1/8 inches. Each petal has two prominent veins and is indented at the tip. There can be solitary flowers or several flower heads at the tip of a stem.

Eva Fitzgerald

FUN FACTS

The Nitty Gritty about Soil

One earthworm can digest thirty six tons of soil in one year!

Five tons of topsoil spread over an acre is as thick as a dime!

Scientists have identified over 70,000 kinds of soil in the US!

MISSION STATEMENT

To develop a corps of well-educated "Master Volunteers" to provide education, outreach and service dedicated toward the beneficial management of natural resources within their communities.

NOW HEAR THIS

To meet the requirements for graduation, all class members must complete 40 hours of Volunteer Service and 8 hours of Advance Training pre-approved by the Lindheimer Chapter Coordinating Committee. Additionally, they must attend all 12 Class Sessions and at least 4 Field Trips.

Aside from attending the last two class sessions, the following class members have met the criteria for graduation as of June.

Jerry Collins	Billy Waldron
Eva Fitzgerald	Darlene Welge
Charles McKinney	Mary Wenzel

In the event you are unable to complete the requirements by September 14, you still have some time. Those who finish by October 14 will receive their certification upon completion. Otherwise, you must repeat the program with the next class.



DATES TO REMEMBER

- ☞ **July 18 - 7:00PM**
General Meeting, Extension Office
- ☞ **August 10 - 1:30PM**
Class Meeting, Extension Office
- ☞ **August 22 - 7:00PM**
General Meeting, Extension Office
- ☞ **August 24 - 7:15AM**
Last Field Trip of Year, Extension Office
- ☞ **September 14 - 1:30PM**
GRADUATION

20th Anniversary Project

Bird Blind, Butterfly Garden & Wildscape (BBW) at AgriLife Gardens







Wild Edibles - Agarita

By Erin Harrison

I was first introduced to Agarita (*Mahonia trifoliata*) when I very first joined the Master Gardener program here in Comal County five years ago. It was shown to me at Tye Preston Memorial Library. I had never paid any attention to that amazing plant with so many uses until then!

As I write this (March 2020), I see these plants flowering now in my yard and in my neighbor's yard. I know the birds are waiting for the amazing little fruits. But with a little effort, we get to enjoy them also.



Agarita is a rounded shrub with beautiful gray-green, holly-like foliage and clusters of fragrant yellow flowers from February through April. This plant can get up to 6 feet tall, and possibly a little taller with great care. Because the leaves have sharp points, not only does this make great cover for small wildlife, it might actually make a great barrier to keep other unwanted beings off your property as well. If it's not already growing in your yard natively, I know you can buy these plants at the Canyon Lake Ace Hardware Nursery.

Let's talk about its uses as a food. The berries! Pea sized berries will appear in May through June. Snatch them up fast if you want to use them. They will disappear quickly from hungry birds! The berries have a sweet-tart flavor and can be eaten raw directly from the bush. You can dehydrate them for later uses. They can be cooked in any manner you wish. And best of all, you can prepare a wonderful jelly, jam, or even better, a wine from them. The small seeds can be roasted then ground for a caffeine-free coffee substitute. Try all the ways of eating and possibly drinking this little berry. Just wear long sleeves and garden gloves when harvesting or you'll look like you were attacked by the neighborhood feral cat.

The plant also has many medicinal uses. From relieving nausea to anti-bacterial and anti-viral. It also helps with digestion issues and diarrhea. The roots were also used to make a yellow dye for clothing fibers.

I hope you find amazing uses for this multi-functional native plant. Great books to read on this are Wild Edible Plants of Texas by Charles Kane as well as the Idiot's Guide to Foraging from our own Texan, Mark Vorderbruggen. His book has many recipes for wild edible plants. Agarita Photos from LadyBird Johnson Wildflower Center.



Government Canyon SNA

By Nancy Hammack

Mike and I went on a guided trail walk called "Hike the Canyon" at Government Canyon State Natural Area last Saturday. The guided walk is offered every second Saturday of the month, 8:30 a.m. to noon. There were beautiful wildflowers blooming along the rugged rocky trail. We even saw a coral snake at the end of our walk. There is also an "Explore the Canyon" guided walk that is offered on the third Saturday of each month, 8:30 a.m. to noon. We hope to try that trail walk out in the future.

Our volunteer guide had a couple of good tips for us about the trail walk: 1. Bring lots of water for the walk along with a snack. 2. Wear shoes that give good support because of the rocky trail. I wore tennis shoes and they did not give good enough foot protection for the rugged trail. You need hiking shoes! 3. Arrive at the park before 7:30 a.m. so that you can self-pay your entry fee. Once the entry booth is open, the line of cars starts backing up to enter.

Government Canyon State Natural Area was first open to the public in 2005. There are 12,244 acres of protected land that is part of the recharge zone of the Edwards Aquifer. It is a protected natural area so the emphasis is on maintaining and protecting the land.

Here is the website: <https://tpwd.texas.gov/calendar/government-canyon>



Photos by Nancy Hammack: Cat Claw Acacia; Golden Eye Phlox; Horse Crippler Cactus; Outlook; Pink Evening Primrose; Lacy Cactus with buds; and Texas Coral Snake.

2020 Recertifications and Milestone Awards

2020 Recertification Pin - American Bumblebee



	Recertifications	Milestones
December 2019	Heidi Forgione, Peggy Haley, Sara Cogar (double certification), Cynthia DeWitt, Kory Foster, Carmen Horn, Tanya Maroquin, Kristin Martinez, Don Mathews, Karen Matson, Holly McCoy, Marie Miller, Melissa Skasik, Brenda Stoeck, Ron Stoeck, Jack Sullivan (double certification), Jim Teeling, Linda Valdez, Dave Wright	250 Hours Denise Miner-Williams 500 Hours Lynn McLemore
January 2020	Ellen Anderson, Susan Bogle, Lois Ricci, Brian Trock, Art Williams	500 Hours -Ed Finger 4,000 Hours - Brian Trock
February 2020	Rich Bradley, Steve Jones, Darlene Varga	

Chapter Meetings

January 16, 2020



**Interpretive Ranger Holly Platz
Guadalupe River State Park**

Lindheimer Chapter Monthly Chapter Meeting

When: Thursday, January 16, 2020 - 5:45 pm
Where: Tye Preston Memorial Library
 1630 S Access Rd., Canyon Lake, Texas
Who: Holly Platz, TPWD Interpretive Ranger
 Guadalupe River State Park/Honey Creek State Natural Area
What: "Protecting Our Dark Skies"

About our Topic:
 The stars at night are big and bright...but dark, starry skies across Texas and the world are becoming harder to find due to light pollution. Join us for a discussion of the importance of dark skies to both people and wildlife, including migratory birds. You'll find out what Texas State Parks are doing to protect dark skies, and how you can make a difference in your own backyard! (Hint: light pollution is the easiest type of pollution to fix.)
 For more information on TPWD Dark Skies:
https://tpwd.texas.gov/spdest/programs/dark_skies/

Agenda

5:45 Social & Food
 6:00 Speaker
 6:30 Refreshments/Awards
 7:30 Adjourn
 Public Welcome!

About our Speaker:
 Ranger Holly Platz earned her BS in Environmental Science at Oregon State University. During college, she had opportunities to work at various seasonal wildlife and nature positions from Maine to Colorado. She began her TPWD career in Laredo in 2012 at Lake Casa Blanca State Park. After 2 1/2 years in Laredo, she accepted a position in South Llano River State Park. In 2018, she became the Park Interpretive Ranger for GRSP/Honey Creek. Holly is an instructor in archery & angler education, a Project Wild and Growing Up WILD trainer, a Wildland Firefighter, and a certified Interpretive Guide. She is also fluent in Spanish. Holly and her husband Will and their young son, Carl, enjoy spending time outdoors together.

February 20, 2020



T E X A S
Master Naturalist

Lindheimer Chapter
Texas Master Naturalists
20th Anniversary
20 Years of Service, Outreach and Education
for Comal County
2000 - 2020



Texas Master Naturalist
Lindheimer Chapter

Monthly Meeting

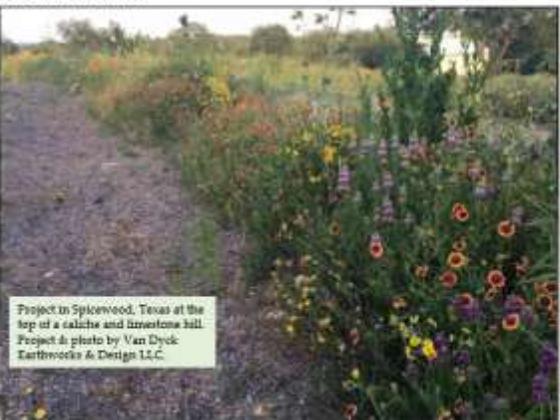
When: Thursday, February 20, 2020 - 5:45 pm

Where: Tye Preston Memorial Library
16311 S Access Rd., Canyon Lake

Who: Pete Van Dyck
Owner, Van Dyck Earthworks & Design LLC
<https://droughtprooftx.com/>

What: "Drought Proof Texas"

Drought Proof Texas Mission: To rehydrate the entire state of Texas, and build the infrastructure to provide us all with an abundant source of clean water and renewable resources.



Project in Sploeswood, Texas at the top of a caliche and limestone hill.
Project photo by Van Dyck Earthworks & Design LLC.



Pete Van Dyck
Van Dyck Earthworks & Design LLC

March 19, 2020



T E X A S
Master Naturalist

Lindheimer Chapter
Texas Master Naturalists
20th Anniversary
20 Years of Service, Outreach and Education
for Comal County
2000 - 2020



Texas Master Naturalist
Lindheimer Chapter

Monthly Meeting

When: Thursday, March 19, 2020 - 5:45 pm

Where: Tye Preston Memorial Library
16311 S Access Rd., Canyon Lake

Who: Barron Rector, PhD

What: "Texas Rangeland: Changes Driving Issues, Then and Now"



Dr. Barron Rector, Extension Range Specialist at Texas A&M University, is with the Texas AgriLife Extension Service in the Department of Ecosystem Science and Management.



His professional experience is biology, chemistry, plant taxonomy, environmental ecology and range animal nutrition. Dr. Rector is recognized nationally and internationally for his plant identification skills, training workshops which include discussing poisonous plant issues, exotic, noxious weed management and plant materials important to agriculture and urban interests in native plants.



The monthly chapter meeting on March 19, 2020 was cancelled. Here's a statement from Michelle Haggarty of the Texas Master Naturalist Program: "The Texas A&M AgriLife Extension Service and the Texas Parks and Wildlife

Department are statewide sponsors of the Texas Master Naturalist Program. As such we must adhere to the policies set forth by both of our sponsoring agencies. Late last night, Texas A&M AgriLife Extension mandated that ALL AgriLife face to face events, programs and meetings be cancelled for the week of March 16-20th, 2020. This includes Texas Master Naturalist face to face events, programs and meetings."

Stay healthy! For the latest on COVID-19, here's a link to the Centers for Disease Control:

<https://www.cdc.gov/coronavirus/2019-ncov/index.html>

Upcoming Events

Will update on our Website, Facebook and Ops & Info emails
Regarding upcoming events as dates get closer.

The Big Give 2020 – Please donate to our Chapter!

How YOU can make a difference!

1.



On March 26th, the *Texas* the **Big Give**. Starting

Please get ready to give are Matching Funds available

Funds raised during the efforts to which our members passionately committed obviously making a real

How You Can Help – Like and ask them to join YOU Just visit <http://www.th> other great participating

online philanthropy called onically.

ust 24 hours! And there

icational outreach
ur Chapter is
ions to come. We are

ie important work we do
er some money our way.
hapter and to any of the

Remember, every dollar counts! \$10, \$25, \$50 or more. Any donation is gratefully appreciated. **Thank you!**



Together we can all make a difference ~ Naturally!



Big Give 2020 Committee
Susan Bogle, Jane Schnell, Marilyn McFarland & Rich Nielson

APRIL 24-27, 2020

City Nature Challenge 2020



WHICH CITY IS THE WILDEST?

Be a part of a global challenge to see which city can document the most wildlife species. Join local events, make observations on your own, or identify species using the iNaturalist app.

For more information and to get involved in Texas, go to tpwd.texas.gov/naturechallenge



THE CITY NATURE CHALLENGE IS ORGANIZED BY



Native Landscape Certification Program Level 1

May 9, 2020

By Judy Brupbacher, Native Landscape Certification Program Coordinator
Lindheimer Chapter Texas Native Plant Society & Lindheimer Chapter Texas Master Naturalist



Spring is here, with all the outdoor work -yardwork, pruning, clearing out those weeds, and new plantings. Looking at our yards before they bloom can be a bit depressing. As the latest wisdom suggests, leaving our straggling plants, weedy stems, dropped leaves, and other debris to help the little critters find food and shelter for the winter is a wonderful idea. But, as good as all that is for the critters, it does make our landscapes look rather unkempt and not very attractive. My thoughts, as probably most of yours, are turning to what, when, where, and how to begin a new round of plantings for a vibrant spring and summer full of greenery and flowers.

Being a Master Naturalist, you have heard about the NLCP (Native Landscape Certification Program) sponsored by the Native Plant Society of Texas. This program has a series of classes pertaining to native plants. The program is designed for specific areas of Texas, so it is a good idea that you take a course in the area in which you live. If you live in Comal County, take a course in Comal County as our plants will not serve you well if you live in West Texas or the Gulf Coast.

Hopefully, you are already “on board” with using native plants and don’t need to be convinced of their importance in the environment. Perhaps you just need your knowledge and skills buffed up a bit. Taking a class in the Certification program is just what you need to get rolling for a Spring of great planting. If you are not yet convinced that natives are the way to go to help our native animals, cut down on water usage, and give ourselves a sense of place, then the Native Landscape Certification Program is an ideal way to find out why using natives is such a big deal.

The Lindheimer Chapter of the Native Plant Society of Texas is planning two classes in 2020. The first is May 9 and the next is Oct. 3 at Tye Preston Memorial Library in Canyon Lake from 8:00-4:00. This Level 1 class is the pre-requisite to Levels 2, 3, and 4. Texas Master Naturalists and Texas Master Gardeners can receive AT training for classes. Cost of the class is \$45 payable at time of registration. Level 1 Introduction to Native Landscapes helps you learn the value of including and preserving natives in the landscape. It discusses difference in conventional and sustainable (native) landscaping. It will familiarize you with the Texas regions and soils and provide you with knowledge of 45 native plants and 5 non-native plants for use or avoidance in landscaping.

If interested, sign up soon as classes fill up quickly. Please contact: Meg Inglis nlcp@npsot.org to enroll. See the flyer next page.



NATIVE LANDSCAPE CERTIFICATION PROGRAM

Level 1

Introduction to Native Landscapes

hosted by the

Native Plant Society of Texas, Lindheimer Chapter

The day-long class will include two classroom sessions and an outdoor plant identification walk.

- Learn the value of including and preserving natives in landscapes
- Discover the differences between conventional and sustainable (with natives) landscaping
- Understand your Texas vegetation region and soils
- Learn 45 native Texas plants for your landscape and 5 plants to avoid
- TX Nursery and Landscape Association (TNLA): 6 CEUs
- TX Master Naturalist or Master Gardeners: 7 hrs. advanced training

Level 1 is a prerequisite for Levels 2 and 3. Levels 2 and 3 may be taken in any order.

When: **Saturday, May 9, 2020– 8:00 am to 4:00 pm**

Where: **Tye Preston Memorial Library
16311 S. Access Rd., Canyon Lake, TX 78133**

Cost: **\$45**
Snacks/drinks provided--bring a lunch

Check out class descriptions, class schedules, or register online at

<http://npsot.org/wp/nlcp>

For more information, or to complete a mail-in registration, contact **Meg Inglis** at

nlcp@npsot.org or 512-589-1316

Or judybrupbacher@hotmail.com

Texas Waters Specialist Curriculum Class

May 13 & May 20, 2020

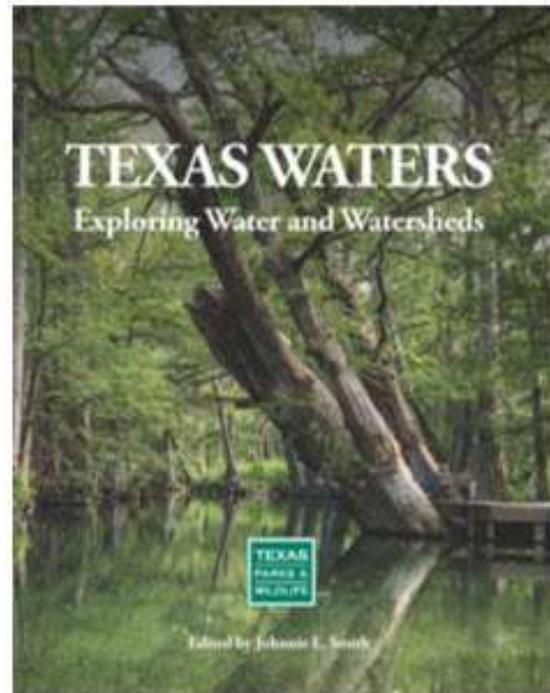


Texas Waters Specialist Certification Classes

- The purpose of the Texas Waters Specialist Certification is to "develop a corps of well-informed volunteer specialists who provide education, outreach & service dedicated to the beneficial management of aquatic resources & aquatic habitats within their communities for the state of Texas."



- There are 2 classes totaling 8 hours of Advanced Training using the Texas Waters Curriculum which will certify you as a Texas Waters Specialist.
- Prerequisite for this class is Certified Texas Master Naturalist™ or Master Naturalist-in-Training. Need to obtain eight hours in order to certify.



Texas Waters Specialist Certification Classes Presented by Lindheimer Chapter

WHEN: **Wednesday, May 13, 2020 2:00 pm - 6:45 pm**

Wednesday, May 20, 2020 2:00 pm - 6:00 pm

WHERE: Tye Preston Memorial Library, Casteel Room
16311 S Access Rd, Canyon Lake, TX 78133

WHO: Marilyn J [McFarland](#)

SIGN-UP: Send an email to LindheimerMNContact@gmail.com stating you'd like to take the class. Deadline to sign up is **April 29, 2020**. Class size is 15. You can pick up your Curriculum will be available at the April chapter meeting, at the first class or to preview, go online:

<https://tpwd.texas.gov/education/water-education/texaswatersprogram>



Electronic Lindheimer

Sign Up Genius Links

AgriLife Extension Gardens: <https://www.signupgenius.com/go/70a0c4fa9aa28abf58-bbwwork1>.

Monthly Meeting Potluck: <https://www.signupgenius.com/go/60b094dacao2ca0f94-lmnchapter>

Social Media

Check us out on the internet, Amazon Smile, Facebook and Pinterest. Place your cursor on the hyperlink, then press your ctrl button and click to follow the link. Designate us as your charity under Amazon Smile.

Internet: <https://txmn.org/lindheimer>

Amazon Smile: <https://smile.amazon.com/> - Designate Lindheimer Chapter

Facebook: <https://facebook.com/txmn.lindheimer>

Pinterest: <https://www.pinterest.com/FerdinandLindheimer/>

Contributing to Citizen Science: iNaturalist.org



“Citizen Science” is the participation of non-scientists in scientific research. As naturalists, many of us already participate in citizen science projects that contribute to the body of scientific knowledge about plants, animals & insects: butterfly surveys, bird counts, plant identification. And we take pictures - LOTS of pictures! Each picture is an observation and represents an opportunity to increase the scientific knowledge of what, where & when. One of the largest citizen science projects is iNaturalist, a world-wide, on-line database of observations provided by citizen scientists like Master Naturalists.

From www.inaturalist.org : “If enough people recorded their observations, it would be like a living record of life on Earth that scientists and land managers could use to monitor changes in biodiversity, and that *anyone* could use to learn more about nature.” Here are the numbers as of 3/14/2020. Take a look at Comal County!!! How to get started? Go to www.inaturalist.org and sign up!

Location	Observations	Species	Observers
World	32,548,350	252,132	872,530
Texas	2,606,039	19,977	55,522
Comal County	19,319	2,579	1,747

Images of Spring

