OUR NEXT CHAPTER MEETING
Thursday April 13th @ 6:30PM
MU Extension Building

Missouri’s Native Freshwater Mussels
Presented by Dr. Amanda Rosenberger

The always-entertaining Dr. Amanda Rosenberger returns to tell us more about her research related to the conservation and management of aquatic biota! Dr. Rosenberger is the Assistant Unit Leader in the Missouri Cooperative Fish and Wildlife Research Unit, and Associate Professor in the School of Natural Resources at MU. Her current research focus is on the conservation assessment of mussel communities, crayfish ecology and life history, and water quality requirements for the reintroduction of nongame fish. She has also studied the distribution and life history response of fishes to harsh Arctic extremes, wildfire, and variability in environmental conditions. She may also bring some shells so we can learn to ID some common mussels! All meeting attendees are eligible for the FREE RAFFLE – this month’s item is two sets of Dragonfly Solar Lights. Wow!

This program is approved for 1 hour of Advanced Training. Members count 1 hour of Advanced Training in addition to 1 hour of service plus travel time. Advanced Training does not require a timesheet code, and does not include travel time. The timesheet code for service/travel time is ADM. The MU Extension Office is located at 1012 North Highway UU (I-70 Exit 121).

Sweets: Jeanie Scott-Pillen  Savories: Mary Waters  Drinks: Bring Your Own Drinks!
Hello Boone’s Lick Chapter Members!

Last September, I attended the “Where the Ozarks Meet the Prairies” advanced training event in Sedalia, hosted by the Hi Lonesome Chapter, and I attended a cool program called “Great Naturalists,” presented by Gwynn Douglas from the Chert Glades Chapter. Gwynn brought in a bunch of fascinating books and other resources about some of the naturalists that have been at the forefront of conservation efforts throughout history, and she provided us with an overview of some of the most influential ones. So I thought it might be nice for me to share what I learned with all of you in my Presidential Ponderings each month. First up: ALDO LEOPOLD.

ALDO LEOPOLD (1887-1948) is often referred to as the “Father of Wildlife Ecology” in the United States. Leopold was born in Iowa and became fascinated by nature as he was growing up – he spent many hours outside observing critters, making sketches and writing about nature. He studied forestry in college, then went to work for the newly established United States Forest Service. He became a supervisor for the Carson National Forest in New Mexico, and played a big role in the proposal to create our country’s first official wilderness area in 1924, the Gila National Forest. Then he moved to Wisconsin and began writing about the philosophy of conservation, publishing his first textbook in wildlife management as the first-ever chair of game management at the University of Wisconsin. Leopold promoted the idea of having a “land ethic,” writing: “When we see land as a community to which we belong, we may begin to use it with love and respect.” This idea of interconnectedness was a new way for people to think about their relationships with the natural world. It was during this time that he and other family members (wife Estella, and kids Starker, Luna, Nina, Carl and Estella) started their own ecological restoration project in an area next to the Wisconsin River, calling their home “The Shack,” and planting tons of pine trees and prairie flowers. And of course he documented every step along the way in an amazing set of essays that were compiled in a classic book called The Sand County Almanac. (You can check out this book at the Columbia Public Library as soon as I return it!) Aldo Leopold’s work lives on via The Aldo Leopold Foundation, founded by his children in 1982. The foundation provides preservation of the original Leopold Shack and surrounding lands, educates community members about good land stewardship, and helps provide mentorship to young leaders in the field of conservation.
Next month, I’ll tell you about **JOHN JAMES AUDUBON**. He was way into birds. Now go outside and enjoy this beautiful spring weather!

**Jill**

Jill Edwards  
Boone’s Lick Chapter President (2017)  
Missouri Master Naturalist Class of 2013

Please [email me](mailto:jill.edwards@gmail.com) with questions, feedback, and ideas for future chapter meeting presentations!  
Please join our group on Facebook: [Missouri Master Naturalist, Boone’s Lick Chapter](https://www.facebook.com/MissouriMasterNaturalistBoonesLick/)

**Sources:** My own notes from the presentation and The Aldo Leopold Foundation website. Photos are of Aldo Leopold and “The Shack”.

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**MEMBER’S CORNER**

To request that this opportunity be approved for advanced training, please complete the [Advanced Training Approval Form](#) on the chapter website and email it to MMNATrain@gmail.com.

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**Boone’s Lick Chapter Officers Present MU Extension with $800 Donation from our 2nd Annual Raffle & Silent Auction**

At our last chapter meeting, we gave a check to Kent Shannon (Chapter Advisor) for the proceeds from our December raffle/auction – **800 bucks**! We appreciate the support we receive from the MU Extension. Every year they have to do more with less money, so our donation will help them continue to be...
able to help the communities they serve with their many science-based educational programs. Hooray for Science!

*Photo: Jill Edwards (Class of 2013), Robbie Scholes (‘13), Linda Karns (‘11), Sonja Berry (‘15) and Kent Shannon (Chapter Advisor)*

**P.S. THANK YOU Chris Egbert (Class of 2009) for creating the hilarious novelty donation check!**

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**VOLUNTEER OPPORTUNITIES**

**SERVICE PIN FOR 2017: THE BUMBLEBEE**

For updated information on volunteer opportunities, please see the online calendar on the chapter website. Please contact the person indicated for more detailed information on any of the projects. To submit a project for consideration for service hours, fill out a Volunteer Opportunity Approval Form, and email it to [MMNVolOpps@gmail.com](mailto:MMNVolOpps@gmail.com) for consideration.

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**Help the City of Columbia with Pollinator Patch Maintenance**

John Mehuys from Columbia Public Works is looking for volunteers to help with a program to reduce mowing on City Right of Ways, specifically locations near East Broadway, South Providence, and near the Parkside mulch site off Creasy Springs Road. They have been doing conversions of these sites to pollinator patches since fall 2015. John needs some volunteer help, preferably during weekdays, to keep these sites free of weedy species. If you are interested in helping, please contact John:

[john.mehuys@como.gov](mailto:john.mehuys@como.gov), 573-864-1009

**Like on Facebook:** COMO Common Ground Gardens

**Opportunity Code for Timesheets:** COC
NOTICE: THIS EVENT IS POSTPONED UNTIL FRIDAY SEPT 8TH!
Help Remove Invasive Bush Honeysuckle at EcoBlitz 2017

The City of Columbia will host approximately 200 Columbia Public School students from 4th to 12th grade. The EcoBlitz is a series of workshops run by various professionals in ecology from local institutions (University of Missouri, Department of Conservation, U.S. Fish and Wildlife Service, etc.). Students will rotate through the different workshops to learn about different aspects of the ecosystem. One workshop will be an invasive bush honeysuckle removal effort on site at Indian Hills Park, Columbia. The invasive species removal workshop requires several adults that are knowledgeable in ecology and invasive species removal to help the students identify plants and learn about the impacts of exotic species. **Special Skills Needed:** Plant identification skills, experience using hand saw, loppers, and be able to withstand various weather conditions. Excellent communication skills and patience. **Equipment / Clothing Needs:** Long pants, boots, t-shirt, hat, insect repellant, water bottle, sunglasses, lunch

Please contact Danielle Fox to sign up to help: Danielle.Fox@como.gov or 573-441-5526

**Opportunity Code for Timesheets:** COC

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**RE-POST: HELP NEEDED for Butterfly Festival in July**

**Introducing the new Butterfly House at MU Jefferson Farm & Garden**

Many different volunteer opportunities are available at the Butterfly Festival this July, as MU’s Jefferson Farm & Garden introduces its new Butterfly House, one of only two native butterfly houses in the state of Missouri! **A couple of volunteers are also needed to serve on the Butterfly House Design Committee.** During the Butterfly Festival, free tours will engage all ages and will highlight the important role that butterflies play in our ecosystem, and how visitors can attract and support butterflies in their home gardens. A variety of fun activities will be offered each weekend for kids to participate in. The event is free but some activities will have a small fee to participate.
Butterfly Festival Dates:
Saturdays 10am-4pm and Sundays 12-4pm

July 1-2 - Festival Kickoff
July 8-9 - Bumblebee Jamboree
July 15-16 - Pollinator Café
July 22-23 - Birds, Bats, & Bugs Bonanza
July 29-30 - Celebrating the Arts

To sign up to help, contact Cinda White at WhiteCS@missouri.edu.
Opportunity Code for Timesheets: MUJF

UPCOMING VOLUNTEER OPPORTUNITIES

- **Wednesday April 12th, 19th, and 26th from 7:30am to 4pm:** Birding Trip with Bill Clark (Columbia Audubon Society, in State Park or Conservation Area, fledgling birders welcome – the best way to learn birds is by birding with an expert! Meet at SW Corner of Parkade Center parking lot, call Bill at 573-474-4510 to RSVP. (Timesheet Code CAS)
- **Saturday April 15th from 8:30am to 12:30pm:** Bonne Femme Spring Monitoring Blitz, meet at Devil’s Icebox trailhead (Timesheet Code DNR)
- **Monday April 17th from 10am to 12pm:** Work Party at Rock Bridge High School Rain Garden, no need to RSVP, see chapter calendar for details, if you have questions email Lea Langdon or call 573-864-7647. (Timesheet Code SOC)
- **Tuesday April 18th from 2pm to 4pm:** Work Party at Rock Bridge Elementary, no need to RSVP, see chapter calendar for details, if you have questions email Lea Langdon or call 573-864-7647. (Timesheet Code SOC)

ADVANCED TRAINING OPPORTUNITIES

For updated information on advanced training opportunities, please see the online Chapter calendar. To submit an opportunity for advanced training consideration, use the form on the chapter website and email it to MMNATrain@gmail.com.

Missouri Natural Areas: 40th Anniversary Tour
For Missouri Master Naturalists ONLY
Led by Mike Leahy, MDC
Reservations Required
Designed as advanced training exclusively for Missouri Master Naturalists, this series of Saturday hikes features some of the state’s most unique natural areas. Join Mike Leahy, Natural Areas Coordinator for the Missouri Department of Conservation, and discover Missouri’s natural features.

Reservations are required for each hike. Please RSVP at least seven days prior to the hike to Mike Leahy at mike.leahy@mdc.mo.gov or 573-522-4115, ext 3192. There is a maximum of 30 participants per hike. Registered participants will be contacted prior to each hike with final details and logistics.

Hikes will be held rain or shine. Please dress accordingly. In the event of severe weather, hikes will be cancelled and participants will be notified. Wear appropriate shoes, and please bring water, food, sunscreen, insect repellant, and anything else you may need. An optional “bring your own picnic lunch” will follow the morning hikes.

TOUR SCHEDULE:

April 15 – Clifty Creek Natural Area, Maries County, 80 miles from Columbia. This scenic 2.5 mile trail passes through a microcosm of Ozark natural communities from glades to stream valleys. See a natural bridge and enjoy spring birding. Meet: 1 p.m. at the parking lot with the trailhead. Information and directions: http://short.mdc.mo.gov/Z3E

May 27 – Ha Ha Tonka Oak Woodland Natural Area, Camden County, 92 miles from Columbia. Hike a 4.75 mile trail through some of the best woodlands and glades in the Ozarks. The glade openings should be very showy with wildflowers and abuzz with insect life. Meet: 9:30 a.m. at the Turkey Pen Hollow Trail trailhead parking lot on Hwy D in Ha Ha Tonka State Park. Information and directions: http://short.mdc.mo.gov/Z3a

June 10 – Osage and Little Osage Prairie Natural Areas, Vernon County, 183 miles from Columbia. Wander across these tallgrass prairies named for the Native Americans who once lived here. The prairies will be alive with wildflowers, birds, and pollinating insects. Meet: 10
a.m. at the Osage Prairie Natural Area parking lot. Information and directions: http://short.mdc.mo.gov/Z3R

**August 26 – Stegall Mountain Natural Area at Peck Ranch Conservation Area**, Carter County, 180 miles from Columbia. Explore one of the most scenic and rugged Ozark natural areas from the geologic wonder of Rocky Falls to the wide-open views atop Stegall Mountain’s glades. Meet: 9 a.m. at the parking lot on the fire tower access road. From the junction of Hwy 19 and Hwy H in Winona, travel east 5 miles on Hwy H to the entrance sign. Turn right (east) on County Rd. 311 (gravel). Travel approximately 3.25 miles. Turn left (north) on the gravel road. This will take you to the tower site. Information and directions: http://short.mdc.mo.gov/Z3D and https://goo.gl/maps/oxsEznW2zDs

**October 14 – Paintbrush Prairie Natural Area**, Pettis County, 80 miles from Columbia. Explore the golden hues of the native prairie grasses and look for the deep purple blooms of downy gentian. We may see northern harriers soaring above. If time allows, a visit to nearby Friendly Prairie Conservation Area may be included. Meet: 10 a.m. at the second parking lot to the east of Highway 65 along Manila Road. Information and directions: http://short.mdc.mo.gov/Z3z

*Advanced training does not require a timesheet code – only volunteer hours require you to enter a timesheet code.*

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**SEE SPRING UNFOLD @ ROCK BRIDGE MEMORIAL STATE PARK**

**Attend the 36th Annual Weekly Spring Wildflower Walks led by Randal Clark.**

*Every Thursday until May 18th from 5:30-7PM.*

*Meet at Devil’s Icebox Parking Lot.*

*Reservations are NOT required.*

*Sponsored by Missouri State Parks  Photo: Jack-in-the-Pulpit*

*Advanced training does not require a timesheet code – only volunteer hours require you to enter a timesheet code.*
Hike to Hidden Treasures
Rock Bridge Memorial State Park
First Saturday of Each Month
1:30pm to 3:30pm
Free!
Call 573-449-7400 to RSVP

Get to know Rock Bridge Memorial State Park better by participating in hikes that will guide you to hidden treasures of the park, share information about history and nature and provide a service project opportunity (optional) of about 20 min. Included will be special natural features and photos and information from the park's historical research about what life was like back then and about how the park was founded. A small amount of the route will involve walking off-trail.

Hikes are free but reservations are required because space is limited. When you call (573-449-7400), you will be given driving directions. Reservations can be made starting one month in advance. Recommended for ages 8 years and up. Children must be accompanied by a responsible adult. Prefer no dogs.

First Saturday of each month. Come to one or all. Time: 1:30 to 3:30 p.m.
- **May:** Shooting Star, Jacobs’ 1891 Diary, Wildflowers, Bluff-top View
- **June:** Grassland Gilbert, Barns, Farm Prairie Flowers, Largest Tree
- **July:** Picnic Area Hickam Cabin Little Bonne Femme Creek Wading
- **August:** High Ridge Wind Mill, Farm Clear Creek Wading, Ridge View
- **September:** Karst Barn, Shed, Farm Neat Sinkholes, Prairie
- **October:** Gans Creek Saunders Cabin Ruins Fall Color, Bluff-top View
- **November:** Devil’s Icebox, Rockbridge Mills Glacial Relic “Red Rocks”
- **December:** Special Use Area, Saunders Coyote Bluff, Bluff-top views

Advanced training does not require a timesheet code – only volunteer hours require you to enter a timesheet code.
The University of Missouri sponsors “Saturday Morning Science” talks from **10:30AM to 11:30AM** in the Monsanto Auditorium of the Bond Life Sciences Center on the MU Campus (1201 Rollins Street, at corner of Rollins Street and College Avenue). The topics listed below have been approved for 1 hour of Advanced Training. For more information and directions, please click [here](#).

Like on Facebook: Saturday Morning Science

**NOTE:** Other talks are listed on the website, but only the talks below have been approved for AT.

**SATURDAY APRIL 29TH:** *The Eclipse of a Generation: Don’t Get Left Out of the Dark*

Presented by Dr. Angela Speck, Professor of Astrophysics, University of Missouri

On August 21 this year there will be a total solar eclipse visible from a large swath of the U.S., and Columbia will have a front row seat. This is the first total solar eclipse to be seen from Missouri since 1869; the first over CoMo since 1442! Dr. Angela Speck, professor of astrophysics and director of astronomy at MU, will explain why solar eclipses happen and how to observe them safely.

*Advanced training does not require a timesheet code – only volunteer hours require you to enter a timesheet code.*

**RE-POST:** SIGN UP FOR AN INTRODUCTORY VOLUNTEER WATER QUALITY MONITORING WORKSHOP (various dates and locations):

The Stream Team Volunteer Water Quality Monitoring (VWQM) Program is a cooperative effort between the Missouri Departments of Natural Resources and Conservation and the Conservation Federation of Missouri to involve citizens in water quality monitoring. These one-day workshops are free and consist of six hours of classroom instruction and one to two hours on a stream to demonstrate sampling methods, get wet, and learn about aquatic life. If you have already taken the Introductory VWQM Workshop in the past but would like to refresh yourself on water quality monitoring procedures, please feel free to register and attend.

*A workshop will be held in Columbia on Saturday April 29th from 8:30am to 5pm.* To register, complete the [online registration form](#) on the Stream Team website. Classes fill up FAST and are limited to 30 people. Please bring your own lunch. Registration deadline is April 12th. For more information you can contact the Stream Team at StreamTeam@mdc.mo.gov or call 573-522-4115 ext. 3892.

*Advanced training does not require a timesheet code – only volunteer hours require you to enter a timesheet code.*

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**NOTEWORTHY**

*See an interesting video or article online? Please share your link via email to mmndragonflyer@gmail.com*

**Having a Bad Day? Not After Watching This Dog at a Swimming Lesson**
The 2017 Total Solar Eclipse will be Livestreamed by NASA from 100,000 Feet

Video: BBC Crew Makes Dramatic Escape as Mount Etna Volcano Erupts in March

Boy Finds Huge 7.44 Carat Diamond in Arkansas State Park

Video: Guy Saves Drowning Baby Prairie Dog

MU Raptor Rehabilitation Project Releases Wild Bald Eagle in Cole County

Video: Japan Has Got to Be the Most Beautiful Flowering Place on Earth Right Now

This Eco Food Wrap is Perfect for People Who Love the Environment

A Rabbit Hole in an English Farmer’s Field Led a Photographer to “Black Magic” Mystery Caves

Video: Harsh Weather Conditions Completely Encase New York House in Ice

How a New Zealand Insect Hunter Created Daylight Savings Time

Check out Audubon’s Online Guide to North American Birds

Video: Landslide at Ethiopian Trash Dump Kills 113

10 Haunting Pictures of Wild Animals at Night

Video: Colossal 3000-Year-Old Statue Unearthed from Cairo Pit

Keep Having a Good Day: Watch This Mama Possum Hauling Around All Her Babies

NEXT CHAPTER MEETING

Upcoming Monthly Meeting
Thursday May 11th @ 6:30PM
MU Extension Building

Look for more information about our May program in the May Dragonflyer!
SOMETHING TO THINK ABOUT

Harmony with land is like harmony with a friend; you cannot cherish his right hand and chop off his left. That is to say, you cannot love game and hate predators; you cannot conserve the waters and waste the ranges; you cannot build the forest and mine the farm. The land is one organism.

Aldo Leopold

Missouri Master Naturalists
Boone’s Lick Chapter
2017 Officers

Please Join Us on Facebook: Missouri Master Naturalist, Boone’s Lick Chapter

President Jill Edwards (Class of 2013) MMNblpresident@gmail.com
Advanced Training Committee Linda Karns (Class of 2011) MMNATrain@gmail.com
Vice President Robbie Scholes (Class of 2013) MMNVicePres@gmail.com
Communications Committee Jill Edwards (Class of 2013) MMNDragonflyer@gmail.com
To promote awareness and citizen stewardship of natural resources through science-based education and community service.