

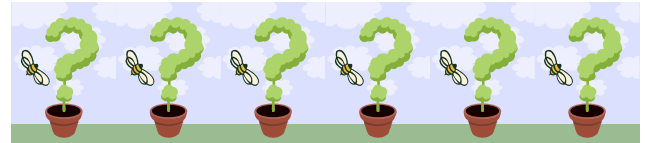


OCTOBER MEETING

The October meeting of the Boone's Lick Chapter will be a field trip to the Prairie Garden Trust on **Sunday, October 14, 2007**, from 1:00 until 4:00 PM. You can visit the PGT website at: [www.prairiegardentrust.org](http://www.prairiegardentrust.org) for a glimpse of this exceptional area. We will be collecting seeds to be used in the restoration of a new area which will be planted at PGT in the coming year. Anyone not interested in seed collection is invited to enjoy the surroundings, observe the extensive variety of native plants, watch birds and butterflies, and enjoy a beautiful early Fall day.

Dress appropriately; bring your own garden gloves and clippers if you like. Paper sacks and disinfectant for your clippers will be provided. Chris Newbold has volunteered to help with seed identification. Snacks and drinks will be provided at the conclusion of the meeting. Car pooling will be available for those interested; we will meet at the Patricia's Grocery Store located on Keene Street at 12:00 with departure no later than 12:15 (travel time is about 45 minutes).

Driving directions to PGT from Columbia: Take Highway 70 east to Hwy 54 at Kingdom City. Take Hwy. 54 seven miles south of Fulton to BB, turn east (left) on BB and go 1.9 miles to and turn to the right onto that gravel road (county rd. 430). Follow it as it curves to the right at .4 miles, then continue uphill past a trailer on your right and take the first left at county road 431 and follow it to the house/PGT at the end of that road.



PRESIDENTIAL PONDERINGS

*Suzanne Wright*

THE "TO DO" LIST

1. Halt Global Warming
2. Support Sustainable Forests
3. Save Grasslands
4. Conserve Wetlands
5. Stop Invasive Species

What can one person do?

Every time I read my Audubon Magazine, I get a little depressed. In the July/August issue there was an article about the decline of some of the most common bird species. The list of ten included the Eastern Meadowlark, North Bobwhite Quail and the Grasshopper sparrow. Some, like the Eastern Meadowlark's numbers have fallen by 70% in some areas of the country in the last forty years. In simplified terms the data proves that just because you see a lot of something that doesn't mean there isn't a lot less of it than there was before.

With that in mind it's good to remember that nature has an amazing ability to recover if given a chance and if people work together to affect change. Not long ago the bald eagle was endangered. Now nesting pairs have returned to Missouri and increase in numbers every year. Recently while kayaking with my daughter at Little Dixie, we spotted a mature eagle overhead; impressive in size even at a distance. It's a sight we wouldn't have seen a few years ago.

As one person, it can be frustrating to feel you can't stop the glaciers from melting or halt the clear cutting of the rain forest, not this week... or next. But taken as a group, I believe it is the individual "thinking globally and acting locally" that can stop the glaciers from melting and halt the clear cutting of the rain forest.

Locally as a MMN, you can plant a few natives, wreak havoc on a patch of bush honeysuckle, help conserve or create habitat, assist in the clean up a section of stream bank, and educate people about which water shed they live in and the effects of impervious surfaces on their neighborhood stream. Maybe these are little things but we shouldn't forget the ocean is made of drops of water.

***"The supreme reality of our time is the vulnerability of our planet." - John F. Kennedy***



## MEETING MINUTES

### **Boone's Lick Chapter Missouri Master Naturalist Meeting September 13, 2007**

Attendees: JuJuan Lauer, David Silvey, Vanessa Melton, Phil Knocke, Sally Swanson, Steffanie Abel, Mary Jane Wheeling, Troy Gordon, Janine Gordon, Jane Fore, Don Day, Sharon Reed, Susan Hazelwood, Rachel Pia, Pam Close, Celeste Mazzacano, Cheryl Hardy, Buffie Balling, Betty Miller, and a guest. The meeting was also attended by Syd Hime and Jeff Koppelman.

This month's speaker was Randal Clark, who gave his presentation on the geological history of Missouri, going back three billion years. Randal had a fantastic slide show to accompany his fascinating narrative describing the changes on our little piece of the planet.

His slides actually showed the location of what would become Missouri during the time of shifting continents. At first, our landscape looked much like Yellowstone Park. The southeast part of Missouri contains rocks from the oldest periods, known as the Pre-Cambrian and Cambrian eras. During the next era, the Ordovician, there was a large extinction event where over 60% of the existing life forms were wiped out.

There were many successive periods of history, of which I will only name a few. The first forests that evolve are of giant ferns and horsetails. Many of our local rocks are from more recent eras, like the Mississippian, where the Burlington limestone formation was created by the buildup of dead sea creatures while Missouri was a shallow sea. As time passed, rainforests formed on dry land, and amphibians evolved. After the continent of Pangea formed, our part of the continent became desert and reptiles evolved. About 250 million years ago the largest extinction occurred, where about 90% of plant and animal life disappeared. Dinosaurs evolved to fill the void, and giant redwoods and sequoias appeared. Small mammals appear, and the continent of Pangea splits from north to south to form the Atlantic Ocean. Uprisings form, which are now known as the Ozarks.

During the Cretaceous Period, the Missouri bootheel was under water. Dinosaurs and pteradactyls are still thriving until a meteor hit the Yucatan peninsula and changed the face of the planet. All dinosaurs perished. The small mammals start filling the void left by the extinct species. The first maples, oaks and hickories appear, followed by grasses and then grass eating mammals. During the Miocene era, the landscape in Missouri looked much like the Serengeti in Africa. Humans evolved in Africa during the Pliocene era. Glaciers come and go during the Pleistocene epoch, but only as far south as northern Missouri. A spruce, pine and aspen forest was present in Missouri when the mammoths, mastodons, ground sloths and sabertooth tigers existed. Humans show up in Missouri around 10,000 years ago, when the climate started returning to what it is now.

Wow it felt like we were in a time machine set on fast forward! Thanks for a great presentation, Randal!

After the presentation, a meeting was held where the following was discussed:

- Please log your hours. There will be a new system coming on line later this year.
- It was approved that the Boone's Lick Master Naturalist group will Adopt-A-Spot at Grindstone Parkway and AC.
- We received a letter of appreciation for our participation in the Stream Extravaganza on September 6, 2007. Thanks to those who manned the booth!
- Hello – to Logan Jules Allen ☺ – son of Rebecca and Seth Allen! Born August 19, 2007, and weighing in at 8 pounds and 2 ounces! Congratulations!
- Goodbye – to Celeste Mazzacano ☹ We will miss you Celeste! Enjoy Portland, Oregon! (A gift will be waiting for Celeste when she arrives, an autographed copy of Bob Pyle's *Butterflies of Cascadia*. We also sent her off with a copy of *The Life Cycles of Butterflies, from Egg to Maturity* by Burris & Richards).
- A note with our condolences was sent to a member whose mother passed away.
- Chapter elections will be held in December. Please let us know if you are interested in putting your name on the nomination list. Also, the December meeting is a pot luck dinner. We need photos for the slide show of MMN activities!
- Endangered Species Walk/Run – October 13 – We will have a booth at this event. Need volunteers! Also voted to purchase more owl pellets for kids to dissect.
- Please check the latest information on volunteer activities on-line. October's Program

will be at the Prairie Garden Trust on Sunday, the 14<sup>th</sup>, from 1-4pm.

- Rachel Pia is our new Communications/Newsletter Editor – please submit Dragonflyer articles/info to her by the second Monday after the regular Chapter meeting – [rachel.pia@gmail.com](mailto:rachel.pia@gmail.com)

- Thanks to those who brought the drinks, munchies and sweets this evening – Sally Swanson, Susan Hazelwood and Buffie Balling. Also, thanks to Suzanne who baked an awesome Hummingbird Cake for Celeste's last meeting with us. OCTOBER REFRESHMENTS – Vanessa Melton– dessert, non-dessert – we need a volunteer!, Sally – drinks, again.

*Submitted by Buffie Balling*

WEB RESOURCES FOR MASTER NATURALISTS...
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The Biological Conservation Newsletter comes out of the Smithsonian Institution in Washington, DC, and is available on line. <http://ravenel.si.edu/bcn>

Examples of resources the BCN cites follow from the issue cited below. <http://ravenel.si.edu/bcn/issue/265.cfm>

The USDA Forest Service Website, ***Celebrating Wildflowers*** <<http://www.fs.fed.us/wildflowers/>>, starts off with a list of seven reasons why visitors should be intrigued by the world of wildflowers. They include aesthetic, biological, and economic reasons, and after taking a look at the list, members of the web-browsing public will most likely find themselves considering the entire site for their own purposes. First-time visitors should start by consulting the regional map of the United States that will let them move around through the different wildflower recreation areas that are under the stewardship of the Forest Service. After learning about the different areas, visitors may

want to look over the wildflower news updates and learn about the various creatures that help in the pollinating process. Additionally, the "Special Features" section includes information on the "Plant of the Week" and it also contains a number of images that visitors can download to use on their computer as backgrounds.

*-from the Scout Report*  
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<<http://scout.cs.wisc.edu>>



Representing the expertise of over 600 herpetologists, the **Global Amphibian Assessment** (GAA)

<<http://www.globalamphibians.org/index.html>> is the first-ever comprehensive assessment of the conservation status of the world's 5,918 known species of frogs, toads, salamanders, and caecilians. This Website "presents results of the assessments, including IUCN Red List threat category, range map, ecology information, and other data for every amphibian species." The GAA database is searchable by name, taxonomy, status, habitat, country, and more. The site also contains information about GAA partners, methods, data types, and key findings.

*-from the Scout Report*

## Fall Migration

*Submitted by Suzanne Wright*

Not long ago, I watched a bunch of kids fall under the spell of hummingbirds. One of those kids was my grandson in the company of my grown son, Sam. Janine & Troy Gordon were banding humming birds and then letting the kids release them. Sometimes they would hold them in their flattened palm but several elected to have them placed on their heads. Each patiently waited for their turn, over and over and over again. It was a magical thing to watch. Sam described the scene as a tornado of hummingbirds. The description was accurate.

To watch these smallest of birds, and to know the distances of their migrations, is to believe that anything is possible.

## UPCOMING EVENTS

### 9<sup>th</sup> Annual Endangered Species Walk/Run on October 13<sup>th</sup>.

This will take place on Saturday, Oct. 13, 2007 at 8:45 a.m. in Jefferson City, Missouri. All proceeds from race registration are used for protection and habitat restoration of endangered animals and plants in Missouri.

Registration is \$15 for those 14 or younger; \$22 for participants 15 or older; \$25 for all entry forms postmarked after Oct. 1. Reduced fees are available for youth teams, as well. Registration fees include a beautiful long-sleeved t-shirt with original artwork of Missouri endangered species by Missouri Department of Conservation artist Mark Raithel. All the details are available at [http://www.mdc.mo.gov/programs/es\\_walkrun/](http://www.mdc.mo.gov/programs/es_walkrun/) or call 573-522-4115 ext. 3150.

This year the featured species will be of the bottomland forest and swamps. These are the best-designed long sleeved t-shirts that you will receive from any walk/run event. Please contact Suzanne if you would like to help with the MMN booth.

### 5<sup>th</sup> Annual Missouri Chestnut Roast, October 13<sup>th</sup>.

The University of Missouri Center for Agroforestry presents the 5th Annual Missouri Chestnut Roast October 13th from 10:00am until 4:00pm, at the Horticulture and Agroforestry Research Center (HARC) in New Franklin. Driving directions to HARC from Columbia: Go west on Interstate 70 to the

Fayette / Highway 40 exit, exit right onto Hwy. 40. Stay on Hwy. 40 until you see the New Franklin / Hwy. 5 turnoff to the right, take Hwy 5 into New Franklin about 1 mile to the 4 way stop. Turn left onto Broadway. Go about 1/2 mile, look for the New Franklin High School on the right and a car wash on the left. Turn left in front of the car wash and continue driving on Broadway about 1/2 mile until you see the "MU HARC" sign. Turn into entrance and continue on a gravel road to the right and watch for signs for the Chestnut Roast parking. For more information you can visit their website: [www.centerforagroforestr.org](http://www.centerforagroforestr.org)

### **Hart Creek CA Open House, October 14<sup>th</sup>.**

An Open House is being held by Cory Gregg, the MDC Resource Forester Asst. of Columbia, at the Hart Creek C.A. It will be October 14<sup>th</sup>, from 8:00 to 11:00am. This is an excellent opportunity to learn more about Missouri's Native trees from an MDC Forester. The event will take place during the Hartsburg Pumpkin festival and will include a three mile round trip walk to a scenic overlook on the Missouri River. Refreshments will be waiting at the overlook for those who make the trip.

Directions: Take the Jamerson Creek Road north 0.7 miles from Hartsburg. For more information you can contact: Cory Gregg, Resource Forester Asst. Missouri Department of Conservation [cory.gregg@mdc.mo.gov](mailto:cory.gregg@mdc.mo.gov) or 573- 882-8388 x276

### **Orienteering Meet and EcoHike**

What: Orienteering Meet and EcoHike  
When: Sunday, October 14, 2007,  
9am – 2 pm  
Where: Rock Bridge Memorial State Park  
Who: Public of all ages  
Why: Learn about the sport of orienteering and explore the natural history of the state park

The 5<sup>th</sup> Annual Orienteering Meet and EcoHike will be held at Rock Bridge Memorial State Park on October 14, from 9am – 2 pm. Explore the varied terrain of Rock Bridge State

Park with other orienteering enthusiasts of all ages and skill levels. Everyone from young children to experienced navigators will find a course to match their abilities. Take your kids on an EcoHike, a beginning orienteering course, where they can learn the basics of the sport, or go off-trail with intermediate orienteering courses. For those seeking a real challenge, a red-level course will be vetted through the Gans Wild Area of the park. Participants from across the Midwest will put their skills to the test on this expert level course. There is a fee for the orienteering courses (\$8 individual, \$12 team early registration before Sept, 29; \$10 and \$15 after Sept. 29). The EcoHike, the trail for beginners, is free.

For more information call 573.815.9255 or visit <http://rockbridge.missouri.org>. Cosponsors for this event are the Friends of Rock Bridge Memorial State Park, The Department of Natural Resources, Rock Bridge Memorial State Park, and The Columbia Track Club. To volunteer for this event, please contact Meredith Donaldson.

### **Greenbelt Land Trust Work Day, October 20**

When: Oct 20 & Nov 2, 10am – 12pm  
Where: Hinkson Nature Preserve at Rock Quarry Rd.  
Bring: Gloves, loppers, clippers, small bow saw if you have one.  
Activity: Cut or pull bush honeysuckle; treat stumps with herbicide.  
Questions: Fred Young, 443-2154 or [fred\\_young\\_3@yahoo.com](mailto:fred_young_3@yahoo.com)  
Details: Park at Capen Park or along Rock Quarry Rd. (be careful!). Targeted area is the edge of the bottomland forest. If you walk the trail from Capen Park, turn left after you pass under RQ Rd.

We're trying to turn these areas into showcases of ecological restoration, to encourage future land and easement donations. We welcome your help and company at any or all of these dates.

## MEET A MASTER NATURALIST

### Meet...Phil Knocke, class of 2006

#### *What brought you to Columbia?*

We (my wife Melanie, our 5-year old son, Charlie, and I) left Southern California in 2004, looking for a better, less hectic lifestyle, and a better environment for our son to grow up in. I am semi-retired, after 15 years working as an aerospace engineer for NASA's Jet Propulsion Laboratory. My wife is the author of several astronomy books for the general public. We lived 2 years in Branson, but decided to move to Columbia in part because of its reputation as a lively, interesting city with plenty of family-oriented activities. (Melanie also remembers it for a great juggling festival she attended some time ago.) It is also closer to Melanie's parents, who live near Kansas City.

#### *Reason you became a Master Naturalist?*

I have always been interested in the natural world, and find the rich diversity of life on Earth, and the subtle complexity of its inter-relationships nothing short of astounding. The steady deterioration of our natural environment is a matter of great concern to me and my wife. (If I have anything to say about it, my son will be concerned about it, too!) When I heard that a new Master Naturalist chapter was starting in Springfield, I viewed it as an opportunity to better understand ecology in general, and my local environment in particular, and hopefully get involved in activities which would, ultimately, help preserve the natural world.

#### *Most amazing, bizarre, disgusting, odd or awe-inspiring thing you have seen or experienced in the course of Master Naturalist activities?*

My favorite moment was during my capstone project. I was in the Mincy-Drury Conservation Area, surrounded by a perfectly quiet, untrammelled meadow, filled with native flowers and grasses. I tried to appreciate how rare such a moment is, these days.

#### *Favorite service project so far?*

My favorite MN service project was my capstone, involving water quality analysis of two creeks in the Mincy-Drury Conservation Area (near Branson) over the course of several months. I found the chemical analysis interesting, but occasionally frustrating! Collecting and identifying invertebrates to measure water quality was particularly fascinating. I hope the data I collected will be of some use as a baseline for future analyses of these streams.

#### *Favorite Missouri Native?*

Well, my favorite Missouri Native tree is the Dogwood, with its beautiful, early Spring blooms. My favorite Missouri Native crustacean is the White River (aka Table Rock Lake) Long-pincer crayfish, undoubtedly the tastiest crayfish I have ever eaten. My favorite Missouri Native person is my wife, Melanie. (My least favorite Missouri Native is the tick, for reasons too numerous to list.)

#### *One thing that people who know you would never guess about you?*

While I was at JPL I worked on the Spirit and Opportunity missions (the Mars rovers that are still chugging along.) I also like Chip Carving, a form of carving I learned from an artisan at Silver Dollar City.

#### *Is there something you would like all of us know about you?*

My wife and I both enjoy juggling. (In fact, it is how we met.) I look forward to getting to know the Boone's Lick members better as we start working together.

## OCTOBER ADVANCED TRAINING OPPORTUNITIES

**Birding Classes with Bill Clark.** These classes are held at the Osher Lifelong Learning Center.

#### 1. Beginning Birding

This class is Sept. 20 and 27, October 4, 11, 18 and 25 and Nov. 1 and 8. The class is from

9:30am until 11:30 am. Students may join the class at any time. (Class fee will not be pro-rated.)

## 2. Intermediate Birding.

This class is Sept. 18 and 25, and October 2, 9, 16, and 23. The class is from 9:30am to 11:30am: Students may join the class at any time. (Class fee will not be pro-rated.)

To register for these courses call 573-882-4349.

NB: This year, for the first time, membership is required for participation in classes at the Osher Center. Membership for the Fall semester is \$25.00, for the year it is \$55. This is in addition to any class fees.

## OCTOBER VOLUNTEER OPPORTUNITIES

Below are the volunteer opportunities for October and ongoing projects, as well as announcements of other events. Additional information on each project is at: <http://extension.missouri.edu/masternaturalist/columbia/VolunteerOpportunities/October%20Volunteer%20Opportunities.pdf>. Please contact the person indicated for more detailed information on any of the projects. Note that if a project is listed as "not yet approved," you will need to fill out a Service Project Form (available at <http://extension.missouri.edu/masternaturalist/columbia/Projectapproval.htm>). You will be notified via e-mail of the project's approval or if there are any questions. Once approval is granted for any person, it is approved for everyone, so it is only necessary to submit one form per project.

**CACHE Birding Trips: Thursday, October 4<sup>th</sup>; Wednesday, October 10<sup>th</sup>; Wednesday, October 17<sup>th</sup>; Wednesday, October 24<sup>th</sup>; and Wednesday, October 31<sup>st</sup>**

*Sponsored by The Columbia Audubon Society, Missouri Department of Conservation, and The Audubon Society of Missouri.*

These are birding trips with Bill Clark. Meet at 7:30 am (don't be late) at the southwest corner of the Parkade Center parking lot. The destination will be decided the day of the trip. Contact Vanessa Melton at 573-864-3905 or [vanndawn@hotmail.com](mailto:vanndawn@hotmail.com). Project is approved.

### **Jefferson City Endangered Species Walk: Saturday, October 13<sup>th</sup>**

Help staff the Boone's Lick Chapter Missouri Master Naturalist table or work at the Friends of Big Muddy booth with information about the Big Muddy. Contact Suzanne Wright for the Master Naturalist table at [Suzwright@centurytel.net](mailto:Suzwright@centurytel.net), or Troy Gordon for the Friends of Big Muddy table at [friends@friendsofbigmuddy.org](mailto:friends@friendsofbigmuddy.org) or 573-424-9051. Project is approved.

### **Hinkson Clean Sweep 2007: Saturday, October 13<sup>th</sup>, 10 a.m. to noon**

*Sponsored by Hinkson Watershed Restoration Project*

To participate, register by sending an email to [mona.menezes@gocolumbiamo.com](mailto:mona.menezes@gocolumbiamo.com) or call 874-7616 and leave a message with your name and phone #, and the site you will clean. If you want to participate as a group, include the approximate # in your group. You may also register at: <http://www.gocolumbiamo.com/PublicWorks/StormWater/>. Contact Scott Hamilton at [Scott.Hamilton@mdc.mo.gov](mailto:Scott.Hamilton@mdc.mo.gov) or 573-882-9909 ext 3257. Project is approved.

### **EcoHike, Sunday, October 14, 9am-4pm**

Friends of Rockbridge State Park is seeking volunteers to help with the EcoHike nature stations. Rock Bridge Memorial State Park, Devil's Icebox Parking Lot.

Need volunteers for EcoHike - a free event for beginners especially children. We need volunteers in three hour shifts to staff nature

stations along Sinkhole Trail. Examples of stations:

Station 1. Map reading station: Help participants find North on a map and North on a compass, and identify symbols on a map.  
Station 2. Explain food web using a peg board with pieces representing plants and animals.  
Station 3. Point out rut in rock worn by wagon traffic to Missouri River boats in early 1800s. Point out evidence of history of park (pictures, journals, stories, paper records, newspapers).  
Station 4. Demonstrate how water flows through watershed using a paper model and markers; explain special features of karst landscape (such as nearby sinkhole pond).  
To volunteer, contact Meredith Donaldson at (573) 815-9255 or [Mjdonlsn@aol.com](mailto:Mjdonlsn@aol.com). Project is approved.

**Butterfly Display Board Creation:  
Weekdays, October 15<sup>th</sup> through 31<sup>st</sup>**

*Sponsored by the Big Muddy National Fish and Wildlife Refuge*

One or two people are needed with artistic flair/decorating/display savvy to arrange the butterflies and moths that have been collected into a good display for the public. Volunteers need to be able to work weekday daytime hours. Contact Wedge Watkins at [Wedge\\_Watkins@fws.gov](mailto:Wedge_Watkins@fws.gov) or 573-441-2788. Project is approved.

**Work Day at Russell:  
Saturday, October 20th**

*Sponsored by The Columbia Audubon Society.*  
This is a work day at one of the Columbia Audubon Society's properties. We will be removing old equipment and fencing along with honeysuckle. Contact Vanessa Melton at 573-864-3905 or [vanndawn@hotmail.com](mailto:vanndawn@hotmail.com). Project is approved.

**Guided Tours of the Lewis and Clark Trail of Discovery, Arrow Rock: Saturday, October 27th, Tours at 10:00, 1:30, and 3:30**

*Sponsored by Friends of Big Muddy and Friends of Arrow Rock*

Tour leaders will lead free guided tours at 10:00, 1:30, and 3:30. Guides will interpret the natural and cultural history of the area including the Jameson Island Unit of the Big Muddy National Fish and Wildlife Refuge and how the Missouri River has impacted the town of Arrow Rock. Volunteer hours are available to Master Naturalists who lead the tours or trail to be future tour leaders. Contact Troy Gordon at [friends@friendsofbigmuddy.org](mailto:friends@friendsofbigmuddy.org) or call 573-424-9051. Project is approved.

### Ongoing Opportunities

**Project Seeds- Students, the Environment, and Endangered Species**

*Sponsored by the U.S. Fish and Wildlife Service, Ecological Services Columbia Office*  
Volunteers will lead presentations on Boone County endangered species in Columbia schools (5<sup>th</sup> grades). They will also follow up presentations with installing and maintaining an aquarium in the school and hosting a book fair to purchase wildlife books for the school libraries.

Contact [Becky\\_Clearwater@fws.gov](mailto:Becky_Clearwater@fws.gov) or Charlie Scott at [Charlie\\_scott@fws.gov](mailto:Charlie_scott@fws.gov) Phone: 573-234-2132. Project is approved.

**Prairie Seed Collection for Prairie Restoration at the Charles Green Conservation Area**

**Ongoing May until November, each year for 6-10 years**

*Sponsored by Missouri Department of Conservation.* Volunteers maintain and collect seed from established forb plots at Charles A. Green Conservation Area (little guesswork, as plants are in rows). They can also collect on other areas of choice, if species and/or area have been approved. Contact: John George at [John.George@mdc.mo.gov](mailto:John.George@mdc.mo.gov) or 573-882-8388 ext 224. You may also contact Jody Stotsky at 573-874-0642 to learn about her work on the forb plots at the Green Area in summer and fall of 2006. Project is approved.

**Columbia Fishery Resources Office,  
Ongoing, typically weekdays throughout  
the year**

*Sponsored by the U.S. Fish and Wildlife Service.* Volunteers a join fishery staff for day long trips to the field where they will collect, tag, and measure fish, and assess fish habitat quality. Volunteers may also work in the lab to aid in fish identification analysis of field data. Contact: Joanne Grady at [Joanne\\_Grady@fws.gov](mailto:Joanne_Grady@fws.gov) or 573-234-2132, ext. 101. Project is not yet approved.

**Bulletin Board Update at Rock Bridge Memorial State Park, Flexible scheduling**

Volunteers are needed to drive to the park's four bulletin boards, open and close them with a power drill and add/remove flyers and posters. Work can be done on your own time if you have your own power drill and vehicle or between 8am and 4:30pm if you need to use park equipment/vehicle. Updates usually needed 2-3 times per month during busy seasons (April-October), and once a month during slower seasons (November-March). Contact: Kathryn DiFoxfire at [rock.bridge.memorial.state.park@dnr.mo.gov](mailto:rock.bridge.memorial.state.park@dnr.mo.gov) or Roxie Campbell at [roxie.campbell@dnr.mo.gov](mailto:roxie.campbell@dnr.mo.gov) 573-449-7402. Project is approved.

**Raptor Rehabilitation Project, Ongoing**

*Sponsored by Raptor Rehabilitation Project.* Care for sick or injured raptors; feed and provide activities to captive, wild animals; create, improve and deliver presentations. Contact: Erin West, President at [eeewd76@mizzou.edu](mailto:eeewd76@mizzou.edu) for details and training. Project is approved.

**Prescribed Burns at Rock Bridge Memorial State Park, Select weekdays between 8 a.m. and 3:30 p.m. (call for specific dates)**

Volunteers assist in prescribed burns in restored native grassland or woodland units within park. Exact dates are determined by weather, wind direction, staff and volunteer availability. Contact: Kathryn DiFoxfire at

[rock.bridge.memorial.state.park@dnr.mo.gov](mailto:rock.bridge.memorial.state.park@dnr.mo.gov) or Roxie Campbell at [roxie.campbell@dnr.mo.gov](mailto:roxie.campbell@dnr.mo.gov) 573-449-7402. Project is approved.

**Prairie Fork Conservation Area Field Trip Naturalists**

*Sponsored by Missouri Dept. of Conservation, University of Missouri, Prairie Fork Trust.* Prairie Fork CA needs naturalists to staff environmental education stations during field trips for school students. Most programs take place M - F from ~ 9 am to 2 pm. Most programs involve 3 small group activities from 9am till noon with children rotating through stations and one large group activity after lunch. Help is most needed during morning activities. Contact: Benedict Nagy at (573)254-3262, or [benedict62@yahoo.com](mailto:benedict62@yahoo.com). Project is approved.

**Friends of Rock Bridge Memorial State Park Explore Rock Bridge, 3<sup>rd</sup> Saturday of each month**

*Sponsored by Friends of Rock Bride Memorial State Park.* Explore Rock Bridge provides opportunities for the public to explore different park resources and participate in service projects. Volunteers needed to assist trip leader with hike each month and to plan future programs. Contact: Meredith Donaldson at [Mjdonlsn@aol.com](mailto:Mjdonlsn@aol.com) or 815-9255. Project is approved.

**Landowner Contacts Database, Flexible hours until completed.**

*Sponsored by the Missouri Department of Conservation.* Volunteer will log landowner contact folders by location. Files date back to the 1940s and recording assistance provided on specific properties in the past will provide an account of historical management allowing MDC to better assess property needs. Location: Fulton. Contact Josh Stevens at [Josh.Stevens@mdc.mo.gov](mailto:Josh.Stevens@mdc.mo.gov) or 573-592-1412. Project is approved.

**Friends of Big Muddy Activities, Ongoing dates throughout the year.**

Sponsored by *Friends of Big Muddy*. Most opportunities are on units of the Big Muddy National Fish & Wildlife Refuge. Check <http://www.friendsofbigmuddy.org> for current opportunities or sign up for list serve announcements of activities by e-mailing FriendsOfBigMuddy-subscribe@yahoogroups.com. Contact Troy Gordon at [friends@friendsofbigmuddy.org](mailto:friends@friendsofbigmuddy.org) or call 573-424-9051. Projects are approved.

**CALL FOR CONTRIBUTIONS!**

Have you participated in a great service project? Have you read a great book lately? Found a cool online resource? Discovered a tool that is making your outdoor life easier? Please send your comments and reviews to [Rachel.Pia@gmail.com](mailto:Rachel.Pia@gmail.com) for inclusion in the newsletter.

“Like music and art, love of nature is a common language that can transcend political or social boundaries.”

Jimmy Carter

**Chapter Co-advisors:**

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Missouri Department of Conservation: TBD

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**NEXT MEETING—NOTE CHANGE IN TIME AND PLACE!!!!**  
**Sunday, October 14, 1:00 - 4:00pm**  
**Prairie Garden Trust**  
**Field Trip**

Refreshments: Suzanne Wright will send reminders to those who signed up for October.  
Please bring anything needed to serve and consume your dish or drink.



*To promote awareness and citizen  
stewardship of natural resources  
through science-based education and  
community service*