



~ The Dragonflyer ~

Vol. 4 No. 10

Boone's Lick Chapter

October, 2009

OCTOBER MEETING

Thursday, October 8; 6:30pm
Extension Office

SNAKES
Rochelle Rankin, MDC Resource Scientist

Program has been approved as advanced training.

Refreshments:

Dessert: Susanne Wright; Non-dessert: Melissa Bedford; Beverages: Susan Hazelwood.



PRESIDENTIAL PONDERINGS

Meredith Donaldson

It is time to record those hours! Volunteers working to earn the 2009 Crawfish recertification pin have until December 31, 2008 to complete their annual 40 hours of volunteer service and eight hours of advanced training. **However, in order to receive the Crawfish pin at the December 10th meeting, your hours need to be turned in to Kent by October 30.**

Recertification pin: Every year that volunteers successfully receive a specially designed pin that is available for that year are limited editions; each is only available during a given year. images of native Missouri plants or animals that were drawn This year's pin is a crayfish (see right). Volunteers who are recertify in a given year are still considered Master Naturalists, considered certified or receive the limited edition pin.



recertify, they only. These pins The pins are of by an MDC artist. active but unable to but will not be

Note to trainees: Once a volunteer completes an additional eight hours of approved advanced training and forty hours of volunteer service in the same year they received their initial certification, they can be considered recertified and receive that current year's recertification pin.

Milestone pin: The Master Naturalist program commemorating different milestone achievements. The milestone pins honor those volunteers who 500 hours, 1,000 hours, 2,500 hours, and 5,000. These hours are cumulative. Volunteers may within one year or over the course of several milestones, **it is important that service hours the forty-hour minimum are reported.** Left to Certification pin; 250 hours pin (bronze); 500 1,000 hours pin (gold); 2,500 hours pin (silver); (polished gold with diamond).



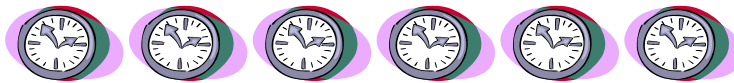
offers a series of pins within the program. have given 250 hours, reach a milestone years. Given these **above and beyond** hours pin (pewter); 5,000 hours pin

Master Naturalist Recognition Awards

A chapter may honor a non-member who has made a to the furtherance of the activities of the chapter. This person member of the Missouri Master Naturalist program and is dragonfly pin that is similar to the milestone pins. Honorary selected by the affirmative two-thirds vote of the membership present when elections are held. Honorary Master Naturalist pin – copper dragonfly.



substantial contribution is deemed an honorary given a copper members shall be



MEETING MINUTES

Carolyn Doyle, Secretary

Missouri Master Naturalists
Boone's Lick Chapter
Minutes of Meeting
September 10, 2009

The Boone's Lick Chapter of MMN met at 6:00pm on Thursday, September 10, 2009, at the University of Missouri Extension Office, Columbia, Missouri, for their regular monthly meeting. Present were Meredith J. Donaldson, Jane Fore, Shelly Reimer, Angela Belden, Melissa Bedford, Phil Knocke, Carolyn Doyle, Mary T. Williams, Hugh Harrison, Robert McArthur, Alice Havard, Gail White, Billy Dooling, Susan Hazelwood, Suzanne Wright, Chris Egbert, Anna Nowack, Sally Swanson, and guest David Joslyn, MMN in training from the Osage Trails Chapter. Also present was Kent Shannon, Extension advisor.

President Meredith Donaldson called the meeting to order at 6:05, and introduced Kent as our speaker for the evening, as the scheduled speaker had had to cancel. Kent uses the GPS system frequently in working with crop fields, boundary lines, etc., and gave a very informative, hands-on

demonstration on using the GPS units. This program has been approved as one hour of advanced training.

The group broke briefly for snacks at 7:35, and Kent wrapped up the program. The business meeting was called to order at 7:50 by president Meredith.

I. Old Business:

A. Copies of the Boone's Lick Chapter MMN By-Laws, as amended last month, were distributed to the members present. Suzanne Wright moved, motion seconded, that we accept these by-laws, and discussion followed.

Angela Belden moved, motion seconded, that Article IV, Section B, item 2b, Certified Missouri Master Naturalist, be amended to read " Member of a completed training class who has completed forty hours of volunteer service and eight hours of advanced training within a sixteen month period, or a certified MMN..." (balance of section unchanged).

Motion Carried.

Angela Belden moved, motion seconded, that to Article VII, Section B, item 4, Quorum, be added "The meeting must have a minimum of five people present."

Motion did not Carry.

Melissa Bedford moved, motion seconded, that to Article VII, Section B, item 4, Quorum, be added "The meeting must have a minimum of ten people present."

Motion Carried.

Angela Belden moved, motion seconded, that to Article VII, Section C, item 3, Quorum, be added "The meeting must have a minimum of ten people present".

Motion Carried.

Suzanne Wright moved, motion seconded, that to Article XI, Section C, the word "voting" be inserted, the first sentence to read, "These by-laws may be amended by a two-thirds vote of *voting* members constituting a quorum....." (rest of paragraph unchanged.)

Motion Carried.

Suzanne Wright moved, motion seconded, that to Article IV, Section B, item 2, Missouri Master Naturalist Member, that the first sentence be amended to read, "Volunteer of an official class who has successfully completed the initial forty hour training requirement, and who has logged at least one hour of volunteer service within the previous twelve months." The second sentence remains unchanged.

Motion Carried.

Angela Belden moved we accept the amended by-laws, and motion was seconded.

Motion Carried.

II. New Business:

1. Nomination Committee: Suzanne Wright and Gail White are on the nomination committee, and would welcome a third member. Nominees for vice-president, secretary and treasurer are needed, anyone willing to serve in any of those capacities, or serve on the committee, are asked to contact Suzanne.

2. Training Committee: This committee will plan the training for the next MMN class. Chairman is Suzanne Wright, and also serving is Angela Belden. Carolyn Doyle offered to also serve.

III. Service and Training:

Volunteer Opportunities Committee: Melissa Bedford is chairman, and Laura Sweets is serving as a committee member. A third member is needed, anyone willing to serve, please contact Melissa or Meredith.

For advanced training and volunteer opportunities, please see the meeting agenda or the current **Dragonflyer**.

IV. Standing Committee Reports:

- A. Treasurer: Alice Havard reports we have \$250.27 in our account, unchanged from last month.
- B. Programs: Angela says the October program will be on snakes; the State of the Birds Report will be presented in November, and December is our holiday potluck dinner.
- C. Advanced Training: Angela reminds folks to check their newsletter.
- D. Project Approval/Volunteer Opportunities: Melissa says in addition to the newsletter, check the website for a link to October opportunities.
- E. Communication: Rachel Pia, no report.
- F. Refreshments: Robert McArthur asked for someone to provide a non-dessert item for next month. Melissa volunteered to do this.
- G. Historian: Bev Boyd, no report, but club secretary was reminded to send Bev copies of the minutes of meetings.

V. Announcements:

- A. Turn in articles for the **Dragonflyer** to Rachel Pia by September 21st.
- B. Remember to log your hours, and to check the MMN website.
- C. Suzanne asked for any issues to be brought to the State Advisory Committee to be emailed to her, for their e-conference in October.

With no further business, the meeting was adjourned at 8:45pm.

COLUMBIA/BOONE COUNTY RAIN GARDEN PROGRAM REACHES OUT TO THE COMMUNITY

BY Katrina Thomas & Rebecca Spicer

Missouri River Communities Network has been promoting rain garden education through a grant from the Missouri Department of Natural Resources as part of the Clean Water Act. The Columbia/Boone County Rain Garden Program was created to educate and raise awareness of the growing problem of storm water runoff and ways to reduce our impact on streams, rivers, and lakes through the use of rain gardens. The program is implemented by AmeriCorps Members completing a year of community service with the organization.

One of the goals of the program is to install 15 demonstration rain gardens with selected and qualified homeowners receiving a \$100 subsidy to assist in building a rain garden on their property. However, the grant only runs through the end of the year, and planting season is rapidly coming to a close. Interested homeowners should act now to take advantage of this wonderful opportunity!

If you would like to participate in the Columbia/Boone County Rain Garden Program, receive technical and financial rain garden assistance, or if you would like more information on the program and rain gardens, contact Missouri River Communities Network by visiting our website at www.moriver.org/raingardens.html, e-mailing us at booneraingardens@gmail.com or calling 573-256-2602.

9/22/2009

**Pollinators of Overton Bottoms,
Big Muddy Fish & Wildlife Refuge**

**Wedge Watkins
October 14, 7:00pm**

Native bees and wasps (Hymenoptera) and butterflies and moths (Lepidoptera) provide several important ecosystem services, including their role as pollinators. Pollinators are sensitive to environmental degradation, and changes in their abundance and diversity can influence plant species and bird species abundance and diversity. Because of this, pollinators have the potential to be valuable in monitoring ecosystem health and climate change. Seasonal and long-term changes in pollinator diversity and abundance, compared with similar short-term and long-term changes in vegetation, may provide valuable information on the health of a given ecosystem.

The Overton Bottoms North unit of the Big Muddy National Fish and Wildlife Refuge (approximately 2,000 acres, within the Missouri River floodplain) is being restored from agricultural to native habitats. Three distinct habitats (wet prairie (weedy herbaceous/scattered trees), early successional bottomland forest and upland (fescue pasture/old field) were sampled for bees and wasps from May-September of 2009. Volunteers from the Missouri Master Naturalist program (Boone's Lick chapter) worked with the refuge biologist and with the support and cooperation with the Missouri Department of Conservation (Mike Arduser), USGS (Patuxent Wildlife Research Center), and University of Missouri – Columbia, to conduct a baseline survey of the Overton Bottoms North unit. Over 50 species were identified during the first field season and several more will be added as identification continues over the winter. The refuge plans to use this data along with information on vegetation, migratory birds and a previous moth and butterfly survey (2006-2008) to develop its comprehensive conservation plan and habitat management plans.

Directions -

To get to the Bryant Cabin, take the Overton/Wooldridge exit off I-70 (exit #111, the first exit west of the Missouri River bridge at Rocheport). Go north about 300 feet to the "T" intersection and turn left on Highway 98. Go west seven tenths of a mile and turn right on Brady Lane (the first road to the right). In six tenths of a mile, Brady Lane curves ninety degrees to the right. Go straight on the gravel drive, going past the Loesing parking area and through the open gate. The lane follows the ridge around to the cabin. A map is on the refuge web site, and the Bryant Cabin is in the dark "closed area." Just ignore the closed area signs, as you have special authorization for these programs to enter the area.

All programs are open to the public. You do not need to be a member of either organization to participate. We hope you can come and learn more about the Missouri River!

UPCOMING EVENTS

If you would like to earn service or advanced training hours for any listed events, please see the instructions for submitting projects for approval under the “Volunteer Opportunities” or “Advanced Training” sections.

Saturday Morning Science, Saturdays through the semester

These free, one-hour lectures are held in the Monsanto Auditorium of the Life Sciences Center at MU at 10:30am on Saturdays. More information on the program and individual presentations may be found at <http://.SatScience.Missouri.edu>. Upcoming topics:

Oct 3: An Injection of Plague

Oct 10: Would Darwin Recognize Modern Darwinism?

Oct 17: How Does Malaria Jump from Mosquitoes to Humans?

Oct 24: Charles M. Rick’s Hunt for The Wild Tomato

Oct 31: How Are Drugs Designed?

Nov 7:Autism’s Causes & Treatments

Nov 14: Cure You or Cripple You?

(break)

Dec 5: What Is Superconductivity?

Dec 12: The Chemistry of NASCAR.

In Touch with Nature Event at Lincoln University, Oct. 3

Lincoln University Cooperative Extension's "In Touch with Nature" field day in Jefferson City will be held Saturday, Oct. 3 from 10am to 2pm at the university's Alan T. Busby Farm, 5124 Goller Road off US-54 W.

The event will feature a variety of walking and wagon tours, hands-on demonstrations and exhibits for adults and children, including storytelling, tours of the aquaculture lab and grassland and savanna restoration projects, games and face painting, petting zoo (goats, sheep, chickens), nature photography, and demonstrations of raised bed gardening, native plant landscaping and dutch oven cooking.

Directions: From US-63 merge onto US-54 W via the ramp to Jefferson City, continue past the junction to MO-179, the junction to MO-CC and the bridge over Neighorn Creek. At the top of the long hill move to the left lane. Turn left onto Goller Road. Goller Road is on the opposite side of the Phillips 66 gas station. Watch for signs.

For more information about the event, contact Nadia Navarrete-Tindall at navarrete-tindalln@lincolnu.edu or call 573-681-5392.

Missouri Prairie Foundation Annual Meeting Oct. 10 in Cole Camp

MPF members are invited to the annual MPF meeting in Cole Camp on Saturday, Oct. 10. MPF will hold its Fall board meeting that morning at 9:00 at a private prairie under a big tent just outside of

town. MPF members are welcome to attend the meeting and encouraged to take part in the many Prairie Day activities in town. Bus tours to MPF's nearby Drovers and Friendly Prairies will be available, as well as guided hikes at Hi Lonesome Prairie, just outside of town.

This year's annual meeting includes a very special joint reception at 5:30 for MPF and Audubon Missouri members on a private prairie just outside of town. Enjoy complimentary wine and cheese, and take part in a special sunset tour of the prairie with the prairie's owner. *RSVP to the reception at info@moprairie.com or to 1-888-843-6739 by October 1.*

Cole Camp is approximately 20 miles south of Sedalia. To reach the MPF meeting and reception from Cole Camp, take Hwy. 52 west and turn north on Klink Road (gravel) at the propane distributor. Go north on Klink to the T with Hi Lonesome Road; go west on Hi Lonesome; watch for signs and the big tent. To see the Cole Camp Prairie Day schedule of activities, visit www.moprairie.org or <http://mo.audubon.org>.

Midwest Environmental Education Conference, October 14-17, Champaign, Illinois.

The Environmental Education Association of Illinois invites you to attend the 2009 Midwest Environmental Education Conference! The conference strands of Sustainability, Natural History, Administration & Interpretation have created an amazing conference lineup. For more information, go to: www.eeai.net/annual_conf.

MEEA Conference, October 16-18, Ozarks Community Technical College.

The Missouri Environmental Education Association Conference will be held at the new Richwood Valley Campus of Ozarks Community Technical College, south of Springfield, MO, between Nixa and Ozark, MO, on October 16-18. The Theme this year is Outdoors in the Ozarks. More information will be available at <http://www.meea.org/2009conference.html>. This is an excellent learning and networking opportunity. In past years, some sessions have been submitted for advanced training.

Factoid from Summer 2009 MEEA Newsletter

An oribatid mite and over 100 other species of mites, very distantly related to ticks, are herbivores, slowly but steadily consuming the dead and decaying leaves on the forest floor. There may be several dozen different oribatid species and hundreds of individuals in a single handful of leaf litter. Without them, mineral cycling in forests would slow way down!

Know the Dark, Rock Bridge Memorial State Park, Sat, Oct 17, 7-9:30pm.

Learn about nocturnal creatures and night vision and go on a guided hike. Lots of fun, hands-on activities will help you explore the darkness and the science behind the night. *(This cool program has been part of our training classes the last few years. This is your chance to bring a friend to experience it. Ed.)*

Reservations required.: 573-449-7400. Free. Recommended ages: 8 to adult.

Fall Color Hike, Rock Bridge Memorial State Park, Sat, Oct 24, 12:30-4:30.

Absorb the colors of autumn. . . while hiking the scenic trails of the Gans Creek Wild Area (about 3 miles).

- See breath-taking bluff-top views, enjoy the gravel bars of Gans Creek and explore two small caves (optional to enter).

- Learn why leaves change color and learn about the wildlife that make their homes among the forests, glades and streams.

Free. Reservations are required: 573-449-7400. Recommended ages: 8 to adult.

350.org Climate Event- in Warrensburg, Oct 24

Warrensburg's Planetary Day of Climate Action will take place on Saturday, Oct. 24. This will be one of 1,400 community events held around the the world to encourage positive steps to slow and reverse climate change, organized at this time in anticipation of this winter's World Summit on Climate Change in Copenhagen.

350.org, an international coalition organizing the planetary day of action and the inspiration for local activities, chose its name to call public attention to the importance of the number 350, as in parts per million, the upper safe limit of carbon dioxide in our atmosphere.

Protecting and restoring native grasslands in Missouri is important not just for plant and wildlife conservation but for combating climate change: prairie plants sequester large amounts of carbon in the soil, up to 1.8 tons of carbon per acre per year.

The Oct. 24 event will begin at 1:30 p.m. with a short walk from Shepard Park on North College Ave. to the Courthouse, City Hall, and Central Missouri University, ending at the university's Union Atrium. There, conservation groups will have exhibits from 2 to 5pm. In addition, there will be an energy workshop, exhibits on the new UCM Energy Park, a demonstration of solar energy production, music and more. Governmental agencies will explain the steps they are taking to increase energy efficiency and reduce carbon dioxide emissions.

Citizens for Environmental Action, a Johnson County group, is organizing the event to focus public attention on the urgency of addressing climate change and the importance of public demand for action by national and international officials.

Inland Bird Banding Association Meeting, Nov 6-8, St. Louis.

Anyone interested in birds is invited to attend the 2009 Inland Bird Banding Association (IBBA) meeting, November 6-8, hosted by the World Bird Sanctuary. IBBA is a regional association supporting bird banding as a useful tool in the study of migration and biology of inland birds. The inland region stretches from Saskatchewan and Manitoba in the north to Texas in the south. It includes most Midwestern states.

The meeting will include a presentation by Brad Jacobs, Missouri State Ornithologist of the Missouri Department of Conservation regarding his work at Pico Bonito on Friday evening and a live bird presentation by Walter C. Crawford, Jr. and staff of the World Bird Sanctuary on Saturday evening.

Saturday morning sessions will include an early morning driving tour of the Lone Elk St. Louis County Park and then a behind the scenes tour of the World Bird Sanctuary. Presentation of Papers and Workshops will be Saturday afternoon.

For more information, and to register for the conference, visit the [IBBA website](#). Contact [Linda Tossing](#) (also Chair of the Missouri Bird Conservation Initiative) with any questions.

National Association of Interpreters National Workshop, November 17-21, Hartford, CT. The 2009 NAI National Workshop will provide a wealth of information and rejuvenation. The professional development and networking opportunities at every NAI workshop include inspiring and informative [keynote speakers](#), [concurrent sessions](#) and [preworkshop training](#) in 13 different tracks, [special events](#), and [offsite sessions](#) that allow you to learn about a unique corner of the country.

The workshop slogan, “Navigating Change, Revolutionizing Interpretation” is an apt one, as our world, our audiences and our economy change at an ever-quickening pace. The NAI workshop will provide you with the tools needed to adjust and adapt to these changes. Join interpreters from around the world to share your experience, interests and ideas. Join us at the 2009 NAI National Workshop in Hartford. For more information, go to: <http://interpnet.com/workshops>.

ADVANCED TRAINING OPPORTUNITIES
(All approved unless otherwise noted)

STREAM TEAM TRAINING

VWQM: Level 1 Workshop in Columbia: Saturday, October 10, 8:30-5:00. (You must have completed the Intro workshop, and reported data, to enroll in the Level 1 workshop.) Registration deadline: September 30th. Location: Boone Electric Co-Op, 1413 Rangeline. To enroll online, or to find another session/location to fit your schedule, go to: <http://www.mostreamteam.org/wqlevel1.asp>
Reminder: These workshops tend to fill quickly, so be sure to reserve your place soon.

VOLUNTEER OPPORTUNITIES

Below are the volunteer opportunities and ongoing projects, as well as announcements of other events. 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.

To add your project to the list of volunteer opportunities, please contact Melissa Bedford BedfordM@Missouri.edu or Laura Sweets SweetsL@Missouri.edu.

October & Upcoming Volunteer Activities

Outdoor Classroom Workdays

Thurs, Oct 1: 3:30-6 Rock Bridge High School rain garden

Mon, Oct 5: 12-3:00 Rock Bridge Elementary outdoor classroom

Thurs, Oct 15: 4-6 West Blvd Elementary rain garden & outdoor classroom

Please bring your workgloves and handtools.

Note: if interested, Lea can put you on the email list for Work Day updates, reminders, and weather-related schedule changes. langtrea@gmail.com.

Project is approved.

Raingarden Workdays, Missouri River Communities Network (MRCN)

Tues, Oct 6: 12-2 Capen Park Compost Demo Site rain garden

Wed, Oct 14: 12-2 Bethell Park rain garden

Please bring your workgloves and tools. For more information, contact Lea Langdon at langtrea@gmail.com or 864-7647 to sign up.

Project is approved.

These ending times are flexible...if you can only come for part of the time, come anyway. If you want any more info, email or call Lea at langtrea@gmail.com or 864-7647.

Native Seed Collecting Trip with John George, October 7

October 7 – Wednesday evening – Green Area or Tucker Prairie

This is part of the ongoing Native Plant Seed Collection for Natural Community Restoration project.

Email John at: JohnGeorge@mdc.mo.gov.

Note: John will be away for the first part of the month. Please email him to participate/get on his email list. He expects to send out an email with details the weekend prior to the trip.

Outdoor Education at Prairie Fork Conservation Area

Please contact Jody (Coats) Frank, Outreach and Education Coordinator, Prairie Fork Conservation Area, 573 356-8898 or. jlc7t4@mizzou.edu to get on her email contact list for school projects at Prairie Fork.

Oct 13, 9-2: The first group is coming from Lee Expressive Arts School in Columbia. This group will be the entire 4th grade from Lee. This is the group that I will really need volunteers for.

Oct 23, 9-2: The second group has also scheduled 10/28/09 as a rain date. This will be a small group of about 15 students, ages 6th through 8th grade. They are in a home school science club and they wanted one station dedicated to soil science. If you have anyone in your Master Naturalist group that has a soil background, let them know that their knowledge would be helpful.

Volunteers are needed to staff stations with environmental education activities. For the groups this fall we will be using the stream table to learn about the water cycle and water erosion, also we will be doing a pond life exploration activity where students use dip nets, field guides and observation containers to learn about what is living in the pond on the area. There will be a few other stations, but they will involve learning about ecosystems-prairie and other as well as food webs and food chains. Please pack a lunch. Contact Jody to sign up and get further details.

Project is approved.

Hinkson Clean Sweep, October 17

Hinkson Clean Sweep is a city-wide stream cleanup event where volunteers work together to clean area streams. The result is a healthier watershed and attractive community. Volunteers will be provided mesh and trash bags. Sites will be led with trained volunteers and supporting staff. Select the location appropriate for you, your family, organization or group. Everyone can participate! Handicapped accessible locations are available. This event is appropriate for individuals, and groups

of all sizes and people of all ages and abilities. Deadline to register is Friday, October 9. Register at <http://www.gocolumbiamo.com/Volunteer/Forms/hinkson-cleansweep-form.php>

Project is approved

Fall Quail Covey Whistle Counts, Weekdays in October

Assist MDC biologists to count and locate quail coveys on state land to determine the effectiveness of past habitat work. Department biologists will be conducting predawn whistle counts during the month of October on the Department's 19 QEAs to determine preseason population densities and the effectiveness of past management practices. After the calling period, biologists attempt to flush the birds to determine the size of the covey. Assisting with the survey is an excellent way to learn more about quail habitat management and a great way to get your dogs into birds before the season.

Volunteers will need to arrive at the conservation area at least one hour before sunrise and additional training may be required if you plan to assist with the actual surveys. Held weekdays with favorable weather in Oct. please contact Aaron Jeffries at 573-522-4115 x3146 or Aaron.Jeffries@mdc.mo.gov to sign up and for more information.

Project is approved

Ongoing Volunteer Opportunities

Bee Inventory at Overton Bottoms North- Specimen Identification and Mounting

Big Muddy National Fish and Wildlife Refuge-Overton Bottoms North Unit.

Big Muddy National Fish and Wildlife Refuge (Overton Bottoms North)

Data from the inventory will also be used to begin a bee list for the refuge unit. Participants will learn collection and trapping techniques, pinning skills required for mounting the specimens, and identification skills to differentiate between bee species with visits to the MU Entomology Lab. The Big Muddy National Fish and Wildlife Refuge and/or Friends of the Big Muddy will provide all necessary identification books, and bee capture, preservation and mounting equipment. Volunteers will want to dress appropriately for field work (sturdy shoes or boots, long pants, and head covering are recommended). Volunteers will be encouraged to bring their own gloves, insect repellent, sun block, and water.

The dates listed below are tentative. They will be subject to change depending on weather/flooding and other factors beyond my control. I will contact you if an event is cancelled. In addition to these dates, we will schedule 2-3 dates for identification at the MU Entomology Museum (late June-August). All trapping/netting will take place at the Overton Bottoms North unit of the Big Muddy National Wildlife Refuge. Take I-70 to the Overton/Wooldridge exit (#111), this is the first exit west of the bridge over the Missouri River. At the end of the exit ramp, turn right. At the stop sign on HWY 98, turn right. This road will cross the RR tracks and turn to gravel. We will meet at the first parking lot on the right (about ½ mile, look for the big pecan trees).

All washing/drying/pinning will take place at our office (4200 New Haven Road). From the Nifong/HWY junction travel east (Nifong becomes New Haven RD) one mile. At the USGS Columbia Environmental Research Center, turn right at the 3rd drive way, turn left through the chain link fence, our office is at the south end of the parking lot.

Summer 2009 Schedule for collecting, preparing, pinning and identification of specimens
October 6, 1:00-4:00, MU Entomology Museum. *Session limited to project participants.*

Contact: Wedge Watkins, 573-442-2778, or Wedge_Watkins@fws.gov if you are interested in participating. Although this is a Capstone Project, non-trainees are encouraged to volunteer. Project is approved.

School Natural Areas/Outdoor Classrooms

Many of our local schools have nature areas that have been neglected and could use some volunteer assistance. These areas include prairies and woodlands, small butterfly gardens or sensory gardens, and rainwater gardens. The following elementary schools are volunteer sites: Blue Ridge, Fairview, Mill Creek, New Haven, Rock Bridge, West Boulevard, plus Rock Bridge High School. Hallsville, and Harrisburg are also possible sites, and there are other schools that have Outdoor Classrooms, but we have not yet begun working with them. If you are close to another school and curious about volunteering there, I can tell you what I know about their natural areas, and we can try to get something going there. Opportunities exist to work at just one school, or to be called or emailed for work days at different schools.

Contact Lea Langdon at langtree@gmail.com or 864-7647 to sign up. Project is approved.

CACHE/SPARKS Birding Trips – Wednesday mornings

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

These are birding trips with Bill Clark, former president of The Columbia Audubon Society. Meet Bill at 7:30am (don't be late) at the southwest corner of the Parkade Center parking lot. The destination will be decided the day of the trip depending on who is there and where they want to go. Contact Bill Clark at 573-474-4510 to confirm you are attending. Project is approved.

Native Plant Seed Collection for Natural Community Restoration, May through December, 2009.

Sponsored by the Missouri Department of Conservation

This ongoing project's aim is the restoration of MDC prairie, glade, and savanna sites in Boone, Callaway, Audrain, and Randolph counties. Volunteers will learn in a field setting about plant communities, species of native flowers and grasses, plant identification, and both seed collection and planting techniques.

MDC will provide all necessary plant identification books, collection bags, and clippers. Carpooling will be provided when possible. Volunteers will want to dress appropriately for field work (sturdy shoes or boots, long pants, and head covering are recommended), bring their own gloves, insect repellent, sun block, and water bottles.

Collection dates will begin in mid-May. Tentative dates furnished are as follows:

October 7 – Wednesday evening – Green Area or Tucker Prairie

October 17 – Saturday morning – Tucker Prairie

To express your interest and be notified of specific arrangements for field trips, contact John George at 573-882-8388 or JohnGeorge@mdc.mo.gov. Project is approved.

Troy Gordon Memorial Hummingbird Garden

Sponsored by the Audubon Society of Missouri and Boone's Lick Chapter of the Missouri Master Naturalists

Help is needed for ongoing maintenance of the Memorial Garden. The garden has four planted areas that include a swale (that connects to the Butterfly Garden), formal garden, Buckeye Island and pond habitat. Participants will learn valuable information about native Missouri plants, grasses, shrubs and trees and become familiar with their light and water preferences, planting techniques and maintenance requirements. Volunteers will provide their own garden and hand tools, wheelbarrows and gloves as required for that day's activity. Volunteers will want to dress appropriately for field work (sturdy shoes or boots, long pants, and head covering are recommended). Insect repellent and sun block are recommended, as are water bottles.

To participate in this project, contact Suzanne Wright at 573-446-2217 or Suzwright@centurytel.net. Project is approved.

Phenology Observation- Ongoing.

Sponsored by the USA National Phenology Network.

Phenology is the study of recurring plant and animal life cycle events, or phenophases, such as leafing and flowering of plants, maturation of agricultural crops, emergence of insects, and migration of birds. Many of these events are sensitive to climatic variation and change, and are simple to observe and record. As an USA-NPN observer, you can help scientists identify and understand environmental trends so we can better adapt to climate change.

The USA National Phenology Network brings together citizen scientists, government agencies, non-profit groups, educators and students of all ages to monitor the impacts of climate change on plants in the United States. The USA-NPN is looking for volunteers to help monitor 200 plant species found across the United States. This effort will eventually expand to include animals and physical phenomena, such as bird migrations and ice out on ponds. You may explore their website at www.usanpn.org to learn more about USA-NPN and become an observer. Training is available on the website and reporting is done via that site. Project is approved.

Raptor Rehabilitation Project - Ongoing

Sponsored by Raptor Rehabilitation Project

The most rewarding volunteer experience ever! We have new opportunities for volunteers to begin working with birds sooner. Please contact us to set up training sessions just for you, so you can begin to feed these amazing creatures. You can then become more familiar with our education birds and all of the amazing ways you can interact with them and continue educating delighted audiences throughout mid-Missouri about the importance of wildlife conservation. This is a rare and special opportunity that is not available in most areas. We are truly lucky to have the chance to do so, so why not check it out?

Contact: Amber Edwards, Volunteer Coordinator, at 314-550-0201. Let her know you're a Master Naturalist. Project is approved.

Time is nature's way of keeping everything from happening at once.

– Woody Allen

2009 Officers

President	Meredith Donaldson MJDonlsn@aol.com	Advanced Training Co-Chair	Sally Swanson sal@socket.net
Vice President	Angela Belden Angela@stumod.com	Chapter Historian	Beverly Boyd SSBNBAB@hotmail.com
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State Advisory Committee Rep, 2009-10	Vacant		

Chapter Co-Advisors

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ShannonD@missouri.edu

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NEXT MEETING

Thursday, November 12; 6:30pm
Extension Office

**Citizen Science:
The Christmas Bird Count and the State of the Birds Report to Congress.
Susan Hazelwood**

Refreshments: Dessert: Sally Swanson, Non-dessert: Angela Belden, Beverages: Anna Nowack

2010 State Conference: St Louis, Fall rather than Spring.



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