

Bull Shoals Field Station
Missouri State University
901 S. National Ave—Biology
Springfield, MO 65897

Visit us on the web...
bullshoals.missouristate.edu

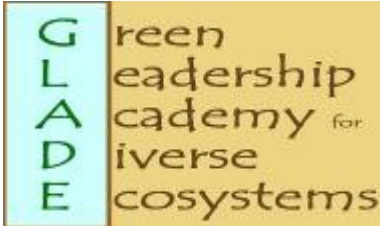
Our mission is to provide a location for faculty, students, and visiting scientists to conduct research and educational programs that increase public understanding of southwest Missouri ecosystems.

Dr. Janice Greene, BSFS Director
Dr. Beth Bowles, BSFS Research Specialist I
Celeste Prussia, MS, BSFS Manager
Erica Cox, Project WET Coordinator

417-836-5306
417-836-3731
417-836-6867
417-836-4337

JaniceGreene@MissouriState.edu
BethBowles@MissouriState.edu
CelestePrussia@MissouriState.edu
EricaCox@MissouriState.edu

GLADE at BSFS



The Bull Shoals Field Station hosted its fourth week-long residential program June 17-23, 2012 with 16 motivated southwest Missouri high school students who desired to impact their communities in the areas of environmental sciences and conservation leadership. The GLADE project is a collaborative effort between the Greater Ozarks Audubon Society (GOAS) and Missouri State University—BSFS in association with other partners including Missouri Department of Conservation, Watershed Committee of the Ozarks, James River Basin Partnership, and Missouri Master Naturalists—Springfield Plateau Chapter.

In addition to major support from MSU-BSFS and GOAS, GLADE 2012 was largely funded by grants from the Community Foundation of the Ozarks, Audubon Society of Missouri, Ozarks Water Watch, and White River Valley Electric Cooperative. Additionally, support from numerous private donors and local businesses including Great Southern Bank and K-Dock Marina helped make GLADE 2012 possible.



GLADE'rs show off their swamp-mucking gams



GLADE staff and the GLADE Mentor Development Teachers

The Rural Schools Partnership of the Community Foundation of the Ozarks provides Community Conservation Grants to GLADE graduates and their mentors. The GLADE graduates apply for funding to purchase supplies and equipment for their community projects. All project proposals are reviewed by GLADE staff and the applicants provide an accounting of their expenses related to their project completion.

A new development to the ever-evolving model of GLADE was incorporated this year. In April, 2012, Logan-Rogersville High School, partnering with GLADE, was awarded a \$15,000 Coover Foundation Grant for a GLADE Mentor Development Program. The grant, originally proposed for ten teachers, experienced a high demand to participate and the GLADE staff was able to

finance an additional two teachers. Twelve teachers joined GLADE staff the last weekend of September to learn more about the GLADE model and its community project component, and participate in bird banding, water quality monitoring, and leaderful model activities similar to those used to engage GLADE participants during the residential week.

Teachers were presented with resources to help them turn their campus into a conservation learning center and a stipend to support their time investment in the mentor program.

A GLADE reunion was held in November during which some of the graduates honed their presentation skills to prepare for the GOAS meeting during which they showcased their week of GLADE and told of their experiences.

On Sept. 29th, Public Lands Day, GLADE teamed up with the USDA-Forest Service for glade restoration, trash removal, and habitat structure installation at the Dabbs Creek Area of the Mark Twain National Forest. This glade and habitat restoration partnership will continue in 2013 with cedar removal and the addition of wildflower planting.

GLADE



Inside this issue:

Bird Banding –Year 3	2
Plants & Ozarks Culture Sponsor a Lake Buoy!	2
Year 3 Bird List	3
Christmas Bird Count	3
EE Blitz!	3
BSFS Recollections	4
BSFS Wish List	5
Friends of BSFS Form	5

BSFS Recollections	6-7
GLADE 2012	8

Class/Events in 2012

- MO Native Plants Society Meeting (Bowe), Apr 13
- Herpetology (B. Greene), Apr 21
- Ozark Writing Project, 6/14-15
- GLADE 2012 (J. Greene, Prussia), Jun 17-23
- Ozarks Natural Communities (J. Greene), Jun 15-16 + 29-30
- Plants & Ozarks Culture (Prussia), July 17-18 + 24-25
- Springfield-Greene Co. Parks Trip Camp, July 24-26
- Environmental Comparissons (J. Greene), Aug. 1-2
- Mammalogy Field Trips (Robbins), Sep 21-23 + Oct 12-14
- ID of Woody Plants (Bowe), Oct 6 + 27
- Plant Ecology (Wait), Oct. 27
- GLADE Reunion, Nov.10
- Chert Glades Master Naturalist Retreat, Dec. 7-9
- Christmas Bird Count (J. Greene), Dec. 29-30

Bull Shoals Field Station Newsletter

Winter 2012-13

Director's Notes



Janice Greene

As I sit in my office on this cold winter day, I remember all the activities at BSFS during this busy year. We had another successful, fun year of GLADE where I always learn something new. The use of BSFS by classes and groups continues to increase. Research and monitoring are also increasing with climate monitoring additions hopefully coming in the next year.

One thing, that I was fortunate enough to be involved with, was the Northern Saw-Whet Owl monitoring project. Northern Saw-Whets breed in forests of northern U.S. and Canada but migrate during the winter. Just a few years ago, no one knew if they came to Missouri or beyond. We know now the owls routinely pass through north and central Missouri, but no one had checked in the Ozarks. Last year we set up a net array near Fordland and caught one. This year, we caught one at BSFS. This is the furthest south in Missouri that a Northern Saw-whet has been caught. Next year, we will increase our monitoring to see if this was an anomaly or if they visit more frequently.

Thank You:

Our sincere thanks to the Chert Glade Master Naturalists for donating bird feeders to BSFS and to Boy Scout Troop 111 for trash pick-up and firewood gathering!

Volunteer Opportunities:

Some help to clean up a dump site at the Mincy House and to tear down an old trailer in the back yard
Someone to help put down paving stones in the lean-to parts of the shed

See our special feature of "BSFS Recollections" on pages 4-7

GLADE 2012

Green Leadership Academy for Diverse Ecosystems

Tour of Chase Studio with Dr. Terry Chase

(photo by Janice Greene)



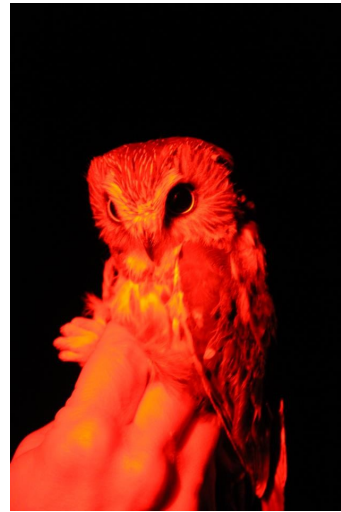
Staff Corner

Bird Banding – Year 3—Janice Greene and Andrew Kinslow continue to work with MSU students to document summer birds at BSFS

Three different bird monitoring activities were conducted in 2012. All work together to give a picture of bird diversity and changes in populations over the seasons. Long-term monitoring is a national goal of several organizations including the Organization of Biological Field Stations.

In the summer, we participate in the Monitoring Avian Productivity and Survivorship program targeting breeding birds. We have 10 nets that we monitor every 40 minutes for six hours approximately every 10 days. During the Christmas holidays, we conduct the Christmas Bird Count in conjunction with the Greater Ozarks Audubon Society. This program monitors populations of winter birds but also monitors range changes in migrating birds.

This year, we participated in the Northern Saw-Whet Owl monitoring project. This project is trying to find out where the owls spend the winter; little is known about their southern range and habitat. We tried 3 nights in November and December. On the 3rd night, we changed the location of the nets and were successful! It was a beautiful clear, cold night. The excitement level was high with the capture.



Northern Saw Whet Owl at BSFS

Plants & Ozarks Culture Led by Celeste Prussia

BSFS offered a four-day class in July that explored some of the native plants found locally and their usefulness. Starting with a survey of some native woodland plants in the Drury Conservation Area, students collected samples to explore the potential allelopathic properties of these plants to inhibit the germination of seeds or enhance the growth of seedlings. Students examined the germination pattern of various seeds and learned the easiest way to grow your own food without soil—seed sprouts! They ate what they grew and reported that the sprouts were tasty.

In addition to preparing an herbal first aid kit to repel insects and remedy insect bites, sore muscles, and sunburn, the students prepared lotion bars and

lip balm from plant-based products and beeswax. They made whole wheat pretzels and explored the interaction of flour, water, and yeast. The overnight experience gave the opportunity to learn some life skills that have become important in Ozarks culture including Dutch oven cooking, mordanting and dying fabric using common plants, and making a basket.

Students learned to make paper by recycling office paper as a pulp source then taught campers from the Springfield-Greene County Parks who camped at BSFS during our class session.

Everyday Botany for Educators is the summer 2013 BSFS plant-related course offering. Sequenced registration opens April 1, 2013.



Plants & Ozarks Culture students work with Springfield-Greene County Parks campers to make new paper from old

Sponsor a lake buoy!

We are looking for one or more companies or organizations that would be interested in sponsoring or co-sponsoring a water quality buoy on Bull Shoals Lake. The buoy would collect temperature profiles in the lake and stream in real-time and post the data to the web. The data will be invaluable for ongoing water quality research and documenting long-term climate trends, not to mention useful for local fisherman and boaters on the lake!

The sponsor's name/s will be displayed on the buoy and acknowledged on the BSFS website. The approximate cost for the buoy, anchoring system and electronic monitoring equipment is estimated around \$50,000.

BSFS Recollections

Tammy (Yelden) Trantham now with Table Rock Lake Water Quality

The Bull Shoals Field Station (BSFS) has been an integral part to my passion of educating anyone about the natural world around them. BSFS offers so many opportunities that they are too numerous to count. I was first exposed to BSFS during my Limnology class as a graduate student at Missouri State University (MSU). Our class made the journey down and explored the many ponds and examined the aquatic life. The greatest part was not only the education but the immersion in the ecosystem for the weekend. As a graduate student, you rarely get to escape the lab or classroom. A weekend at BSFS was like a mini-vacation. After the weekend, I requested from every professor that we use any excuse we can to go down and explore more.

I continued to have various classes host field trips to the field station and the experience really helped me communicate with other graduate students too. The discussions that ensued on various topics were always invigorating. During my final semester as a graduate student, I was lucky enough to be selected to be a Residential Coordinator for a new project called Green Leadership Academy for Diverse Ecosystems (GLADE). Janice Greene and Greg Swick were the directors of this project and they asked if I could help. My

answer was, "Absolutely!" I have had no regrets.

I can safely say that the week-long experience with the GLADE students (high schools students) was one of the most memorable moments of my life. It certainly gave me direction that I want to be an Environmental Educator. Not only an environmental educator, but a placed-based, environmental educator. The difference being that with placed-based education we are able to keep students immersed in an ecosystem for an extended period of time to learn all they can. They come away with knowledge but also leadership skills from working together as a team. Day-long field trips are great for short lessons; where the actual growth in a person, is in placed-based education.

Throughout the week, there was an amazing transformation of these high school students from being environmentally aware to becoming environmental stewards. It was inspiring to see how the teachers and mentors brought together lessons and leadership activities to drive home learning points. I had the privilege of teaching the lake ecology segment during the first summer and it was wonderful. Not only did the GLADE students learn about lakes but I learned from them as well.

At the conclusion of my graduate work, I took a job with Table Rock Lake Water Quality in Kimberling City. I started as their AmeriCorps

Assistant and coordinated with stream teams for educational events. This was my first dose of being an environmental educator and my experiences with the BSFS helped immensely. When I started my second year, I convinced my AmeriCorps project Director to have the annual training at the BSFS. I can say that it was well received and a huge success. We even worked with the wonderful, Celeste Prussia, and revamped the flower beds around the Mincy House. The ambiance and ability to explore the area around the BSFS made the training experience all the more successful.

In summer 2012, I was invited back to GLADE to teach lake ecology once again. I was so excited! Not only did we go out on Bull Shoals on boats but BSFS has an amazing laboratory to examine what we collected. The GLADE students were able to look at zooplankton (microscopic crustaceans that fish eat) so we could get a better understanding of the aquatic food web. I hope to go back every year for GLADE to not only be at the BSFS but to see how the immersion experience changes these students' lives.

All in all, the BSFS is a wonderful place to learn, relax, and immerse in nature. I am always trying to think of more excuses to go to the BSFS. I hope you all get to experience this place that MSU has to offer. This field station is a one-of-a-kind jewel for the Ozarks educational experience.

Dear BSFS Managers,

Here are the numbers:

July 24 overnight = 18.

July 25 overnight = 15.

It was great!!! Photo of kayakers attached. —>

So many times we encounter facilities that are aimed at college students that don't allow our programs in the door because of the ages we work with. It's refreshing to know that the MSU Bull Shoals Field Station isn't one of those types of facilities.

Thank you so much.

MELVIN JOHNSON, CPRP, MMN
Outdoor Initiatives Community Recreation Supervisor
Springfield - Greene County Park Board



BSFS Recollections

Field Experiences – Rob Hunt

My first experience at the Bull Shoals Field Station, that I can recall, was flipping logs and rocks, searching for salamanders, snakes, and lizards in Dr. Brian Green's Herpetology class. Throughout my college education, I would walk over the same path, but with many sets of eyes. I scoured winter twigs, counting bundle scars and bud scales in my Woody Plants class. I listened intently while scanning the tree limbs for birds in Ornithology. In Mammalogy, between setting and checking small mammal traps, I had my first encounter with the beautiful old Drury House. I never would have guessed how much time I would be spending in and around that house over the next couple of years.

Graduate school was peppered with visits to the field station. A small pond on the property provided me with a large batch of Spotted Salamander eggs which hatched into the subjects of my graduate research. I set traps in that same small pond to catch tadpoles and salamander larvae in a wildlife behavioral study. Logs and rocks provided Ozark Zig-zag salamanders for my lab mates. Cover boards provided an easy spot to grab handfuls of ring-neck snakes and collect scent cues for our research. I took Riparian Ecology at the field station and had my first encounter with Projects WET, WILD, and Learning Tree. It was also through this class that I got to know Erica Cox, who introduced me to a world of environmental education I hadn't encountered before. I learned all about home-made goods, folk remedies, and useful plant life of the Ozarks region through Plants and Ozarks Culture with Celeste Prussia. However much I enjoyed my research and class work at the field station, my most profound connection to the site comes from working there.

In its first year, 2009, I was offered a position as a counselor for the Green Leadership Academy for Diverse Ecosystems, or GLADE. Through a graduate assistantship, I was able to assist with the preparation for the camp and I stayed with the boys in the Drury House for the full week. This was before more recent improvements to the electrical supply and temperature of the building. That old building gets to be slightly sweltering in the summer months, especially when your stored energy budget only allows for one box fan. Mattresses were dragged down to the lower living room, and a single fan moved slightly cooler air over a room full of floor campers. Less than pleasant nights were more than forgotten during the incredible activities and experiences of each day. I watched a group of high school students explore what it means to be part of the natural environment, to work together, to stand up for ecosystems, and to lead their peers. The transformation was staggering and not reserved for the students only. It was at the Bull Shoals Field Station that my inclination toward environmental education was fanned into flame, and ultimately directed my life's path up to and including this moment. Working at The Watershed Center, I have the opportunity to relive that experience almost daily with school groups and adults alike. If not for my time at the old Drury House, my life might be very different today. The field station stands as an invaluable resource to students, teachers, and researchers alike. I am grateful to have so many fond memories of this very special place.

Now Working With MDC—Brad Mormann

The BSFS will always be a part of me because it is where I cut my teeth in performing wildlife research. Back a full decade ago the field station house was my base camp for netting, tracking, and researching the movements and roosting habits of eastern red bats. Even the house itself was ripe with opportunities for bat research as it housed several bats each day in the upstairs rooms before it was renovated. In addition to research the field station provided me a back drop with which to get youth involved in the outdoors. I remember helping with middle school events, conservation department programs, and MSU mammal trapping classes. All of which gave me the opportunity to pass on the knowledge I had accumulated and get others excited about sustainably managing our natural resources.

My career has greatly benefitted from these experiences. Coming from the prairie state of Iowa I had broadened my horizons by learning the challenges of working and managing the Ozark Highlands. This experience served me well as I moved on to become a wildlife biologist and consultant traveling across the U.S. to assist landowners and outdoor enthusiasts with managing their unique and challenging piece of land. That experience keeps on giving as I currently work as a MDC private land conservationist in the neighboring Douglas and Ozark counties. My travels have always taught me that the better you understand an ecosystem the better you can manage its resources.



What's that laundry basket doing in the woods?

Our most frequently asked question at the field station is easily answered. Dr. Alexander Wait and his students have for years been setting white and blue laundry baskets on the forest floor to collect the leaf litter and acorns that fall from overhead trees. They dry and weigh the material and process it to determine the nutrient content in an assessment of how the forest responds to the periodic prescribed burns that are conducted by the Missouri Conservation Department on a rotational basis in the Drury Conservation Area.

Bird Banding—Year 3—Bird List

Acadian Flycatcher	4	Common Yellowthroat	1	Northern Parula	2
American Redstart	3	Eastern Phoebe	3	Red-bellied Woodpecker	1
Black-and-White Warbler	7	Eastern Wood Peewee	7	Red-eyed Vireo	8
Blue-Gray Gnatcatcher	1	Eastern Tufted Titmouse	24	Summer Tanager	2
Brown-Headed Cowbird	1	Hairy Woodpecker	1	Swainson's Thrush	1
Carolina Chickadee	8	Indigo Bunting	7	White-breasted nuthatch	3
Carolina Wren	8	Kentucky Warbler	7	White-eyed Vireo	5
		Northern Cardinal	14		

2012 Christmas Bird Count in the Drury Conservation Area including BSFS

American Crow	29	Downy Woodpecker	9	Northern Flicker	3
American Gold Finch	7	Eastern Blue Bird	13	Northern Mockingbird	1
American Robin	16	Eastern Starling	20	Pied-billed grebe	5
Bald Eagle (immature)	1	Field Sparrow	1	Pileated Woodpecker	5
Bald Eagle (mature)	2	Finch Sp.	18	Pine Siskin	1
Barred Owl	1	Gadwall	75	Purple Finch	4
Black Vulture	2	Great Blue Heron	1	Red-shouldered Hawk	3
Blue Jay	7	Hairy Woodpecker	1	Red-tailed Hawk	3
Bonaparte's Gull	3	Hermit Thrush	1	Song Sparrow	10
Brown Creeper	1	House Finch	3	Tufted Titmouse	19
Carolina Chickadee	25	Kingfisher	2	Turkey Vulture	3
Canada Goose	24	Kinglet sp.	1	White-breasted Nuthatch	7
Carolina Wren	10	Lesser Scaup	2	White-throated Sparrow	27
Cedar Waxwing	1	Mallard	25	Yellow-rumped Warbler	3
Dark-eyed Junco	218	Northern Cardinal	51		

Environmental Education Blitz for Home Schooling Families



The first semi-annual Environmental Education Blitz was the brainchild of Celeste Prussia, BSFS Manager, who rallied other environmental educators of Springfield to collaborate in an effort to serve this traditionally underserved audience. Linda Chorce of the Springfield Conservation Nature Center, Barbara Lucks of the City of Springfield, and Jay Barber from Missouri

Conservation Department met to plan appropriate activities, scheduling, and outreach to other educators to build a quality program providing natural science and outdoor activities that engaged children and their teacher parents. Held at the Nature Center on Nov. 28th, the event drew over 150 persons and sent most home with seed balls, paper made from recycled fibers, and many memories of lessons learned under the guidance of educators and volunteers who are committed to getting children in touch with the natural world.

The next EE Blitz! is scheduled for Tuesday, March 19th at The Watershed Center. The theme is Cycles and Springs to feature karst topography, water quality, and natural cycles with activities targeted from preschool to high school ages.

EE Blitz! presenters:

- Missouri State University—BSFS
- Missouri Conservation Department
- Missouri Master Naturalists—Springfield Plateau Chapter
- Watershed Committee of the Ozarks—The Watershed Center
- Greater Ozarks Audubon Society-GOAS
- City of Springfield—Department of Environmental Services
- Springfield - Greene County Parks Board—Outdoor Initiatives Community Recreation
- Springfield - Greene County Library
- Green Leadership Academy for Diverse Ecosystems—our own Hailey Holmden, GLADE 2012 graduate, presented the papermaking activity and recruited her sister to help—Now that's leadership!

BSFS Recollections

BSFS recollections: the early years

Bull Shoals Field Station started as an idea after a biology faculty meeting in 1996. Lynn Robbins and his students had been doing research in the Drury-Mincy Conservation area and Larry Houf with Missouri Department of Conservation (MDC) suggested that maybe we could fix up the old Drury house and use it. I recall that several of us thought this was a good idea and suggested that we could establish a field station there. With the encouragement of department head Wilkinson, I drafted a letter to Jim Baker, who was the assistant for then-president Keiser. Jim was supportive and made many helpful suggestions. Our *ad hoc* committee was hugely helpful as we discussed ideas and articulated why a field station would be beneficial to not only our department, but also to the university as whole and to the general public. With Keiser's blessing, the board of governors approved a budget in 1997. But we faced a big bureaucratic hurdle: the land for our future station is owned by the US Army Corps of Engineers (COE) and the surrounding land owned by MDC. After 2½ years of letters and seemingly-endless meetings, MDC and COE administrators signed off on a cooperative agreement. In 1999, I was appointed the first director of the (S)MSU Bull Shoals Field Station.

The next three years were a flurry of activity. With the help of research specialist Mike Dickerson, handyman Virgil Klint, research assistants, and countless faculty and student volunteers during spring workdays, we cleaned up the property and renovated the house. We survived a near miss from a tornado that took out some trees. Emmett Redd (Physics) and his brother restored an old generator to give us our first generation of electricity. Alexander Wait put together the weather station. We started some grant-funded research on the lake, mapped field sites and put them into a GIS, developed some databases, and established our web site. Open house events introduced BSFS to the neighbors. We started to get some class usage, but that didn't really take off until Janice Greene took over as the second director in 2002. By then I was ready for a sabbatical and happy to see that someone with fresh ideas could take the next step forward.

John Havel
January 2013

Volunteers at BSFS

As volunteers with the Springfield Plateau Chapter of the Missouri Master Naturalists, our capstone project was a lichen survey at Bull Shoals Field Station under the direction of Celeste Prussia. That was a very enjoyable experience and we continue to pursue lichen projects at the Field Station.

Through Celeste's mentoring and instruction, we have been able to expand our knowledge to the point that we are now presenting lichen programs to schools and other organizations.

The opportunity to watch and participate

in the transformation of Bull Shoals Field Station to a facility that accommodates research and many educational opportunities has been exciting. Our association with the Field Station has enabled us to take advantage of many of the additions and improvements including the classroom, lab and research space and outdoor pavilion.

We are fortunate to benefit from this exceptional educational facility.

Darrell & Pat Blech
Missouri Master Naturalists
Springfield Plateau Chapter

A Supporter Who has Never Been to BSFS Speaks Out

Recently I was contacted by a teacher involved with the Bull Shoals Field Station who asked about my experiences while a student at the Field Station and what about them led me to make contributions to the BSFS.

I told her that, unfortunately, I had had no experience with the field station. My Biology Department field experiences dramatically pre-dated the Field Station. I was an undergraduate student there from 1965-1969 and received my MA degree in Biology in 1970. We had nothing like the Bull Shoals Field Station and would have loved to have a study site like it available to us. Research was in the lab or, literally, in the field. During longer trips to the swamps of Southeast Missouri or Ocean Springs, Mississippi, we were able to stay in dorm-like facilities. Otherwise we returned to Springfield at the end of the day, or spent the night in tents. I remember one particularly miserable long stormy weekend in tents, trying to prepare food and sleep with an inch of rain inside the tents.

Which leads me back to question of contributions that I've made to the field station. The education I received at (at that time) Southwest Missouri State College provided me with the tools I needed to build a successful career in the pharmaceutical industry. When I read in the BSFS newsletter that they were looking for a microwave and dinnerware, I was more than happy to provide them. I also donated an unasked for CD player because women and men do not live by bread alone. Especially on a student's shoe-string budget. The money it cost me was insignificant; the satisfaction it gave me greatly overrode the cost.

It occurs to me that there may be other ex-students reading this newsletter who would like to have an opportunity to contribute. I am one of those people who do not like to give a cash donation to a general fund. I like to know exactly where my money is going. The thing that the staff of BSFS did to get my attention was to provide a target list of things that were needed. Perhaps they'll do so again [need a new net? Dissecting kits?]. If they do, perhaps all of those previous students who were able to experience the Bull Shoals Field Station will be contribute to improve the station for the next generations of students.

Joe McMillian
Classes of '69 and '70



Pat and Darrell Blech at BSFS

BSFS Wish List

- Ken-A-Vision FlexCam iCam Digital Model 910-171-102— OR— Ken-A-Vision StudentCam Model 910-171-120 (digital camera for use with microscopes and projectors)
- Metal fire ring for Mincy House
- CD/ USB player and/or iHome speaker system for the evenings at the Drury House
- Blue-Ray DVD player and TV for videos for classroom or Drury House
- Mini-van or SUV to bring small groups to visit the station or for staff use travelling to environmental education trainings
- Volunteers to help with laying pavers and removing debris



Andre Bresson, Celeste Prussia, Tara Elmore, and Janice Greene (behind the camera) repair the fence around the weather station damaged by the elk herd in Drury Conservation Area

Friends of Bull Shoals Field Station

Are you interested in the protection of southwest Missouri's unique ecosystems? Do you have a love of the outdoors? Did you do field research as a student at MSU? Have you shared your excitement about nature with others? If you answer yes to any of these, then you're a perfect fit to be a **Friend of Bull Shoals Field Station**, a new organization to support research and education about the Missouri Ozarks.

Your membership donation will help support:

Undergraduate and Graduate Research Projects

- Funds for equipment purchases, supplies, and transportation to/from BSFS
- Summer stipends will eventually be provided as the funding builds

Education Projects

- Green Leadership Academy for Diverse Ecosystems (GLADE) – high school juniors and seniors
- Teacher workshops on resource education - Outreach for K-12 programs

Ongoing Research and Monitoring Projects

- Monitoring Avian Productivity and Survivorship (MAPS) – bird banding
- Water Quality Monitoring and more!

Members will receive the annual newsletter and the quarterly updates. Members will also receive an invitation to a Biennial Field Station Celebration to highlight our programs and celebrate the Ozarks. Sustaining members will receive periodic additional opportunities. Corporate members will be able to have their logo on BSFS publications.

Complete this form and return it to Janice Greene, Bull Shoals Field Station, Missouri State University, 901 S. National Ave., Springfield, MO 65897. Please, make checks payable to: Missouri State University Foundation.

Or—You can give online today at www.missouristate.edu/giving (enter Bulls Shoal Field Station in search bar).

Name _____ Phone _____

Address _____

City/State/Zip _____

Email address: _____

Membership Categories

- | | | | |
|------------|-----------------------|---------------------|-----------------------|
| _____ \$25 | Individual membership | _____ \$100 or more | Sustaining membership |
| _____ \$40 | Family membership | _____ \$200 | Corporate membership |