



Kettle Creek Environmental Education Center

Conservation Through Education

Spring 2015 Newsletter ~~~~~ Volume 39 No. 1

Monroe County Conservation District
8050 Running Valley Road
Stroudsburg, PA 18360
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Environmental Education 570-629-3061  
Website: mcconservation.org

## Introducing Brittney Coleman ~ Environmental Educator



nected. This is truly a great time to be alive – we have an incredible opportunity to gain a greater understanding of the planet we all share and make an effort to preserve it. To quote Jane Goodall, “What you do makes a difference, and you have to decide what kind of difference you want to make.”

When I am not working for the E.E. center, you can find me guiding whitewater river trips, instructing groups on a ropes course, caring for pets in the community, or out adventuring with my boyfriend and my pups. I also enjoy live music, landscaping, and vegetarian cooking.

I truly feel at home here at Kettle Creek Environmental Education Center. Can't wait to meet you all! ☆

Thank you to Kettle Creek Environmental Education Center for granting me this wonderful opportunity to educate and inspire, as well as to learn. I am so excited to be on board with such a terrific staff of naturalists that share my passion for the environment and making the world a better place for future generations. I can think of no better place where I would want to be right now.

I was born and raised in the Poconos by two of the most inspiring and hardworking people I know. My parents' reverence for nature has instilled in me my love of animals and commitment to conservation. I graduated East Stroudsburg University's Honors Program with a B.A. in Political Science with minors in Environmental Studies and Geography.

I have always seen the outdoors as my “playground” as well as my “classroom,” whether it be on the river, on a mountain, or in a meadow of wildflowers. I love to learn and create connections. What greater feeling is there in life than to look around and feel in harmony with everything around you? We must all co-exist on this small planet – humans, animals, plants – everything in nature is sacred and intercon-

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### **Monroe County Conservation District Board of Directors**

Mark Sincavage, Chairperson  
Patrick Ross, Vice-Chairperson  
Heidi Secord, Treasurer  
Joseph Hanyon, Esq., Secretary

Paul Canevari  
David W. Moyer

Charles A. Garris, Commissioner

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John K. Leiser, Ph D., John Lyman, P.E.,  
Theresa Merli, Edith Stevens,  
Janet Weidensaul

### **District Staff**

Craig Todd, District Manager  
Orianna Roth Richards  
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Drew K. Wagner, P.E.,  
Michael J. Wilk, P.E.  
Hydraulic Engineers  
Matthew Giambra, John Motz  
Resource Conservation Specialist  
Steven Baade  
Resource Conservationist  
Patricia Attardo  
Watershed Specialist  
Roger Spotts, Environmental  
Education Coordinator  
Karen N. Boyle, Brittney Coleman,  
Brian Hardiman, Darryl Speicher  
Environmental Educators  
Barbara Bistras  
Administrative Coordinator  
Alesia Gallo, Debra Martin  
Office Assistant Senior  
Robert Gubitosi, Groundskeeper

The Board of Directors' monthly meeting is held at 8 a.m. on the third Thursday of each month in the District office.

### **Kettle Creek Environmental Fund Update**

Winter is in full swing with snow and cold, but the KCEF Board is looking forward to much better weather for the 24<sup>th</sup> Annual Dinner/Auction on Friday, May 29, at Camelback. Requests for sponsors have been mailed, invitations are printed and being readied for mailing and solicitation of auction items has begun. By May 29, the snow and cold will be forgotten and attention will focus on another successful fundraiser.

Due to last year's success, the Board is pleased to have again been able to fund the "Wish List" of projects submitted by the EE Center Staff. This year's list includes the Envirothons, Conservation Camp, Bug Fest, cost-share for 1<sup>st</sup> grade programs in the Stroudsburg School District, 4<sup>th</sup> grade wetland units for all four Monroe County School District and habitat units for Pocono Mountain and East Stroudsburg 3<sup>rd</sup> grades. Funding for the "Wish List" is possible due to the generosity of our sponsors, bidders and all those who donate auction items.

The KCEF Board is currently seeking several new members, and interested individuals should submit names and a brief bio for consideration.

It's hard to believe that we've been at this for 24 years, but since

its inception, KCEF has raised over \$750,000 to support the programs and activities of the Kettle Creek Environmental Center. Thank you to all who have made this success possible and we look forward to seeing you on May 29!

For more information, to purchase dinner tickets or to donate auction items (deadline is Monday, May 11, 2015), please call the KCEF at (570) 629-3060 between 8 a.m. and 4:30 p.m., Monday through Friday. Visit our website at [mccconservation.org](http://mccconservation.org) to download auction/raffle forms. See you there! ☆

John Woodling, KCEF, President

## **24th Annual Dinner/Auction May 29, 2015 Camelback**

### **KCEF Board Members**

John Woodling, Pres.  
Alan Price Young, Vice-Pres.  
Thomas Felver, Treas.  
Jeffrey Wright, Sec.  
Joseph Bedrick  
Tim Brooks  
Patrick Calpin  
Charles Cilurso  
Tim Fisher, II  
Kara Klaus-Major  
John Reilly  
John J. Riley

**Monroe County  
Municipal Waste Management Authority's  
E-Cycling Event**

**When: April 25, 2015 ~ 9 a.m. to 1 p.m.**  
**Where: Monroe Co. Conservation District**

**For a list of accepted items, visit:**  
[www.mccconservation.org](http://www.mccconservation.org)



## Ready...Set...Fish!

After a long winter of purchasing new gear, tuning our rods, and watching countless videos of lucky anglers landing big catches, we eagerly anticipate the opening day of trout season, a holiday to many outdoorsmen. For the first time ever, the PA Fish and Boat Commission has dropped the price of the 2015 annual fishing licenses by \$1.00 to draw the attention of new and returning anglers. The U.S. Fish and Wildlife Service estimates that 850,000 licenses are sold annually in Pennsylvania, and as many as 250,000 individuals who have fished in the past skip a year or more before purchasing their next license. Whether an avid angler, a seasonal veteran, or new to the sport, we are all united by the joy of wading through a stream or walking through the woods to get to our lucky fishing hole. Just don't ask where that is, exactly. Monroe County trout season begins on April 18 at 8 a.m., so grab your gear and go land a big one. ☆

## A Horse is a Horse, Of Course

As much as we love our horses, and there are over 200,000 in Pennsylvania alone, they are a bunch of outlaws. If not for the diligence of their owners, they'd all be in jail. The Pennsylvania Clean Streams Law requires manure management and erosion control on all horse operations. In late 2014, the Blair County Conservation District released a 19-minute video to inform horses and their keepers about the regulations. The "Overview of PA Clean Streams Law for Horse and Stable Owners" shows how equine operators from across the state manage pastures, collect and store

manure, and properly keep manure management records. It's way more fun than reading regulations! If you have trouble finding it on the internet, call the District and ask for Matt. ☆

## To Garden, or Not to Garden?

If you have been gazing out the window all winter, longing for spring, take control of your gardening self and lay out your beds or shop for seeds or some new equipment. Studies have shown that maintaining your own garden helps to control urban temperatures, reduce stormwater runoff, and reduce the amount of food waste that ends up in our landfills, as well as maintain mental acuity and physical health. Gardening also gives the consumer more control over the quality of their food.

The next best thing to growing your own is becoming a CSA (Community Supported Agriculture) member. CSA members pay farmers early in the growing season, when cash is typically flowing away from farms, in exchange for a share of the farm's products throughout the harvest season. CSA shares are usually picked up at the farm, and may contain vegetables, fruits, eggs, baked goods, meats, cheeses, flowers or other farm products. For a CSA near you, go to [www.localharvest.org/csa](http://www.localharvest.org/csa). ☆

## Attention, Budding Environmental Scientists!

**Application deadline: April 5, 2015** for the Drexel Environmental Science Leadership Academy (DESLA), August 2-6, 2015, Lacawac Sanctuary, Lake Ariel, Pa.

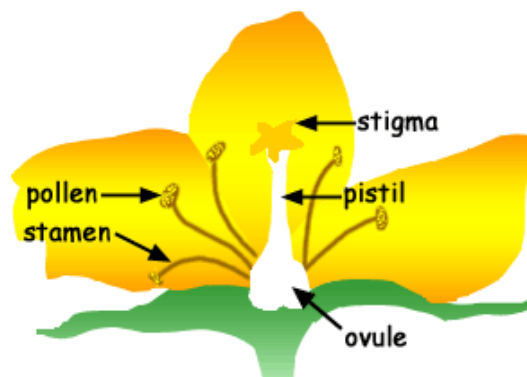
Open to high school students who will be juniors or seniors in September 2016. Part adventure travel, part leadership training, and mostly an awesome environmental science field experience, led by Drexel professors and expert scientists from the Academy of Natural Sciences. Through a combination of classroom learning and lots of hands-on experience, students will gain a broad understanding of what it means to be an environmental scientist and what it takes to be a leader in the field. Tuition is \$1500. Students who complete DESLA and enroll at Drexel will receive a \$2000 renewable scholarship. Application requirements include a 250-500 word essay that addresses, "Why are you interested in DESLA and what do you hope to learn/gain by attending the program?" Don't let the essay scare you – there are over 160 words in this paragraph. For more information, go to <http://drexel.edu/bees/academics/academy>. ☆

## Clear Visioning

"We believe in the future of agriculture and in developing an appreciation of the agricultural sciences along with developing a responsibility for improving, preserving and managing the earth's natural resources." You'll never guess, so we'll tell you. It's the Vision of the W.B. Saul High School in Philadelphia, home of one of the largest FFA (Future Farmers of America) chapters in the country. Who knew there were agricultural high schools in some of the largest U.S. cities? That the largest population centers with the least remaining fertile soil are educating future farmers is at first incongruous, then fitting, and finally encouraging, very encouraging. ☆



# Kid's Niche: A Plant's Life



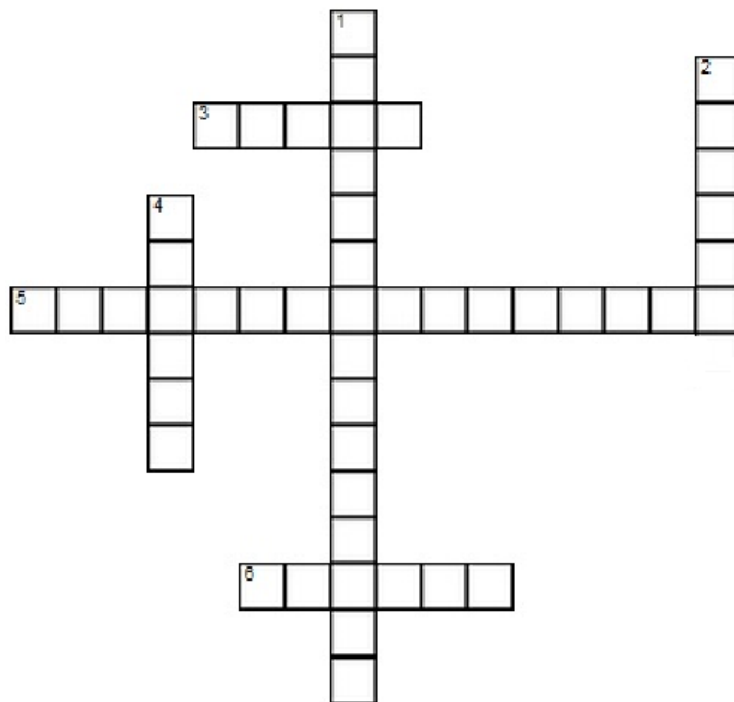
As the end of winter arrives the weather gets warmer, you start to hear the sounds of birds and crickets Chirp! Chirp! Chirping! You know spring has arrived.

Spring is the season when the plants start to pollinate, which is important because plants produce new seeds that help give us plants. You're probably wondering how does pollination actually work? Take a flower for example, it has many different parts which are important in pollination. A flower has a male and female part. The male part is called the **stamen**, which produces the pollen. The female part is know as the **pistil**, and the pistil has a top and bottom part. The top part is called the **stigma** which is sticky. The bottom part is called the **ovule**, which is where the seeds are formed.

For plants to be pollinated, the pollen has to move from the stamen to the stigma. If the pollen from the same plant is moved to the stigma, it is called **self-pollination**. When the pollen from one plant is moved to another plant, it is called **cross-pollination**. One thing to remember is that the plants have to be the same species. An example would be a daisy can only pollinate another daisy.

Now you're probably wondering how do other plants get pollinated? Plants usually rely on animals and wind to pollinate themselves and other plants. Hummingbirds, bees, butterflies and moths are some of the common animals that help pollinate plants. Usually the animals go to the plant to get food for themselves. As they are getting the food the sticky pollen gets stuck on them. As they move to another plant to get food the pollen rubs off into the plant which pollinates the plant. The way wind pollinates is that the wind picks up pollen from one plant and transfers it to other plants.

Pollination is an important part for our environment, it helps give us new plants, which give us the oxygen that we breathe. ☆



| Across                                                                          | Down                                                                            |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| 3. _____ is where the seeds are formed.                                         | 1. As the pollen from the same plant is moved to the stigma, it is called _____ |
| 5. When the pollen from one plant is moved to another plant, it is called _____ | 2. _____ produces pollen                                                        |
| 6. The top part is called the _____ which is sticky                             | 4. the female part is know as the _____                                         |

Answers: 1. self pollination 2. stamen 3. ovule 4. pistil 5. cross pollination 6. stigma

Source: Unknown, . "Pollination." *Biology of plants*. Missouri Botanical Gardens, 2009. Web. 7 May 2012. <<http://www.mbgnet.net/bioplant/pollination.html>>.

## Head Resource Conservationist Orianna Richards to Retire



Orianna Richards has been the Head Resource Conservationist with the Monroe County Conservation District for 26 years. At some time in 2015, after a qualified person has been hired, she will retire. This will not be an easy thing to do; the job has changed so much over the years. It seems as though only Orianna can do it. We know that isn't true but we like to think that it is.

She started at the same time that Craig Todd became District Manager. Orianna had been working for an engineering firm as a wetlands consultant, while Craig had experience with the District's programs as a naturalist and an erosion control technician. Together they would spend a quarter of a century diligently working to fulfill the Conservation District's mission of conserving our soil and water resources while trying to improve the permitting process without compromising that mission.

In the late 1980s and 1990s Monroe County was undergoing rapid residential development. This develop-

ment was often at the expense of our water resources. Although federal and state laws required wetland protection and permitting for impacts, without any regulatory oversight they were nonexistent in Monroe County. With her experience as a wetlands biologist Orianna anticipated spending more time in the field. She found however that her job would become one of educator. By working with municipal governments, realtors, developers, the Army Corps of Engineers and the US Fish and Wildlife Service, the Conservation District was able to get wetland protection measures established in municipal zoning and land development ordinances so that compliance with state and federal law is now institutionalized at the local level.

While Monroe County was working on protecting wetland resources a growing body of evidence showed that increases in impervious surfaces (pavement and roof tops) within a watershed corresponded to decreases in water quality and quantity. This knowledge would lead to changes to the existing NPDES (National Pollution Discharge Elimination System) permitting program to account for storm water runoff from impervious surfaces after projects were completed. Known as NPDES Phase II, it would put Monroe County and our designated Special Protection watersheds in the cross hairs of a regulatory firestorm. Craig and Orianna, recognizing the Conservation District's unique position as the interface between regulatory agencies at the state and federal level and the regulated community, looked for a mechanism by which they could continue to fulfill our mission while accounting for the new permit requirements. They thought they had found it with an update to the Act 167 Stormwater Management Plan for the Brodhead Creek and McMichael Creek watersheds. This corresponded with a pilot study in partnership with the Delaware River Basin Commission on the Pocono Creek to establish a watershed-scale management plan that would consider impacts from develop-

ment so that we can still maintain special protection status, water quality, quantity and ecological function at projected build-out per municipal zoning. The Delaware River Basin Commission (DRBC) found that the updated model stormwater ordinance adequately addressed the DRBC special protection regulations, which meant that projects located in municipalities that adopted the model ordinance would not have to submit a separate application to DRBC. The framework now existed for Monroe County to approach the state DEP about a general NPDES permit for the entire county to speed up the approval process in state-recognized special protection waters. The process was supplanted by parallel pressure exerted by the regulated community on DEP. The constantly changing requirements of the NPDES program have meant that Orianna has spent far less time in the field and far more time processing permit applications.

The pressures of the position have been stressful but Orianna's dedication to the Conservation District's mission has kept her going. Over the years she has enjoyed the camaraderie and mutual respect of her coworkers. She looks forward to spending more time with her husband Bob, working on the farm, writing about her experiences, and playing the fiddle.

If someone asked us to describe Orianna in one word it would be integrity. She treated everyone with respect even in the face of misdirected resentment. When asked what she expected when she came to the District 26 years ago she responded, "I expected to use my education and experience to conserve soil and water resources, which I had been doing as a consultant. The big difference was, my employer would no longer be profiting from my work." We would disagree with this statement. As a dedicated professional every resident of Monroe County profited from Orianna's work. Thank you Orianna for all that you have done as Head Resource Conservationist. We'll miss you. ☆

## ESU Interns Rock!



**Standing (L-R):** Wenyue Chen (Ben), Wei Li (Victor), Xiaoyang Qin (Klein), Zhaxi Cairang (Tashi), Cheng Zhu (Matthew), Yinqing Ma (Yin-ching). **Front (L-R):** Jingling Hu (Jenny), Xingkong Ma (Aileen).

We are old, they are young. We are technology-challenged, they are savvy. We speak with our outside voices, they are soft-spoken. We are American, they are Chinese. Amidst this sea of contrasts between District staff and graduate students from the East Stroudsburg University (ESU) Department of Geography has emerged a product that any level of government would envy. The students have created a spatial database of permanent stormwater BMPs (best management practices) that, by law, must be maintained in perpetuity. By clicking on a map of the county, we can see where these BMPs are located, and then we can dive into the details: purpose (rate, volume or water quality control), dimensions, and operation and maintenance schedules. Since September 2014, the students have mapped 19 projects. Even more significantly, they have developed a process that District staff will be able to use after being trained by the students. This will allow us to track new BMPs as they are approved and provide this information to cooperating agencies and future property owners.

While Dr. Shawn Hu and Dr. Jeff Hardy of ESU attended most of our initial meetings, the students quickly took ownership of this project and organized themselves into teams until they could fly solo. Yinqing Ma emerged as the group spokesperson, which honed his considerable English language skills. There's no doubt that we learned as much as the students, about grace and respect as well as geography. ☆

## 41st Conservation Camp for Ages 14 - 2015 High School Graduates

Are you interested in Pocono Wildlife, how about archery or fishing? If you enjoy the out-of-doors then Conservation Camp is for you! The 2015 Monroe County Conservation Camp is being held from Saturday, July 18, 2015 through Saturday, July 25, 2015. Generously supported by the Kettle Creek Environmental Fund and numerous service organizations, conservation camp is a residential camp for students **ages 14 through this year's high school graduate**. The intensive schedule of classroom and hands-on instruction covers many aspects of the conservation and natural resource fields. One highlight of the week is an overnight canoe trip on the Delaware River.

Conservation Camp is held at Stony Acres, a 119-acre Wildlife Sanctuary/Recreational Facility owned by the students of East Stroudsburg University in Marshalls Creek. Cost: \$200 per student, which includes a \$75 application fee and \$125 camp fee. The application fee must be paid by the student and must accompany a completed application form. The \$125 camp fee may be paid by either the student, a sponsoring organization, or through a scholarship. **Scholarships are available each year upon request.** For application forms and more information, contact the Monroe County Conservation District at 570-629-3061, Monday through Friday from 8 a.m. to 4:30 p.m., or visit our website at [www.mcconservation.org](http://www.mcconservation.org). ☆

## Century Day

On Saturday, May 16, Roger Spotts and Darryl Speicher are teaming up to run the annual Century Day birding extravaganza, as they take the Kettle Creek EE Center bus all over Monroe County in search of 100 species of birds. The bus will leave the Kettle Creek Wildlife Sanctuary at 7 a.m. and will not return until 7 p.m. In between they will visit birding hotspots from the Delaware Water Gap National Recreation Area to the Cherry Valley and the Pocono Plateau, all in an attempt to find as many birds as possible. Cost: \$65/non-member, \$50/member. Includes lunch, beverages and snacks throughout the day. Pre-registration is required and the deadline is Friday, May 8. ☆

## KETTLE CREEK ENVIRONMENTAL EDUCATION CENTER PUBLIC PROGRAMS

### MARCH

**Building Open 9 a.m. - 1 p.m. - 14 - Saturday**

**Mystery Birding Field Trip - 20 - Friday** - Join Environmental Educator Brian Hardiman on this popular birding adventure where the destinations and target species are not revealed until the day of the trip. Pre-trip scouting and local reports will determine where we go in order to see the best avian goodies. One of the mystery birds from last year's trip was a *Snowy Owl!* Meet at the EE Center at 8:30 a.m. and return 5:30 p.m. Cost: \$24/non-member, \$18/EE Center member and includes bus transportation. Participants should pack a lunch and dress for the weather. Stops will be made for coffee and snacks. **Pre-registration and payment is required and limited. Refunds will be given only if notification is made at least one week prior to the trip.**

**A Chickadee's Life - 21 - Saturday** - Join Dr. Amber Rice from Lehigh University as she shares her intimate knowledge of perhaps our favorite back yard bird species the Black-capped chickadee. The southern cousin of our chickadee the Carolina chickadee has been moving north and is now found in the Lehigh Valley. Dr. Rice's research delves into the lives and loves of the chickadee as hybridization occurs among these two closely related species. This 1-hour program begins at 10 a.m. Cost: \$5/non-members, \$3/children under 12. **EE Center members free.**

**Building Open 9 a.m. - 1 p.m. - 28 - Saturday**

**Fly Fishing - 28 - Saturday** - Join several members of the Brodhead Chapter of Trout Unlimited for an introductory program on fly fishing. Equipment, casting, strategy, fly-tying, basic trout stream macro-invertebrate entomology, and local fishing areas will be covered and demonstrated. A film, slide program and several raffles are included with admission. The 3-hour program will run from 9 a.m. - 12 noon. Cost: \$8/non-member; \$5/EE Center member and children under 12. **Please contact the EE Center at (570) 629 - 3061 to register. Pre-registration is required by Friday, March 27, 2015.**

**"Signs of Spring on the Quiet Valley Farm" - 28 - Saturday** - please see page 11 for more information.

### APRIL

**Woodcock Watch - 1 - Wednesday** - *Timberdoodle*, *Bogsucker*, and *Big Eye* are some of the strange nicknames given to the equally strange American Woodcock. Join Environmental Educator Brian Hardiman for this 1 ½ hour program where you will learn about the life history and amazing courtship displays of this fascinating and entertaining bird. Meet at the EE Center at 6:30 p.m. for a brief classroom presentation before traveling to the Tannersville Bog area to observe the woodcock's lovesick antics. Cost: \$5/non-member, \$3/children under 12. **EE Center members free.**

**Home School Program - Topic: April Showers - 2 - Thursday** - please see page 12 for more information.

Holiday - Building Closed -3 - Friday

Building Closed - 4 - Saturday

**Building Open 9 a.m. - 1 p.m. - 11 - Saturday**

**"Step Into Spring " With the Master Gardeners - 11 - Saturday** - Penn State Monroe County's Master Gardeners Workshop will be held from 9:30 a.m. -12:30 p.m. at the E. E. Center. Main offerings will include such topics as: "Gardening Smarter Not Harder", "Tree Pruning Essentials", "Square Foot Gardening", and "The Pollinator Friendly Garden". A compost bin will be awarded to one lucky winner. Pre-registration preferred. Call: Monroe County Penn State Extension Office: 570-421-6430 between 10am-4pm for registration instructions. Cost: \$20/pre-registration, \$25/not pre-registered (no credit cards at the door). **Cancellation Policy: There will be a full refund if the workshop is cancelled by the Monroe County Master Gardeners.**

**Art Opening - Melissa Benzinger - "Dancing Vulture Designs" - 11 - Saturday** - please see page 12 for more information. **Opening Reception: 11 a.m. - 1 p.m.**

**Early Spring Bird Walk - 18 - Saturday** - Bird migration is just getting underway at this time...join Environmental Educator Brian Hardiman for a leisurely stroll along the Kettle Creek trails searching for spring arrivals like phoebes, gnatcatchers, warblers, broad-winged hawks, and more. This 2 - hour walk begins at 9:30 a.m. Cost: \$5/non-member; \$3/children under 12. **EE Center members free.**

**Monroe County Conservation District Rain Barrel Sale - 25 - Saturday** - please see page 9 for more information.

**Monroe County Municipal Waste Management Authority Holds E-Cycling Drop-Off Event at the Kettle Creek EE Center in Bartonsville - 25 - Saturday** - please see page 2 for more information.

### MAY

**Birding By Ear - 2 - Saturday** - Join Environmental Educator Darryl Speicher from 10 a.m. - 12 noon for a walk along the trails of Kettle Creek learning how to identify birds by the sounds they make. Pack a lunch and enjoy listening to the birds from the deck. Cost: \$5/non-member, \$3/children under 12. **EE Center members free.**

**Long Pond by Kayak/Canoe" 9 a.m. - 3 p.m. - 2 - Saturday** - The Tunkhannock Creek flowing through Long Pond is a fascinating waterway that is like paddling through the Canadian Wilderness. Join EE Coordinator Roger Spotts for this leisurely paced 6-mile paddle. Participants must provide their own canoe or kayak, paddles, and life jackets also lunch and something to drink. **Pre-registration is required and limited by Friday, April 24.** Cost: \$15/non-member, \$10/E. E. Center member or children under 12.

**Art Opening - Marlana Holsten/James Chesnick - "Nature Up-Close and Personal" - 2 - Saturday** - please see page 12 for more information. **Opening Reception: 11 a.m. - 1 p.m.**

**Birding the Bog at 7 a.m. - 5 - Tuesday** - Combine one of the most unique natural settings with one of the most spectacular natural phenomenon's and you get a morning of migration birding at the Bog. Cost: \$6/non-member, \$4/EE Center or Nature Conservancy members and children under 12. **Pre-registration is required. Directions:** Route 611, at the light at the Tannersville Inn turn onto Cherry Lane Road. The parking lot is 1.9 miles on your right from Route 611.

**Public Bog Walk - 6 - Wednesday - Public Bog Walk - 6 - Wednesday** - Guided walks in the bog are held each Wednesday through June 3 and begin at 1 p.m. Public walks are open to anyone, while private walks for organizations and school groups are scheduled on request. Meet at the Bog parking lot. Cost: \$6/non-member, \$4/EE Center or Nature Conservancy members and children under

Continued on next page

\*Pre-registration is suggested for all programs offered. For more information, or to register, please call the Center at 570-629-3061, Monday - Friday 8 a.m. to 4:30 p.m. and most Saturdays from 9 a.m. to 1 p.m. or visit our website [www.mccconservation.org](http://www.mccconservation.org).

## KETTLE CREEK ENVIRONMENTAL EDUCATION CENTER PUBLIC PROGRAMS

### MAY Cont'd

12. Please wear appropriate footwear. Each walk lasts approximately 2 1/2 hours and explores the floating boardwalk and surrounding area. **Pre-registration is required for all walks.** **Directions:** Route 611, at the light at the Tannersville Inn turn onto Cherry Lane Road. The parking lot is 1.9 miles on your right from Route 611.

**Home School Program - Topic: Spring Migration - 7 - Thursday** - please see page 12 for more information.

**"Spring Bird Migration at the Quiet Valley Farm" - 9 - Saturday** - please see page 11 for more information.

**Spring Surprises - 9 - Saturday** - Join Environmental Educator Karen N. Boyle for a spring walk at 10 a.m. on the trails at Kettle Creek. We'll investigate all of the spring "happenings". Cost: \$5/non-member, \$3/children under 12. **EE Center members free.**

**Public Bog Walk - 9 - Saturday** - Join an Environmental Educator at 2 p.m. at the Bog parking lot for a 2 1/2 hour journey into the Bog. Please wear appropriate footwear. Cost: \$6/non-member, \$4/EE and Nature Conservancy members and children under 12. **Pre-registration is required.** **Directions:** Route 611, at the light at the Tannersville Inn turn onto Cherry Lane Road. The parking lot is 1.9 miles on your right from Route 611.

**Birding the Bog at 7 a.m. - 12 - Tuesday** - Full description please see 5/5. Pre-registration required.

**Public Bog Walk - 13 - Wednesday** - Full description please see 5/6. Pre-registration required.

**Century Day - 16 - Saturday** - please see page 6 for more information. **Pre-registration deadline is Wednesday, May 13. Pre-registration and payment are required and limited. Refunds given only if notification is made at least three days prior to the program date.**

**Salamander Hunt - 16 - Saturday** - Join Environmental Educator Brittney Coleman for this family oriented program from 10-11:30 a.m. as we search the grounds of Kettle Creek Wildlife Sanctuary on our quest to find salamanders. Learn about these complex and elusive amphibians and where they like to hide. Dress to be outside! Cost: \$5/non-

member, \$3/children under 12. **EE Center members free.**

**Public Bog Walk - 17 - Sunday** - Join an Environmental Educator at 1 p.m. at the Bog parking lot and take a 2 1/2 hour journey into the Bog environment. Please wear appropriate footwear. Cost: \$6/non-member, \$4/EE and Nature Conservancy members and children under 12. **Pre-registration is required.** **Directions:** Route 611, at the light at the Tannersville Inn turn onto Cherry Lane Road. The parking lot is 1.9 miles on your right from Route 611.

**Birding the Bog at 7 a.m. - 19 - Tuesday** - Full description please see 5/5. Pre-registration required.

**Public Bog Walk - 20 - Wednesday** - Full description please see 5/6. Pre-registration required.

**Josie Porter Farm Meanderings - "Spring Wildflowers" - 20 - Wednesday** - please see page 11 for more information.

Building Closed - 23 - Saturday

Building Closed - 25 - Monday

**Public Bog Walk - 27 - Wednesday** - Full description please see 5/6. Pre-registration required.

**A Nightjar Evening - 27 - Wednesday** - Join Environmental Educator Brian Hardiman on this search for the mysterious whippoorwill and its relative, the common nighthawk. Meet at KC at 7 p.m. for an introduction on these members of the nightjar family before traveling to locations where these birds may be seen and heard. Cost: \$15/non-member, \$10/EE Center member, and includes bus transportation. Return time is approximately 10 p.m. **Pre-registration and payment is required and limited. Refunds will be given only if notification is made at least one week in advance.**

**KCEF Dinner/Auction - 29 - Friday** - please see page 2 for more information.

**Take a Dip in the Pond - 30 - Saturday** - Join Environmental Educator Brian Hardiman for a dip in the Kettle Creek pond - using dip nets, that is. We'll be catching and learning about tadpoles, salamanders, and other interesting aquatic animals in this hands-on, fun-for-the-entire-family program...and be prepared to get wet and muddy! This 2-hour program starts at 10 a.m. Cost: \$5/non-member, \$3/children under 12. **EE Center mem-**

**bers free.** Closed-toe footwear required.

### JUNE

**Public Bog Walk - 3 - Wednesday** - Full description please see 5/6. Pre-registration required.

**Home School Program - Topic: Macro-invertebrates - 4 - Thursday** - please see page 12 for more information.

**Building Open - 9 a.m. - 1p.m. - 6 - Saturday**

**Art Opening - Deborah Lacey - "Economical Creations" - 6 - Saturday** - please see page 12 for more information. **Opening Reception: 11 a.m. - 1 p.m.**

**Public Bog Walk - 6 - Saturday** - Full description please see 5/9. Pre-registration required.

**Canoe/Kayak Trip at the Bog - 11 - Thursday** - Join us on a paddling trip into the Bog Preserve on Cranberry Creek. The program lasts 3-hours. Participants are required to provide their own kayak or canoe. Meet at the Bog parking lot at 10 a.m. Cost: \$6/non-member, \$4/EE Center or Nature Conservancy members and children under 12. **Pre-registration is required.**

**Raptor Field Trip - 12 - Friday** - The recovery of bald eagle, osprey, and peregrine falcon populations has been nothing short of remarkable. Join Environmental Educator Brian Hardiman on this field trip where we will be observing these locally breeding species and learning about their dramatic comeback. Meet at KC at 8:30 a.m. and return 5 p.m. Cost: \$24/non-member, \$18/EE Center member, and includes bus transportation. Participants should pack a lunch and binoculars. **Pre-registration and payment is required and limited. Refunds will be given only if notification is made at least one week in advance.**

**"Something Fishy" 10 a.m. -12 noon - 13 - Saturday** - Join EE Coordinator Roger Spotts for a family oriented program on the fish that live in the ponds at Kettle Creek. We will learn about their life histories, and then follow up with a visit to a pond with the opportunity to go fishing catch and release only. Participants must bring their own fishing equipment, bait will be provided. Pre-registration is suggested. Cost: \$5/non-member; \$3/children under 12. **EE Center members free.**

\*Pre-registration is suggested for all programs offered. For more information, or to register, please call the Center at 570-629-3061, Monday - Friday 8 a.m. to 4:30 p.m. and most Saturdays from 9 a.m. to 1 p.m. or visit our website [www.mccconservation.org](http://www.mccconservation.org).



# Water Ways



## Rain Barrel Art on Public Display

This winter, twenty local artists and community groups joined the challenge to paint unique pieces of art onto the cylindrical canvas of a rain barrel. The colorful designs, as varied as the ages of the artists, convey the message that water is precious and worthy of conserving and protecting. Rain barrels help to prevent water pollution and are a handy water conservation tool. They collect roof runoff for outdoor uses, such as watering plants, washing the car, or washing windows.

You may view all twenty barrels in our art gallery until the end of March. Beginning in April, the decorated rain barrels will be installed for public display at various homes, businesses, and public facilities in the Boroughs of Delaware Water Gap and Mount Pocono. Visit [www.mcconservation.org](http://www.mcconservation.org) in April for a link to a map to conduct a self - guided tour of the rain barrels. You will be amazed by the creativity and variety of these functioning works of art.

“Retain the Rain” is a community art project of the Monroe County Conservation District, in partnership with the Pocono Arts Council, the Pocono Mountain Arts Council, the Monroe Career and Technical Institute, the Brodhead Watershed Association, and the Boroughs of Delaware Water Gap and Mount Pocono. For more information, visit [www.mcconservation.org](http://www.mcconservation.org) or call 570-629-3060.

Financial and other support for this project is provided by the PA Association of Conservation Districts, Inc. through a grant from the PA Department of Environmental Protection under Section 319 of the Clean Water Act, administered by the U.S. Environmental Protection Agency. ☆



## MCCD 2015 Rain Barrel Sale Order Form

PICK-UP DATE: Saturday, April 25, 2015

TIME: 9 a.m. - 1 p.m. at MCCD

ORDER DEADLINE: Wednesday, April 15, 2015

### Rain Barrel Features:

- ◆ 58-Gallon, Repurposed, Food-Grade Plastic Barrel
- ◆ Terra Cotta Colored, once held olives
- ◆ 42 inches tall x 24 inches wide
- ◆ Bulk Head Style Fittings
- ◆ 2 Piece Screened Lid
- ◆ 2 Screened Overflows
- ◆ Neoprene Gaskets
- ◆ Brass Ball Valve Spigot (90° turn)
- ◆ Brass Bottom Drain
- ◆ No Adhesives used in Construction
- ◆ Fixtures are all garden-hose thread
- ◆ Non-Corrodible Materials
- ◆ Does not need to be hard fit
- ◆ May connect two barrels together via the bottom drain using a garden hose
- ◆ May swap the spigot with the bottom drain and elevate the barrel to maximize the available water
- ◆ Not included: downspout elbow or garden hose



**\$80**

**Mail Order and Check To:**  
 Monroe County Conservation District (MCCD)  
 8050 Running Valley Road  
 Stroudsburg, PA 18360  
**Checks made payable to: MCCD**

**Rain Barrel Cost: \$80.00/ea.**

X number of barrels: \_\_\_\_\_

**= Sub Total:** \_\_\_\_\_

**6% Sales Tax:** \_\_\_\_\_

**Total:** \_\_\_\_\_

**NAME** \_\_\_\_\_

**PHONE NUMBER** \_\_\_\_\_

**ADDRESS** \_\_\_\_\_

**CITY** \_\_\_\_\_ **STATE** \_\_\_\_\_ **ZIP** \_\_\_\_\_

# Summer Programs

## Kettle Creek for Kids (ages 4 - 9)

From June 23 - August 11, this program for young children will be held Tuesdays. **Ages 4-6:** 10 -11 a.m. Cost: \$5/non-member, \$3/EE Center member. **Ages 7-9:** 10-11:30 a.m. Cost: \$6/non-member, \$4/EE Center member.

## Camps at Kettle Creek

Our Summer camps at the EE Center offer a unique opportunity for kids to learn more about their natural world. In this time when children are spending less time outside these camps provide a multitude of learning opportunities under the guidance of trained professionals with years of experience. Hands-on activities combined with the resources of the EE Center provide a safe environment for a child interested in learning more about the Poconos.

## Nature Discovery Camp (ages 7 - 8)

**August 10 - 14 - \$60/non-member, \$45/EE Center member. Registration Deadline: August 1.** Explore all of the wonders that Kettle Creek Wildlife Sanctuary has to offer. Mon. - Fri. from 9 a.m. - 12:30 p.m.

## World Around Us Day Camp (ages 9 -11)

**July 13 - 17 - \$105/non-member, \$85/EE Center member. Registration Deadline: July 3.** Lessons and activities ranging from animal adaptations to identification and classification of plants. Mon. - Fri. from 8 a.m. - 3:30 p.m. and includes one day beginning at 3:30 p.m. including a campfire! (Includes 1 meal)

## Nature Scientists Camp (ages 11 - 13)

**August 3 - 7 - \$105/non-member, \$85/EE Center member. Registration Deadline: July 24.** Learn about the ways scientists studying natural

history collect and analyze data. Topics focus on forest, field and pond ecology, birds, reptiles, amphibians, insects, watershed monitoring and weather. Mon. - Fri. from 8 a.m. - 3:30 p.m.

## Cycles of Life Day Camp (ages 12 - 13)

**July 6 - 10 - \$125/non-member, \$105/EE Center member. Registration Deadline: June 26.** Learn in detail about ecosystems, how everything is connected and go off site for a field trip. Monday - Friday and includes an overnight at the EE Center! (Includes 3 meals)

## Adventure Camp (ages 12 - 14)

**June 22 - 26 - \$125/non-member, \$105/EE member. Registration Deadline: June 12.** Learning outdoor skills, participating in activities and going on day trips. Camp concludes with a two-day backpacking and camping trip in the Delaware State Forest. Monday - Friday from 9am - 4pm. (Includes 4 meals)

## Conservation Camp (ages 14 - 2015 HS Grad.)

Our Annual Conservation Camp, co-sponsored by Monroe County Conservation District, Monroe County Federation of Sportsmen's Clubs and funded by the Kettle Creek Environmental Fund, is scheduled for Sat., July 18 - Sat., July 25. This week-long residential program is held at East Stroudsburg University's Stony Acres recreational facility in Monroe County and is designed to provide various outdoor opportunities and environmental experiences for interested young people. Cost: \$75 application fee and a \$125 camp fee. Scholarships are available each year.

## Family Canoe/Kayak Trip (Families)

The Center is planning its 15th 2-day canoe/kayak trip on the Delaware River for Tue. & Wed., Aug. 18 - 19, 2015. The trip covers approximately 20 miles of the river from Dingman's Ferry to Smithfield Beach. We'll float at a leisurely pace and take time for river interpretation, swimming, fishing, bird watching and more. We'll

camp one night along the river in a designated campsite where we will cook over a campfire and explore the area with a night hike. Includes canoe rental, 4 meals, river interpretation and a good time! Cost: \$110/non-member, \$100/EE Center member & \$50/non-paddling children under 12.

## Public Bog Walks (Families)

**Wednesdays, June 10 - September 9 from 10 a.m. - 12:30 p.m.** we'll be leading walks through a very unique National Natural Landmark - the Tannersville Bog. Summer is an excellent time to explore the Bog and learn about this unique wetland. Cost: \$6/non-members, \$4/EE Center or Nature Conservancy members and children under 12. Meet at the bog parking lot on Cherry Lane Road. **Pre-registration is required.**

## Ninth Annual Monroe County Bug Fest (Families)

A festival celebrating insects from 10 a.m. - 3 p.m. on Saturday, July 11 - Displays, activities, games, live insects, nature walk, and puppet shows all day, all about insects! Cost: \$5/child ages 4 - 12.

## Butterfly Count

Help count butterflies at Kettle Creek Wildlife Sanctuary and the Tannersville Bog beginning at 9:30 a.m. - on Saturday, July 25, 2015. You'll become part of an ever-growing group of people who call themselves citizen scientists; regular folks who collect data for scientists. This event is for anyone interested in counting numbers and species of butterflies in our area for the North American Butterfly Association (NABA). Cost: \$5 of which \$3 goes to NABA to fund the nationwide count.☆



**For more information,  
please call our office.**

## Dear Members and Friends,

Change can be a good thing, and in the case of the Monroe County Conservation District and the EE Center changes are taking place. One of the things that has made the Conservation District successful in its role of conservation education is the consistency of our staff. Over the years the staff has remained committed to the District's overall mission of soil and water conservation, and with the experience of many years of service behind them the District's programs have grown tremendously. Change inevitably does happen and as the staff has aged retirements have occurred in the Technical as well as the Educational sections of the District. Anticipating these changes, the District Board and staff has been planning for the transition for a few years. We have taken the opportunity to restructure some of the positions and duties of the staff and we have hired a new group of staff to continue the programs and meet the ever changing needs of the Conservation District. We look forward to their new ideas, experiences, and knowledge. We encourage all of our members and friends to stop by and meet the staff and to look for more information on upcoming programs both new and old in the next few months. We are very grateful for your continuing support and we look forward to the future with much anticipation. ☆

### Monroe County Conservation District Board Members and Staff

The Kettle Creek Environmental Education Center in cooperation with the Quiet Valley Historical Farm and the Josie Porter Farm is offering the public a chance to explore these farms through a series of educational programs.

#### Quiet Valley Farm Interpretative Walks

**"Signs of spring on the Farm" - March 28 - Saturday - 2 - 4 p.m.** - We'll explore several areas of the farm and look for early spring flowers, wildlife happenings and more. Please dress to walk outside. The walk will begin in front of the Gift Shop at the Quiet Valley Farm.

**"Spring Bird Migration" - May 9 - Saturday - 7 - 9 a.m.** - Join us as we walk the trails and listen to and look for the wide variety of birds passing through on their annual journey. Please dress to be outside and bring binoculars.

**"Discovering the Farms Amphibians and Reptiles" - June 19 - Friday 1 - 3 p.m.** - Join us for an outdoor hike looking for various species of Herps that live in and around the farm. Any species discovered will be part of the PA Amphibian and Reptile survey conducted statewide. Please dress to walk outside.

**Cost:** \$5/non-members; \$3/members of the EE Center or Quiet Valley Farm. Pre-registration is suggested. Call 570-629-3061 to pre-register. Day of walks, Quiet Valley is offering a reduced entrance fee to the farm for walk participants.

#### Josie Porter Farm Meanderings

**"Spring Wildflowers" - May 20 - Wednesday** - Things are blooming everywhere as we focus on the many wildflowers on the property.

**"Breeding Birds" - June 17 - Wednesday** - The walk will focus on the birds that breed on the property.

**Each walk will meet at the Farm parking lot on Cherry Valley Rd. from 4-6 p.m. rain or shine. Cost:** \$5/non-members, \$3/EE Center or Community Supported Agriculture program members, children under 12 free. Pre-registration is suggested. All participants should wear comfortable walking shoes and dress to be outside. For more information or to pre-register please call the Kettle Creek Environmental Education Center at 570-629-3061 or the Josie Porter Farm at 570-992-0899. ☆

#### A Warm Welcome to our New Members:

Judith Angell, Lehighton  
Raymond Caswell, East Stbg.  
Dempsey-Coleman Family, Kresgeville  
Pat and Bob Famoso, Stbg.  
Kathleen Gubitosi, Brodheadsville

Harry Laubach, Saylorsburg  
N. A. Mikulski-Asciak, East Stbg.  
Lorraine Piel, Tobyhanna  
Stacy Rodriguez, Bushkill  
Denise and Bob Scalingi, Stbg.



Find us on:  
**facebook**®



**Monroe County  
Environmental Education Center**

DATE \_\_\_\_\_

**Make check payable to:**

**Monroe County Conservation  
District (MCCD)**  
8050 Running Valley Road  
Stroudsburg, PA 18360

|                                              |           |
|----------------------------------------------|-----------|
| <input type="checkbox"/> Student             | \$ 10.00  |
| <input type="checkbox"/> Individual          | \$ 15.00  |
| <input type="checkbox"/> Family              | \$ 30.00  |
| <input type="checkbox"/> Senior (65+)        | \$ 10.00  |
| <input type="checkbox"/> Organization        | \$ 50.00  |
| <input type="checkbox"/> Lifetime Individual | \$ 500.00 |
| <input type="checkbox"/> Lifetime Family     | \$ 750.00 |

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_

STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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STROUDSBURG, PA 18360  
TELEPHONE: 570-629-3060 FAX: 570-629-3063  
E-MAIL: monroecd@ptd.net  
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Conservation through Education ~ Spring 2015

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## 2015 Kettle Creek Art Gallery Schedule



**February 28 - March 30 - Rain Barrel Art - "Retain the Rain II"** - Rain barrels beautifully painted by local artists as part of a water education project. Get a first look at these functional works of art before they are installed for public display at local homes and businesses.

**April 1 - 29 - Melissa Benzinger - "Dancing Vulture Designs"** - Lured back to nature on the wings of the turkey vulture, Melissa is proud to share her love of wildlife! She strives to portray all manner of local wildlife in a mixed-media bonanza; needle-felted sculptures, fuzzy felted insects, shadow-boxes, wood-burnings, and more!  
**Opening Reception: Saturday, April 11, 11 a.m. - 1 p.m.**

**April 30 - June 1 - Marlana Holsten/James Chesnick - "Nature**

**Up-Close and Personal"** - Award winning nature & wildlife photography. Marlana and James' passion is nature and the wide variety of wildlife that live in it. Sit back and enjoy the ride as they bring you "up close and personal" with nature. **Opening Reception: Saturday, May 2, 11 a.m. - 1 p.m.**

**June 2 - 30 - Deborah Lacey - "Economical Creations"** - Using discarded wood and yarn Deborah creates lovely wood burning and also crochet items with a natural flare. **Opening Reception: Saturday, June 6, 11 a.m. - 1 p.m. ☆**

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### Announcing Winter/Spring Home School Programs

Our staff will offer a hands-on environmental education experience for any interested home school students this fall. Activities will include classroom instruction and outdoor learning opportunities for all ages with participants divided into **three age groups**: Kindergarten

through 2<sup>nd</sup> grade (parent accompaniment required), 3<sup>rd</sup> through 6<sup>th</sup> grade, and 7<sup>th</sup> through 12<sup>th</sup> grade. Each month a different topic will be addressed and all classes will be led by an Environmental Educator and be held 2 - 4 pm. Cost: \$6/non-members, \$3/EE Center members for most programs. **Pre-registration and payment are required and limited by the Monday preceding the program date. Refunds given only if notification is given at least three days prior to the program date.**

**April 2 - April Showers** - water is essential for all living things.

**May 7 - Spring Migration** - learn about the migration of birds and other animals.

**June 4 - Macro-invertebrates** - Find out what macro-invertebrates are and where they live. ☆

