

Kettle Creek Environmental Education Center

Conservation Through Education

Summer 2015 Newsletter ~~~~~ Volume 39 No. 2

Monroe County Conservation District 8050 Running Valley Road Stroudsburg, PA 18360

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Admin/Technical 570-629-3060 Environmental Education 570-629-3061 Website: mcconservation.org

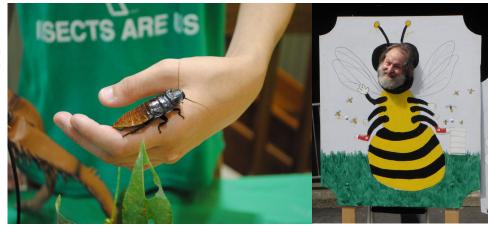
# Come one, Come all... to our Annual Bug Fest!

Here at Kettle Creek we are gearing up for an exciting and busy summer season! One of our most anticipated events is our 2015 Bug Fest. On Saturday, July 11th, from 10 am - 3 pm we will host our ninth annual Bug Fest at Kettle Creek Environmental Education Center. This family-oriented festival will include displays, games, crafts, activities, live insects, and nature walks — all celebrating insects!

Funded by the Kettle Creek Environmental Fund, Bug Fest started nine years ago as a fun and educational way to tap into the natural curiosity of children for all things creepy and crawly. Last year over 225 people attended the day's festivities, which included the Insect Olympics, safaris, puppet shows, create-their-own-insects, and a live butterfly tent.



The Insect Olympics includes a roach race, cricket hop, and caterpillar crawl!



A humorous puppet show about insects will be presented by the "Insects are Us" 4-H club at 11 am and again at 1 pm. The Insect Olympics will also take place twice at 11:30 am and again at 1:30 pm. Come dressed as your favorite bug and participate in the Insect Fashion Show AND receive a discount on admission price!

Children will be invited to fish for macroinvertebrates with the Brodhead Watershed Association, spin the wheel of knowledge with the Monroe County Cooperative Extension, visit with the Master

Gardeners, and learn about the amazing lives of honey bees from the Monroe County Bee Keepers Association.

No pre-registration necessary. There is a \$5 admission fee for children under 12. Parents can attend for FREE. Food and beverages will be available for purchase.

Bug Fest will be Kettle Creek's social event of the summer for children and bugs of all ages! ☆



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

#### Get ready for a Detour—Bridge closure will affect how you get here!

Starting in July, the bridge on Rimrock Drive over Pocono Creek, just south of Route 611, will be closed for replacement. For your convenience, here are the detoured routes to get to Kettle Creek.



Coming from areas North & West:

Take Rt. 611 South and turn Right on Rt. 715 South (OR take I-80 East and get off at the Tannersville exit [Exit 299], and make a Left at end of ramp onto Rt. 715 South). Follow Rt. 715 South for 4 miles, and make a Left on Neola Rd. Continue on Neola Rd. for 2 miles, and turn Left on Running Valley Rd. Follow Running Valley Rd. for 3.1 miles. Kettle Creek will be on the Right.

Coming from areas East:

Take I-80 West and get off at Exit 304 (Snydersville) to follow Rt. 209 South towards Snydersville. Travel 3.8 miles on Rt. 209 South, and make a Right onto Beaver Valley Rd. At the stop sign make a Left onto Business Rt. 209 South. Go almost 1 mile and make a Right onto Rimrock Dr. Go 0.3 miles and make a slight Left onto Mutton Hollow Rd. Follow Mutton Hollow Rd for 1.8 miles and make a Right at the T onto Running Valley Rd. Travel .5 miles and Kettle Creek will be on the Right.

#### Bog Walks are Back!

The Kettle Creek E.E. Center is proud to invite you to attend a guided public walk into the unique Tannersville Cranberry Bog. Along the way, our Environmental Educators will explain the Bog's formation, its interesting plant and animal life, and the role the local Preserve Com-

mittee and the Nature Conservancy play in its continued protection.

Pre-registration is required and limited for all walks. Walks are held each Wednesday at 1pm through June 10th.

From June 17th through September 9th, Wednesday walks will begin at 10am.

From September 16th through November 4th, Wednesday walks will begin at 1pm.

We also offer weekend Bog tours on certain Saturdays and Sundays. Saturday walks begin at 2pm and Sunday walks begin at 1pm. Tours last approximately 2 ½ hours and explore the floating boardwalk and the surrounding area, rain or shine. Please wear appropriate footwear.

On Tuesday, August 25th at 10am, we are offering a special hike to the Center of the Bog. Don't miss out on this rare opportunity to visit the "Eye" of the Bog. Be prepared to get your feet wet!

Directions: Route 611, at the light at the Tannersville Inn turn onto Cherry Lane Rd. The bog parking lot is 1.9 miles from 611 on the right hand side.

Cost: \$6/Non-members, \$4/ Nature Conservancy or E.E. Center members and children under 12. ☆



Weekend Walk Schedule:

Saturday, June 6th

Sunday, June 28th

Sunday, July 12th

Saturday, July 25th

Saturday, August 8th

Sunday, August 16th

Saturday, September 12th

Sunday, September 20th

**BOG DAY** October 18th

Saturday, November 14th

### News'N Notes

#### Worm Rap, Unwrapped

What started as a whimsical Halloween night hike routine has left its birthplace at the conservation district and taken hold at Northampton Community College where college students have performed it en masse in their bioloclasses. Professor Jackie Speicher uses it to teach about annelids. Other than a few lines related to the night hike, it's accurate enough to bear repeating, over and over again.

I am a worm – I breathe through my skin

I have to stay slimy to let the air in

I don't have any eyes but I need to find a mate

so when the ground is soggy, we all come out to date

Worms are weird (that's how we find each other), worms are weird

I don't have any bones but I do have a mouth

That's why they can hear me away down south

I don't have any legs but I have a lot of bristles

that move me through the ground, so who cares if I can whistle?

Worms are weird (say it with me now), worms are weird

I eat dead leaves and the food you throw away

as much as half my weight each and every day

What comes out the other end helps to grow your food

I make black gold, nature's fertilizer, dude

Worms are weird (I know we are), worms are weird

When it's freezing cold outside I go deeper underground

But that doesn't help me when there's chemicals around

Next time you see a worm, please don't be afraid

Tell it, "thank you for the job you

do", and then just walk away

Thinking, worms are weird (go on, walk away now), worms are weird (see you later, kids), worms are weird (bye, bye) ☆

#### Sound Off: One, Two

I don't know, but I've been told Fido's poop is made of gold Kitty says that it is true 'cause her poop is made of gold, too.

Not just toilet humor for pets, there's some truth to this concept as documented most recently by Paul Westerhoff, an environmental engineer at Arizona State University. Using mass spectroscopy, Paul and his colleagues found measurable quantities of gold, copper, silver, aluminum, and zinc in sludge from sewage treatment plants across the U.S. In addition to human waste, plants treat industrial many waste and stormwater, which can wash pet waste from streets and sidewalks into storm drains. More importantly, the potential revenue from a city of one million people (and their pets) is as much as \$13 million! So now it's a numbers game, and further analysis is needed to determine if the cost of recovering the gold and other lucrative elements is worth the squeeze. Some might 

#### **Waste Not**

The Monroe County Municipal Waste Management Authority is hosting another round of free composting classes this year on Saturday mornings, June 13, September 12, or October 13, from 9:00-10:00 am. Beware: Attending this class can be life-changing; you may find yourself hoarding your lunchtime food waste and then asking your co-workers for

theirs. To pre-register, please contact Cindy Parks at cparks@thewasteauthority.com or 570-643-6100. ☆

#### Feds to the Rescue!

The northern long-eared bat. The tri-colored bat. The little brown bat. Since 2009, more than 98% of these cave-dwelling bat populations in PA have died from whitesvndrome. Unthinkable! After all, we expected it in 2007 and knew how quickly it was spreading. Then, in August 2012, the PA Game Commission (PGC) requested public comment on actions that it was considering to protect current populations. As reported in our winter 2012 newsletter, the PGC failed to list these species as endangered and decided instead to craft solutions that protect bats without threatening industries that employ thousands of Pennsylvanians. This about-face was probably in response to public comments by timber and coal mining interests, as well as state legislators and others, on the devastating economic impacts of such a listing. Presumably, the value of pest-control services to Pennsylvania agriculture, which was estimated at \$292 million annually, could no longer be taken into consideration. Enter, the U.S. Fish and Wildlife Service (USFWS). On May 4, 2015, USFWS listed the northern long-eared bat as a federally threatened species, and on May 5, 2015, new threatened and endangered species searches were required on all pending state permits that might affect this species. We typically think of our federal counterparts as bigger and slower,

but they rushed to the aid of one of our decimated bat species and for that, we are grateful. \*\( \frac{1}{2} \)

U.S. FISH & WILDLIFE SERVICE



# Kid's Niche: Get Outside!





Now that summer's here there is no excuse to sit around indoors all day! Warm weather, blue skies, and sunshine are calling!

Living in the Poconos, there is always something fun to do outside in the various Poconos habitats. Whether you like to get on the water or climb up a mountain, countless recreational opportunities exist in our area. So before you go complaining to Mom or Dad that you're "bored," consider slathering on the sunscreen and heading outdoors!

Even if you don't own the appropriate gear or can't arrange proper transportation for your adventure, there are plenty of outfitters in the Poconos that can take care of all the logistics and equipment—all you need to do is get motivated and have fun!

Here at Kettle Creek Environmental Education Center we offer an Adventure Day Camp for kids ages 12-14 from June 22-26 where we focus on outdoor skills, activities, and finally an overnight backpacking trip.

One of our most popular camps is Conservation Camp (ages 14 - 2015 H.S. grad), a week-long residential camp that combines numerous outdoor recreational opportunities plus outdoor and environmental education. Activities include a two-day canoe trip on the Delaware River, ropes course, fishing, hiking, swimming, bodysurfing, camping, stargazing, archery,

trapshooting, muzzleloading, birdwatching, and much more!

The best part? No electronics allowed! Teens will be immersed in the natural environment and gain insight into all the natural resources the Poconos have to offer! \$\frac{1}{2}\$





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**GEOCACHE** ADVENTURE SCAVENGER HIKE SCOUT BIKING BIRDWATCHING HORSEBACK SLACKLINE KAYAK CAMP SNORKEL ORIENTEERING CANOE SPELUNKING CLIMB PAINTBALL SWIMMING RAFTING ENJOYMENT TRAIL RAPPEL FISHING TRAVERSE FRISBEE RELAXATION ZIPLINE

#### **2015 Summer Programs**

Kettle Creek for Kids (ages 4 - 9) June 23 - August 11, this program for young children will be held Tuesdays. Ages 4-6: 10-11 am. Cost: \$5/nonmember, \$3/EE Center member. Ages 7-9: 10-11:30 am. Cost: \$6/nonmember, \$4/EE Center member. See box below for dates and topics!

> Camps (ages 7 - 2015 H.S. Grad)

"Nature Discovery" Camp (ages 7 - 8) August 10 - 14. \$60/non-member, \$45/EE Center member. Registration **Deadline:** August 1<sup>st</sup>. Explore all of the wonders that Kettle Creek Wildlife Sanctuary has to offer! Monday -Friday, 9 am - 12:30 pm.

"World Around Us" Camp (ages 10 -12) July 13 - 17. \$105/non-member, \$85/EE Center member. Registration Deadline: July 3<sup>rd</sup>. Fun lessons and activities ranging from animal adaptations to identification and classification of plants. Monday - Friday, 8 am - 3:30 pm. \*Includes one day beginning at 3:30 pm 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 24th. Learn about the ways scientists studying natural histo-

Tues. 8/11

4-6

7-9

ry collect and analyze data. Focus on forest, field and pond ecology, birds, reptiles, amphibians, insects, watershed monitoring and weather. Monday - Friday, 8 am - 3:30 pm.

"Cycles of Life" Camp (ages 12 - 13) \$125/non-member, July 6 - 10. \$105/EE Center member. Registration Deadline: June 26th. 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)

Kettle Creek Adventure Camp (ages 12 - 14) June 22 - 26. \$125/nonmember, \$105/EE member. Registration Deadline: June 12th. Spend five days learning outdoor skills, participating in activities, and venturing out on day trips. Camp concludes with a two-day backpacking and camping trip in the Delaware State Forest (includes 4 meals). Monday -Friday, 8 am - 3:30 pm.

Conservation Camp (ages 14 - 2015 H.S. Grad.) July 18 - July 25. Our Annual Conservation Camp, cosponsored by Monroe County Conservation District, Monroe County Federation of Sportsmen's Clubs and funded by the Kettle Creek Environmental Fund, runs from Saturday, July 18 - Saturday, July 25. This week -long residential program is held at East Stroudsburg University's Stony

Acres recreational facility/wildlife sanctuary in Monroe County and is designed to provide various outdoor opportunities and environmental experiences for interested young people. See page 4 for details. Cost: \$75 application fee and a \$125 camp fee. Scholarships are available each year.

#### **Family**

Family Canoe Trip - 2-day canoe trip on the Delaware River, Tuesday & Wednesday, August 18 - 19 - The trip covers approx. 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/nonpaddling children under 12.

Public Bog Walks (Families) Wednesdays, June 17 - September 10 from **10 am - 12:30 pm -** 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/nonmembers, \$4/EE Center or Nature Conservancy members and children under 12. Meet at the bog parking lot on Cherry Lane Road. Preregistration is required. For more details, see page 2.

Ninth Annual Monroe County Bug Fest (Families), Saturday July 11, from 10 am - 3 pm - Displays, activities, games, live insects, nature walk, and puppet shows all day, all about insects! Cost: \$5/child ages 4 - 12. For more details, see cover page.

**Butterfly Count (Families) - Count** butterflies at Kettle Creek and the Tannersville Bog - Saturday July 25 from 9:30am - 12:30pm - You'll become part of an ever-growing group of people who call themselves citizen scientists. For anyone interested in counting numbers and species of butterflies in our area for the North Butterfly American Association (NABA). Cost: \$5 of which \$3 goes to NABA to fund the nationwide count.

#### Kettle Creek for Kids Ages 4 - 6 and 7 - 9

| Metale ereck for kinds / iges i o and / s |      |            |                                                                                                                                  |  |
|-------------------------------------------|------|------------|----------------------------------------------------------------------------------------------------------------------------------|--|
|                                           | DATE | AGE        | TOPIC                                                                                                                            |  |
| June                                      |      |            |                                                                                                                                  |  |
| Tues.                                     | 6/23 | 4-6<br>7-9 | Taste Testers—How do animals taste their food? Animal Locomotion—Look at how animals get around                                  |  |
| Tues.                                     | 6/30 | 4-6<br>7-9 | Looking at Leaves—Investigate leaves and learn to identify trees Snakes Alive!—Meet these fascinating reptiles up close & person |  |
| July                                      |      |            |                                                                                                                                  |  |
| Tues.                                     | 7/7  | 4-6<br>7-9 | Pollywogs & Big ol' Frogs—Slippery, slimy, & lovable frogs rule! Flights of Fancy—All about things with wings                    |  |
| Tues.                                     | 7/14 | 4-6<br>7-9 | KC Shadow Puppets—Many "shadows" are visible as we hike at K<br>Nature's Music—Discover sounds in nature and make your own       |  |
| Tues.                                     | 7/21 | 4-6<br>7-9 | For Goodness Snakes—Snakes are super cool critters Hooray for Habitats—A look at habitats                                        |  |
| Tues.                                     | 7/28 | 4-6<br>7-9 | Telling Tails—Tails are important! Happy Trails—Let's take a walk on the trail of Discovery                                      |  |
| Augu                                      | ıst  |            |                                                                                                                                  |  |
| Tues.                                     | 8/4  | 4-6<br>7-9 | Color Crazy—How do colors help critters survive? "Invent an Animal"—Invent your very own animal to live at KC!                   |  |





Left to right: Adam Milenkowic of Stroudsburg Area S.D. - Stanley Becker scholarship award recipient, Deborah K. Jones of Clear Run Intermediate School -2014 Conservation Educator of the Year, Elizabeth Whidden of Stroudsburg Area S.D. - Stanley Becker scholarship award recipient

#### **Annual Membership Dinner**

On Friday, March 27th, members and friends gathered for the Annual Membership Dinner at the Stroudsmoor Country Inn. They enjoyed an evening of entertainment, outstanding food, and joined us in recognizing four individuals for their support of the Environmental Education Center and environmental education.

2014 Stanley Becker Scholarship **Recipient** - Stanley Becker was a long time member of the Center. The Stanley Becker Environmental Resource Scholarship is sponsored by the Becker Family and Monroe County Conservation District. It recognizes an outstanding Monroe County high school student who has chosen to pursue an environmental major at college. We are always impressed with the quality of applicants who apply for this scholarship. The selection was so difficult that we were pleased to present this year's \$500 scholarship to TWO deserving students: Elizabeth Whidden and Adam Milenkowic, both seniors Stroudsburg High School. Elizabeth will be attending Vassar College in the fall, where she will major in Biology and Environmental Science. Adam will be attending Paul Smith's College to major in Forestry. We wish them the best of luck in college and their future careers!

2014 Conservation Educator of the Year - The 2014 Conservation Educator of the Year is Deborah K. Jones of Covington Township. Deborah, a fourth grade teacher at Clear Run Intermediate School, is being recognized for sharing her passion for science with her students. Each year for Earth Day she challenges her 4th graders to create a recyclable project from their everyday garbage. She is also an Advisor for the annual 5th and 6th grade Junior Envirothon held at the EE Center where students are challenged on their knowledge of wildlife, trees, and ponds. Monroe County, the Pocono Mountain West School District, and more importantly, its students are fortunate to have such a dedicated teacher.

**2014 Volunteer of the Year** - Mary Anne is a retired East Stroudsburg University professor and a longtime member of the Kettle Creek EE Center. In the past year Mary Anne has kept incredibly busy entering all Kettle Creek programs and events into our online press calendars. In addition, Mary Anne has volunteered at our newsletter mailings, special events such as the birdseed sale, and even covers the gift shop on Saturdays! Needless to say, Mary Anne has hit the ground running as a volunteer with us and since she started, she has not slowed down.

The Conservation District Board of Directors and Staff congratulate and thank all of our award recipients! ☆



Mary Anne Moore of Stroudsburg— Kettle Creek's 2014 Volunteer of the Year

#### **Book\$ for Buck\$**

This one-time fundraiser has evolved into a year-round book exchange! The Book\$ for Buck\$ bookshelf in the gift shop is where nature-related books can be dropped off or picked up. Take as many books as you like and leave as many bucks as you like in the donation jar atop the bookshelf. It's as simple as that. Why not take a look through your bookshelf at home and donate the nature-related books you no longer want or need? They will be sure to find an appreciative home with another EE Center member. 🖈

#### KETTLE CREEK ENVIRONMENTAL EDUCATION CENTER PUBLIC PROGRAMS

#### **JUNE**

**Public Bog Walk - 10<sup>th</sup> - Wednesday -** Full description please see page 2. Preregistration required.

Raptor Field Trip - 12<sup>th</sup> - 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 am, and return at 5 pm. Cost: \$24/non-members. \$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" - 13<sup>th</sup> - Saturday - Join EE Coordinator Roger Spotts from 10 am to 12 noon 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-members, \$3/children under 12. EE Center members free.

Building closed - 15<sup>th</sup> - Monday - Holiday

**Public Bog Walk - 17<sup>th</sup> - Wednesday -** Full description please see page 2. Preregistration required.

Josie Porter Farm Meandering - "Breeding Birds" - 17<sup>th</sup> - Wednesday - The walk will focus on birds that breed on the property. All of our monthly Josie Porter Farm Meanderings are from 4-6 pm, rain or shine. Please wear comfortable walking shoes and dress to be outside. Walks meet in the farm parking lot on Cherry Valley Rd. Pre-registration is suggested. Cost: \$5/non-members, \$3/EE Center or CSA members, children under 12 free.

Quiet Valley Farm Interpretative Walk -"Discovering the Farm's Amphibians and Reptiles" - 19<sup>th</sup> - Friday - Join us from 1 – 3 pm 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 & Reptile survey conducted statewide. Please dress to be outside.

Pre-registration is suggested. You are welcome to tour the historical farm at a reduced fee after the walk. Cost: \$5/non-members, \$3/EE Center or Quiet Valley Farm members and children under 12.

Ponder A Pond - 20th - Saturday - Cool off on a hot day and join an Environmental Educator as we explore Swink Pond at Kettle Creek and discover the fascinating aquatic critters living in it. Learn about the food web in the pond and the special adaptations that allow these animals to survive in their aquatic environment. We will catch and identify the unusual creatures that call this place home, so please wear shoes that can get muddy (no open -toed footwear, please). This familyoriented program runs from 10 amnoon; buckets and nets will be provided. Cost: \$5/non-members, \$3/children under 12. EE Center members free.

**Public Bog Walk - 24<sup>th</sup> - Wednesday -** Full description please see page 2. Preregistration required.

Tree I.D. Program - 27<sup>th</sup> - Saturday - Join Environmental Educator Karen N. Boyle for a program from 10 – 11:30 am to learn how to identify trees. Summer is the easiest time of year to learn how to identify trees using the leaves. Cost: \$5/non-members, \$3/children under 12. EE Center members free.

**Public Bog Walk - 28<sup>th</sup> - Sunday -** Full description please see page 2. Preregistration required.

#### **JULY**

**Public Bog Walk - 1<sup>st</sup> - Wednesday** - Full description please see page 2. Preregistration required.

Building closed - 3<sup>rd</sup> - Friday

<u>Building closed - 4<sup>th</sup> - Saturday - Holiday</u>

**Public Bog Walk - 8<sup>th</sup> - Wednesday** - Full description please see page 2. Preregistration required.

9th Annual Bug Fest - 11<sup>th</sup> - Saturday - Displays, activities, games, live insects, nature walk, and puppet shows all day, all about insects! Cost: \$5/child ages 4 - 12. For more details, see cover page.

**Public Bog Walk - 12<sup>th</sup> - Sunday** - Full description please see page 2. Preregistration required.

**Public Bog Walk - 15<sup>th</sup> - Wednesday -** Full description please see page 2. Preregistration required.

Josie Porter Farm Meandering - "Butterflies" - 15<sup>th</sup> - Wednesday - The open fields are great places to observe some of the beautiful butterflies that frequent the Josie Porter Farm. See listing for June 17<sup>th</sup> for full description.

Sssnakes Alive! - 18<sup>th</sup> - Saturday - Learn about the identification and biological roles of the snakes of our area during this always popular program with Environmental Educator Brian Hardiman. Designed for all ages, this 1 ½ hour program begins at 10 am and focuses on local species and includes live snakes and a slide-illustrated talk. Cost: \$5/non-members, \$3/children under 12. EE Center members free.

Art Opening: Nancy Tully - "Nature's Trails" - 18<sup>th</sup> - Saturday - A tribute to all the fantastic trips through nature's trails, both at home and beyond. Refreshments will be provided. Opening Reception: 11 am - 1 pm.

**Public Bog Walk - 22<sup>nd</sup> - Wednesday -** Full description please see page 2. Preregistration required.

Butterfly Count - 25<sup>th</sup> - Saturday - Calling all butterfly enthusiasts – time once again for the annual North American Butterfly Association's Butterfly Count. Meet at the Kettle Creek Wildlife Sanctuary at 9:30 am to join the fun and help add to the growing body of knowledge on Butterfly populations across North America. For more information, contact Darryl Speicher at 570-629-3061. Cost: \$5 of which \$3 goes to NABA to fund the nationwide count.

**Public Bog Walk - 25<sup>th</sup> - Saturday** - Full description please see page 2. Preregistration required.

**Public Bog Walk - 29<sup>th</sup> - Wednesday** - Full description please see page 2. Preregistration required.

#### **AUGUST**

"The Edible, Ecological, and Easier Garden" with Nicole Luttrell - 1<sup>st</sup> - Saturday - Tired of constantly battling weeds, fertilizing, mulching, and watering? Annual vegetable gardens and traditional home landscaping are a lot of work! Turns out there's another way to do it, which is modeling our gardens after nature to be more ecologically balanced and abundant. Learn about some key techniques, such as deep sheet

Continued on next page

#### KETTLE CREEK ENVIRONMENTAL EDUCATION CENTER PUBLIC PROGRAMS

#### **AUGUST Cont'd**

mulching, building supportive plant guilds, choosing hardy and disease-free edibles, and designing for passive rainwater harvest, to make your landscape productive and beautiful with less work and no chemicals. Imagine a day when your garden is dripping with delectable fruits, flowers buzzing with happy pollinators, and soil crawling with fertilitybuilding critters all while you spend more time laving back in the hammock! Nicole is the owner of Deeply Rooted Design, based out of Frederick County, Maryland, and will be at Kettle Creek at 10 am to share her knowledge. Cost: \$10/nonmembers, \$8/EE Center members. Preregistration required by Weds, July 29.

Art Opening: Pocono Watercolor Associates - 1<sup>st</sup> - Saturday - Late summer wildflowers, butterflies, raptors and other wildlife scenes of the Poconos featuring interpretive wildflower scenes and special renditions of area wildlife amid the spectacular beauty of our Pocono region. Opening Reception: 11 am- 1pm.

**Public Bog Walk - 5<sup>th</sup> - Wednesday -** Full description please see page 2. Preregistration required.

"Life Under A Log" - 8<sup>th</sup> - Saturday - Join Environmental Education Coordinator Roger Spotts as we explore the trails at Kettle Creek investigating what lives in rotting logs and underneath the many things on the forest floor. The program will begin at 10 am and is designed for the whole family. We will capture some of the underground creatures for a closer look before releasing them. Please dress to be outside and dig in the dirt. Cost: \$5/non-members, \$3/children under 12. EE Center members free.

**Public Bog Walk - 8<sup>th</sup> - Saturday -** Full description please see page 2. Preregistration required.

**Public Bog Walk - 12<sup>th</sup> - Wednesday** - Full description please see page 2. Preregistration required.

Migration Mysteries - 15<sup>th</sup> - Saturday - Join Environmental Educator Karen N. Boyle at 10 am to learn about migration: which animals migrate and why. Cost: \$5/non-members, \$3/children under 12. EE Center members free.

**Public Bog Walk - 16<sup>th</sup> - Sunday -** Full description please see page 2. Preregistration required.

**Public Bog Walk - 19<sup>th</sup> - Wednesday -** Full description please see page 2. Preregistration required.

Josie Porter Farm Meandering "Cherry Creek Exploration" - 19<sup>th</sup> Wednesday - Prepare to get wet feet as
we look at some of the interesting species
of macro-invertebrates that live in Cherry
Creek which flows through the property.
See listing for June 17<sup>th</sup> for full descrip-

Building Open - 22<sup>nd</sup> - Saturday, 9am-1pm

Hike to the Center of the Bog - 25<sup>th</sup> - Tuesday - The center of the Bog is a unique area with a "quaking mat" and several unusual plants. Don't miss out on this rare opportunity to visit the Center. Hike starts at 10 am and participants should be prepared to get their feet wet. Cost: \$6/non-members, \$4/Nature Conservancy members, EE Center members, and children under 12. Registration is required and limited.

**Public Bog Walk - 26<sup>th</sup> - Wednesday -** Full description please see page 2. Preregistration required.

Amphibian and Reptile Ramble - 29<sup>th</sup> - Saturday - Join Environmental Educator Brian Hardiman from 10 am to noon for a fun and educational morning searching for Kettle Creek's salamanders, frogs, turtles, and snakes. We will learn about the habits of these fascinating creatures and submit our findings to the Pennsylvania Amphibian and Reptile Survey (PARS), a state-wide effort documenting the status and distribution of these animals. Cost: \$5/non-members, \$3/children under 12. EE Center members free.

#### **SEPTEMBER**

**Public Bog Walk - 2<sup>nd</sup> - Wednesday -** Full description please see page 2. Preregistration required.

Building closed - 5<sup>th</sup> - Saturday

Building closed - 7<sup>th</sup> - Monday - Holiday

**Public Bog Walk - 9<sup>th</sup> - Wednesday -** Full description please see page 2. Preregistration required.

Hike to the Top - 12<sup>th</sup> - Saturday - Join Environmental Educator Brittney Coleman at 10 am for a discovery hike to the top of the unnamed ridge across the road from the EE Center building. These seldom used trails offer opportunities to see undisturbed wildlife, a huge glacial erratic boulder and do some off-trail exploring in search of a scenic vista at the top. The hike is not strenuous, but it is steep in spots, so we'll take it easy. Wear proper hiking shoes or boots, and bring water and a snack. Cost: \$5/non-members, \$3/children under 12. **EE Center members FREE.** 

Art Opening: Nancy Pitcher - "The Beauty of Nature" - 12<sup>th</sup> - Saturday - Nancy has hiked, climbed and paddled in mountains, deserts and rivers. Through her travels she has always appreciated the beauty of her natural surroundings. She now shares that beauty through her paintings.

Opening Reception: 11 am- 1pm.

**Public Bog Walk - 12<sup>th</sup> - Saturday -** Full description please see page 2. Preregistration required.

**Public Bog Walk - 16<sup>th</sup> - Wednesday -** Full description please see page 2. Preregistration required.

Josie Porter Farm Meandering - "A Late Summer's Eve" - 16<sup>th</sup> - Wednesday - As summer ends there are still many interesting natural things to discover at the Josie Porter Farm. See listing for June 17<sup>th</sup> for full description.

Dragonflies and Their Allies - 19<sup>th</sup> - Saturday - Birds and butterflies fill our minds with flights of fancy, but there is another group of winged beasts out there that dominate the air above ponds and meadows and late summer is the best time to find them – Dragonflies. Join Environmental Educator Darryl Speicher for a journey through Kettle Creek in search of dragonflies and damselflies learning about their amazing lives as we go. This walk will begin at 10 am and last 2 hours. Cost: \$5/nonmembers, \$3/children under 12. EE Center members free.

**Public Bog Walk - 20<sup>th</sup> - Sunday -** Full description please see page 2. Preregistration required.

**Public Bog Walk - 23<sup>rd</sup> - Wednesday -** Full description please see page 2. Preregistration required.

Building Open - 26<sup>th</sup> - Saturday, 9am-1pm

**3rd Annual Membership Picnic - 27<sup>th</sup> - Sunday** - Join us from 1 - 5 pm for a funfilled, family event with food, drinks, activities, a raffle, and great company with like-minded people who continue to support the EE Center and its efforts!

# Water Ways



A Festival of the Monroe County Watershed Alliance

The Monroe County Watershed Alliance hosted the 9th annual WaterWaze festival for middle school students on Wednesday, May 13th. Held at the J.T. Lambert Intermediate School, WaterWaze involved the education of 300 7<sup>th</sup> grade students about water properties, water conservation, and water quality protection. Throughout the course of the event, each class experienced presentations, demonstrations, and activities provided by individuals with a keen interest in the preservation of our water resources for future generations.

Financial support for WaterWaze is provided by PPL Corporation. This educational event would not have been possible without many professionals and volunteers who presented various watershed topics to the students.



Students manipulate a stream channel and floodplain to simulate a stream's response to changes in the landscape.

#### **Rain Barrel Art Self-Guided Tours**

Visit 20 beautiful rain barrels, decorated by local artists and groups of all ages along this self-guided tour. Each uniquely painted barrel takes a different spin on the message to prevent water pollution because we all live downstream. For project information and a tour map of the barrels, installed at homes, businesses, and public places throughout Delaware Water Gap and Mount Pocono, visit

www.mcconservation.org and click on



"Retain the Rain II" is a community art project of the Monroe County Conservation District, funded by the Pennsylvania Association of Conservation Districts, Inc. through a grant from the Pennsylvania Department of Environmental Protection under Section 319 of the Clean Water Act. administered by the U.S. Environmental Protection Agency. Project partners

include: the Pocono Arts Council, the Monroe Career and Technical Institute, the Brodhead Watershed Association, and the Brodhead Creek Regional Authority. For more information, visit www.mcconservation.org or call 570-629-3060. ☆

#### MCCD Rain Barrel Sale — A Success

With this spring's third official MCCD rain barrel sale, 96 rain barrels found a home. Over 5,000 gallons of water were saved in the first rainstorm!

#### **MCMWMA E-Cycling Event**

Held in conjunction with our rain barrel sale pick-up day, the Monroe County Municipal Waste Management Authority's Electronics Recycling event resulted in the collection of 16,060 pounds of electronics! ☆



Winners of the Monroe County High School Envirothon, "The Cray Crayfish" of Pocono Mountain East School District. From left: Matt Henry (captain), Russell House, Emma Lindaur, Alexandra Koech, Michael Medaugh. Not pictured: Jennifer Limani, advisor. The team finished 9th overall at the state competition, Monroe County's best place yet!

#### **Envirothon Results...**

#### **High School**

## The Cray Crayfish Take Home the Coveted "Enviro-owl" Trophy

After a challenging morning of testing in five different environmentally-themed subjects, Pocono Mountain East's *The Cray Crayfish*, made up of Emma Lindauer, Michael Medaugh, Russell House, Alexandra Koeck, and captained by Matt Henry, came out on top!

On May 1st, 20 teams from six Monroe County High Schools competed in the Monroe County Envirothon: Stroudsburg, Pocono Mountain West, Pocono Mountain East, Pleasant Valley, Evergreen Community Charter School and East Stroudsburg South.

This year was the first year that the overall first place team was not a first place winner in any one of the five subject areas: Soils, Aquatics, Wildlife, Forestry, and Current Issue - "Urban & Community Forestry." However, *The Cray Crayfish* still won with an overall score of 357 out of a possible 500. Second place went to the *Poppin' Porcupines* of Pocono Mountain East High School with 349 out of 500. The *Kingfishers* of Stroudsburg High School took a close

third with a score of 347 out of 500. Second place team the *Poppin' Porcupines* had the highest score at the Aquatics station, while the *Kingfishers* scored the highest at the Forestry station.

Teams are trained by a Teacher/ Advisor from their school. The training is intense with not only memorization and identification, but also critical thinking.

The tests are given by cooperating agencies including the PA Game Commission, PA DCNR Bureau of Forestry, Natural Resources Conservation Service, the PA Fish and Boat Commission, Penn State Cooperative Extension and the Monroe County Conservation District Staff here at Kettle Creek.

Students had the opportunity to interact with conservation profes-

sionals from all areas of expertise: Foresters, Wildlife Conservation Officers, Water Conservation Officers, Soil Scientists, and Environmental Educators. Whether the students pursue careers in Conservation or other career paths, we hope that they have been inspired to take of some the environmental ethics and knowledge with them on whatever path they choose!

A big thank you goes out to the Kettle Creek Environmental Fund (KCEF) who generously provided lunch, trophies, and t-shirts for the county Envirothon. A few teams opted out of the t-shirts, so their portion of the KCEF funding was donated to their local Open Space Commissions. *The Cray Crayfish's* trip to the state competition was also courtesy of KCEF.

The State Envirothon competition is even tougher than the local, but *The Cray Crayfish* represented Monroe County extremely well, earning 9th place out of the 63 teams competing! This is the best place ever for Monroe County. Congratulations *The Cray Crayfish*!

#### **Junior Envirothon**

KCEEC also hosted two junior competitions: Thursday, May 7th, for 5th and 6th graders, and Friday, May 8th, for 7th and 8th graders. Competing teams from area schools were tested on their knowledge of the Pocono environment at four stations: Animals, Trees, Ponds, and Current Issue - Wetlands.

The overall first place winner for the 5th and 6th grade competition was *The Green Thumbs* team from Swiftwater Intermediate School. The winning team included Abigale Evans, Sabela Zablackis, Maya Logosso, Lilia Kaczmarzyk and Veronica Bialek. Receiving the overall second place trophy was the *Lightning Lily Ladies* team from Clear Run Intermediate School. The 7th and 8th grade overall first place winning team was the



"The Green Thumbs" from Swiftwater Intermediate School, winners of the 5th and 6th grade Junior Envirothon.

#### **Envirothons Cont'd from Page 10**

Intimidating Chipmunkz of Blue Ridge Home School. The winning team consisted of Mackenzie Piacenti, William Gore, Kenny Moyer, Makenzie Sillman and Michele Cronin. The 7th and 8th grade second place was awarded to the We're So Hawkward team from Pocono Mountain East Junior High.

The Kettle Creek Environmental Education Center would like to congratulate and thank all of the participating students, teachers and advisors at this year's Junior Envirothon - Blue Ridge Home School Group, Evergreen Community Charter School, Clear Run Intermediate School, Pocono Mountain East Jr. High, Smithfield Elementary School, Pocono Mountain West Jr. High, Swiftwater Intermediate School, Tobyhanna Elementary Center, and Pleasant Valley Middle School.



The "Intimidating Chipmunkz" from Blue Ridge Home School, winners of the 7th and 8th grade Junior Envirothon.

Thank You to the Kettle Creek Environmental Fund for their support of the Junior and High School Envirothons! ☆

#### Dirt, Gravel, and Low Volume Road **Maintenance Program**

Pennsylvania's Dirt, Gravel, and Low Volume Road Maintenance Program provides grant funding to local municipalities to reduce environmental impacts and long-term maintenance costs associated with public roads. The Program was enacted into law in April 1997 as Section 9106 of the PA Vehicle Code, with \$4 629 - 3060. million in annual funding for "environmentally sensi- More information can tive road maintenance." Program funding was in- also be found on the creased to \$28 million for FY 2014-15, with \$8 million DGLVR website at of that dedicated to paved low-volume roads with http://www.dirtand less than 500 vehicles per day.

Each year, the State Conservation Commission allo- html. A pre-site visit cates this funding based on identified need to County Conservation Districts. Townships and other road- contacting John Motz owning entities then apply to their local District to at MCCD. address identified pollution problems using environmentally sound road maintenance practices. All grant applicants must complete a 2-day "Environmentally Sensitive Road Maintenance" (ESM) training course focusing on lowering maintenance costs and reducing stream pollution.

Between 1997 and 2014, Monroe County's dirt and gravel program provided almost \$185,000 in grant funding to improve water quality and roads in the county. For 2014-2015, Monroe County Conservation District (MCCD) was allocated \$100,000 for dirt and gravel road projects and \$113,000 for low volume paved road projects. At the April MCCD Board Meeting, the Board allocated \$82,000 for three dirt and gravel projects in the county. MCCD is still seeking applications for grants on low volume paved roads and dirt and gravel roads.

Municipalities with low volume paved roads (<500 VPD) or dirt and gravel roads that are causing pollution to a stream are encouraged to seek grant funding. For grant applications, information on MCCD's Dirt, Gravel, and Low Volume Road Maintenance Program, and upcoming ESM training courses, please contact MCCD's Resource Conservation Specialist

John Motz at (570)

gravel.psu.edu/index. can be scheduled by

#### Typical project timeline:

- 1. Locate potential project.
- 2. Site visit with District.
- 3. Submit application to District.
- 4. If funded, acquire any necessary permits and permission.
- 5. Enter into contract with District.
- 6. Perform, or have contractor perform work.
- 7. Final site inspection with District.



Installing driving surface aggregate with a paver in Polk Township.

#### Elk Viewing in the Pennsylvania Wilds, September 28th - 30th



Join us on a three day journey into the Pennsylvania wilds to view majestic elk during the prime bugling seasons. Stops will also be made at Bald Eagle State Park, Sinnemahoning State Park, the PA Grand Canyon, Quehanna Natural Area, and the Elk Country Visitor Center.

#### Trip Includes:

- Two-nights lodging in stream front cabins in the heart of Elk Country
- Transportation
- Two breakfasts
- Two lunches
- One dinner
- Admission to Elk Country Visitor Center
- Covered wagon ride through Elk Country



#### Cost:

- Non-members: Singles—
   \$290 per person, Doubles—
   \$250 per person
- Members: Singles—\$275 per person, Doubles—\$235 per person

On the first day, we will stop at Bald Eagle State Park to eat our lunches, then hike the park's butterfly trail. On the last day, we will have a picnic lunch at Leonard Harrison State Park to see the majestic Pennsylvania Grand Canyon. And in between there will be all sorts of fun Elk adventures, like a horse-drawn wagon ride through Elk Country! For more information or to register please contact the Kettle Creek Environmental Education Center at (570) 629-3061. Registration is limited to twelve people. ☆



## Project FeederWatch at Kettle Creek

Kettle Creek Environmental Education Center recently completed its 14th season of Project FeederWatch. Coordinated by Cornell Lab of Ornithology, Project FeederWatch is a winter survey of birds that visit feeders at localities across North America. The data compiled help scientists monitor movements of winter bird populations and trends in their distribution and abundance.

KCEEC gives a warm thank you to the 2014-2015 Project FeederWatch volunteers: Bob Andersen, Ellen Davis, Janet Hauguel, Jan Olsommer, Susan Pecota, and Sandy Spinner. Their dedicated efforts produced a total of twenty-two species of birds during the count period that extended from November 2014 to March 2015. Numbers of individuals were also recorded and the Dark-eyed Junco was easily the most abundant from the start to the finish of the count period. In February the counts were spiced up with the appearance of Pine Siskins, a northern finch that moves south on a very irregular basis. But the biggest surprise of the FeederWatch season may have been the stunning male Ringnecked Pheasant that visited the feeders on the very last count day and "wowed" observer Susan Pecota.

For more information or to volunteer for Project FeederWatch at Kettle Creek, contact Environmental Educator Brian Hardiman at bhmccd@ptd.net or (570) 629-3061, or visit the Project FeederWatch website at www.feederwatch.org. \$\frac{1}{2}\$



#### Dear Members and Friends,

Summer is time for camps at the EE Center for kids ages 7 through this year's high school graduate. We have always tried to offer diverse camp experiences with lots of hands-on activities utilizing the staff and outdoor resources at Kettle Creek and other natural areas. This year's camp offerings will continue to provide that opportunity and we encourage you to get your children and/or grandchildren involved.

Summer is also time for our annual BugFest and our Family Canoe Trip as well as many other family-oriented programs. The trails are open for hiking dawn to dusk and we have KC Explorer Packs available for use free of charge whenever the building is open. So many things to do and so little time, but try to schedule some time to visit us at the EE Center in the coming months. Please remember that sometime in early July Rimrock Drive will be shut down for a few months for bridge replacement and you will need an alternate route to get to the EE Center. Please call us if you need directions around the detour.

#### **Monroe County Conservation District Board Members and Staff**

#### 2015 Maple Sugaring Season Recap

Maple sugaring 2015 started off cold and snowy, but it finished with excellent quality syrup and a successful season overall. We tapped the first trees on Feb. 10<sup>th</sup> with over 15" of snow on the ground. The first sap was not collected until March 9<sup>th</sup> which was the latest date for an initial sap run we have ever experienced. The sap really flowed from the 16<sup>th</sup> of March into the first week of April and we were able to produce a total of 37.7 gallons of syrup from 244 trees.

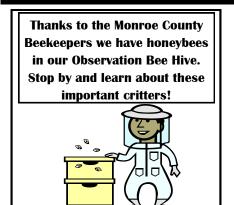
On our public day we had 296 people in the sugarbush and they were treated to the best pancakes and syrup around, thanks to our hard-working volunteers at the pancake station. We also would like to thank the 105 tree sponsors whose generous support help to fund the maple sugaring programs. The sponsors also received one pint of our pure maple syrup. We look forward to next year's season and hope you can visit us in the sugarbush when we will once again tap the trees and smell the sweet maple syrup cooking. ☆



## **Attention EE Center Members:**

You are invited to our

3rd Annual Membership Picnic
Sunday, September 27 from 1 to 5 pm.
Details will be in the Fall Newsletter!



#### **Welcome to Our New Members!**

Robert & Margaret McIlmoyle, Stbg Elvi & Michael DeLotto, DWG Erin & Victoria Lustig, Stroudsburg Ken Schurman, Mt. Pocono Patrick Jones, Effort Martin Gonzalez & Family, Stbg Barr Soltis, Greentown DNA Property Management, Stbg Ken Jones, East Stroudsburg Susan Briggs, Pocono Pines Katherine Schkloven, S. Abington Lisa Buchholz, Stroudsburg Lori & John Benzinger, East Stbg John C. Jennings, Kresgeville Peggy Hamilton, Pocono Pines

| Kettle Cre<br>Environmental Educa<br>DATE                                                                      | ek<br>tio | n Center        |
|----------------------------------------------------------------------------------------------------------------|-----------|-----------------|
| Make check payable t<br>Monroe County Conse<br>District (MCCD)<br>8050 Running Valley F<br>Stroudsburg, PA 183 | erv       |                 |
| Student                                                                                                        | \$        | 10.00           |
| Individual                                                                                                     | \$        | 15.00           |
| Family                                                                                                         | \$        | 30.00           |
| Senior (65+)                                                                                                   | \$        | 10.00           |
| Organization                                                                                                   | \$        | 50.00           |
| Lifetime Individual                                                                                            | \$        | 500.00          |
| Lifetime Family                                                                                                | \$        | 750.00          |
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| Please Share With                                                                                              |           | riend<br>Renewa |



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TELEPHONE: 570-629-3060 FAX: 570-629-3063

E-MAIL: monroecd@ptd.net WEBSITE: mcconservation.org NON-PROFIT ORGANIZATION U.S. POSTAGE PAID STROUDSBURG, PA 18360 PERMIT NO. 502

Conserving Natural Resources for Our Future



Special Thanks to Pocono Garden Club for beautifying our Butterfly Garden and Rock Garden!



#### 2015 Kettle Creek Art Gallery Schedule

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 am - 1 pm.

July 1 - 30: Nancy Tully - "Nature's Trails" - A tribute to all the fantastic trips through nature's trails, both at home and beyond. Opening Reception: Saturday, July 18, 11 am - 1 pm.

July 31 - August 28: Pocono Watercolor Associates - Late summer wildflowers, butterflies, raptors and other wildlife scenes of the Poconos featuring interpre-

tive wildflower scenes and special renditions of area wildlife amid the spectacular beauty of our Pocono region. Opening Reception: Saturday, August 1, 11 am - 1 pm.

September 1 - 30: Nancy Pitcher"The Beauty of Nature" - Nancy
has hiked, climbed and paddled in
mountains, deserts and rivers. Through her travels she has
always appreciated the beauty of
her natural surroundings. She
now shares that beauty through
her paintings. Opening Reception:
Saturday, September 12, 11 am 1 pm. ☆



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