

# Streamside

Newsletter of the Renfrew Institute

## MISSION STATEMENT

“Renfrew Institute’s mission is to guide the people of the Cumberland Valley Region to become stewards of their natural and cultural worlds.”



Spring programs are happening now! Visit [www.renfrewinstitute.org](http://www.renfrewinstitute.org)

## Spring 2015 Issue:

Youth Festival  
Kids on the MOVE! **3**

Artistry  
Awards **4/5**

New  
Sponsors **6**

Intern  
Report **8**

Salamander  
Scramble **10**

Summer  
Institute **13**

Members &  
Sponsors **16**

Thinking Across  
Landscapes **18**

Calender  
of Events **26**

Garden  
Corner **34**

New  
Members **35**

## South Mountain— Our Own Special Landscape

In January, I flew to Idaho to visit my son and his wife. I went to enjoy the many feet of snow, the snowshoe hiking, cross-country skiing and winter carnival festivities out there. And I did enjoy it! But I also shouldered a lot of teasing as it was 40 degrees, sunny and spring-like in Idaho, while back home in PA everyone was freezing.

A few days later, as I flew back into Baltimore gazing down at the land and water interface along the Chesapeake Bay, and then drove up the mountain slopes headed back to Franklin County, I knew why this south-central Pennsylvania home landscape is so special to me.

There are mountains, valleys, streams, farm fields, historic properties, picturesque small towns, legendary trails, bikeways and highways, industries and orchards, art and music, and people who identify with this landscape and the stories that abound here.

Every area of our vast country is filled with such special places. But as humans, biologically bonded to the natural environment of our birthplace (or long-term home), we develop a deep sense of belonging to our own special place. When we are away we even long for that place. It is sensory, emotional, spiritual and it is enduring. We develop a love for other places too, but there is always one that trumps the rest.

Renfrew Institute renewed its membership in the South Mountain Partnership, a broad coalition of organizations, individuals, businesses, municipal, state and federal agencies that identify with the South Mountain region as a “home” landscape.

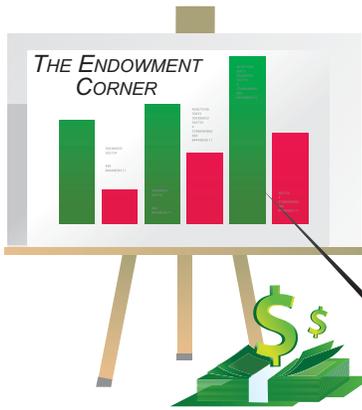
The South Mountain Conservation Landscape, one of seven in the state, is ecological and disregards geo-political boundaries. It is identified by its geo-physical and biological characteristics, its cultural and natural resources, and by the humans who have shaped the landscape (and have themselves been shaped by the landscape) through time.

*continued on page 15*

Publication of *Streamside* is funded in part through grants from **John Hershey III, RBC Wealth Management; Martz Plumbing, Heating & AC; Patricia O’Connor; Dennis L. Koons of Raymond James Financial Services, Inc.; Lucinda Potter, CPA; and Patricia & Richard Shew.**

**Volume 26 + Number 1  
Spring 2015**

**NOTICE:**  
**“Annual Meeting” will be on:**  
Monday, July 20, 2015 • 6:45 PM • Visitors Center



## Endowment Fund Value Surpasses Milestone...

In December 2013 the Institute’s Board of Directors and Endowment Trustees launched an extra push with the annual endowment giving campaign. The hope was to boost donations to the endowment fund and to reach the long sought after goal of \$250,000, after which the fund could produce some income in support of the annual operating budget.

Thanks to the resounding support of our members last year and the continuation of increased giving and generous bequests during the 2014 campaign, the goal has been reached and surpassed!

The value of the fund as of January 20, 2015 is **\$295,590.65!** Thank YOU for helping us reach this important milestone. Let’s keep it going!

If you have not donated to the fund yet, it’s never too late! Contributions are welcome year round. Please make your check payable to *Renfrew Institute* (memo “endowment”) and send to:

Renfrew Institute, 1010 E. Main Street, Waynesboro, PA 17268

For more information, please call our office 717-762-0373 or email us at [info@renfrewinstitute.org](mailto:info@renfrewinstitute.org). Our sincere thanks to the following who made donations since the last *Streamside* listing:

### \$10,000+

Dwight F. Hastings Trust  
Jean W. Hastings Trust

### \$1,000–\$2,500

Martz Plumbing, Heating & AC  
Michael R. & Lucinda D. Potter

### \$500–\$999

Mike & Denise Beck  
Greg & Debi Duffey  
Lynn Y. MacBride  
Mr. & Mrs. Edward Miller  
Eunice Statler  
Angela Grove Weagly

### \$100–\$499

Kenton Broyles  
Martha & George Buckey  
Paul E. Dunlap, Jr.  
& Barbara Shank Dunlap  
Steve Graham, *in memory of Nancy Creager*  
John N. & Martha Dudley Keller  
Barbara Kercheval  
Jeffrey Koch, *in memory of Judge John & Margy Keller*  
Marilyn McCarney  
Beverly McFarland  
Noelker & Hull Assoc. Inc.  
Elizabeth N. Payette  
Cheryl & Ken Plummer  
M. James & Barbara Rock  
Rod & Lynn Teach

### \$25–\$99

Otis & Carol Brown  
Jane & Ernie Charlesworth  
Walter & Catherine Gembe  
Blaine & Millie Holliday  
Tracy Holliday & Kevin Ledden  
Debra Levick  
Walter E. & Karen Manderson  
Jeff & Bonnie Rhodes  
Mary Ellen Selvaggio  
& Patric Schlee  
James Smith  
& Melodie Anderson-Smith  
Don & Peggy Weller

*Thanks so much...*

*...for helping us grow!*

## Errata, and a Sincere Apology

In 2003, Wayne and Debbie Martz of **Martz Air Conditioning, Plumbing & Heating** made the company’s first gift to the institute’s endowment fund in the amount of **\$2,000**, with an additional \$500 designated in support of *Streamside*.

Wayne and Debbie made similar donations in the years that followed.

In 2005, Bruce and Tammy Mouer purchased the business. They continued the tradition of generosity.

Over the years, contributions from Martz Air Conditioning, Plumbing and Heating constitute the largest annually recurring gift to Renfrew Institute’s endowment fund.

We regret sincerely that acknowledgment of their most recent \$2,000 gift was omitted from the last issue of *Streamside*—the very issue in which the practice of identifying donation value ranges was initiated.

We apologize for the omission, and extend sincere gratitude for Wayne and Debbie’s early adoption of the endowment fund, and for Bruce and Tammy’s continued confidence and investment in the future of Renfrew Institute.

Tracy Holliday

# TWENTY-SIX Years of FUN and Counting... Youth Festival Celebrates

## "Kids on the MOVE!"



Mark your calendar now for what is sure to be a fun filled day as Renfrew Institute

prepares to host the **26th Annual Youth Festival** on Sunday, May 24 from 12:30 to 5:30 p.m.

Volunteer planning committee members **Kim Sheffler, Jessica McCleary** and **Cheryl Mankins** are hard at work searching for "cool things to do" for kids of all ages!

Activities will be built around a theme of movement...**Kids on the Move!**

**12:30 PM**

### Mini Dance Performance

In addition to a wide array of hands-on activities that range from Hip-Hop to Hip Hoops, we'll host a special performance by **The Spirit of the Dance Studio** at 12:30.

Located near Carlisle, Pa., The Spirit of Dance Studio is led by studio owner, director and choreographer **Natalie Baker**, a dance professional with more than 35 years experience.

The studio features instruction and performances in jazz, tap, lyrical, ballet, pointe, musical theatre and hip-hop.

### Playshops: Get Your Moves On!

Lead dance instructor of Spirit of the Dance Studio, **Lara Graham** will lead "playshops" in **hip-hop** and **jazz** at 1:00 & 3:30 p.m.

Lara has trained in many styles of dance and has been teaching dance for nine years.

More fun stuff includes a chance to get your groove on with

*Zumba for Kids*, led by hip instructor Nicola Sussman; Jennifer Jones and Willow Wier help you *Sit like Yoda...Yoga moves for Kids*; Cherry Snyder will get you swingin' your hips with *Hula Hoops*; Tom McFarland will coax your creativity with lively art creation; Cookie Beck and Jill Morningstar will get you spinning with *Pin Wheels*; Mike and Valerie Dudash will get you movin' upstream with kayaks in the creek; *Waterstriders* and Kathy Seiler will help you investigate tiny moving creatures that live in the creek; see more creatures up close in *Critters that Wiggle and Hop* with Sheila and Brian Eyley; make a drum or ribbon wand in *Beats and Twirls* with Cheryl and Gabrielle Mankins; make a flashy top in *Spin and Glitter* with Kim Sheffler and Traci Walizer; create a wind sock for *Blowin' in the Wind* with Tiffany Sheffler; and make some noise in *Cheer and Shout* with Andrea Flook.

For more information and **workshop registration details**, check our website: [www.renfrewinstitute.org](http://www.renfrewinstitute.org).

**Waynesboro Children's Theatre Troupe** will return to cap off the day with their annual musical performance featuring local students of musical theatre.



*Lesole's Dance Project introduces students to South African cultural dance and storytelling. Dance project members will perform during this year's Youth Festival.*



**2:15 PM**

### Dancing through South Africa!

**Lesole's Dance Project** introduces students to South African cultural dance and storytelling.

*Dancing through South Africa* develops creative potential through three different dance experiences—*Ndlamu*, a traditional Zulu/tribal dance; *Gumboot*, originating in the gold mines in South Africa during the oppressive Apartheid years; and *Pantsula*, a modern social/hip-hop dance.

The experience encourages **audience participation** and promotes an appreciation of dance as recreation, cultural expression and a possible profession!

The program emphasizes the role of dance in promoting understanding and acceptance among people of different backgrounds and cultural traditions, as it recognizes that even within the African continent, Western, Eastern, Northern, and Southern traditions vary.

Dance Director **Lesole Zachariah Maine** was born in Sebokeng, South Africa. This small township just outside of Johannesburg—rich in diversity, culture and tradition—was an environment where Lesole recognized his love of dance and appreciation for the many ethnic customs around him.

The company has performed nationally at venues that include The Kennedy Center Millennium Stage and the Wolf Trap Foundation for the Performing Arts.

Youth Festival is **FREE** thanks in part to a generous sponsorship from **Susquehanna Bank**.

Rain location: Hooverville Elementary School.

# Slim Harrison and Kathleen Renninger Receive 2014 Environmental Artistry Awards

It was a perfect blend of music and art as musician **Slim Harrison** of Emmitsburg, Md. and artist/graphic designer **Kathleen Renninger** of Blue Ridge Summit, Pa. were honored as the recipients of Renfrew Institute's 2014 Environmental Artistry Awards during Earth Celebration Day & Festival of Art on Saturday, April 26, 2014.

Local artist and historian, Becky Dietrich presented the award to Renninger. The RI's executive director, Melodie Anderson-Smith presented the award to Harrison.

This was the first time that two awardees were honored. Anderson-Smith explained, "It just seemed perfect to honor the two art forms together. Slim has been performing at this event for many years and he is so deserving. Kathleen's work is the essence of what this award is all about—celebrating the natural world through art. We include all art forms when considering candidates for this award."

Dietrich noted the extraordinary beauty and accuracy of Renninger's drawings, captured through meticulous study and observation of plants and animals in their natural settings.

Renninger's book, *Pages from a Nature-Lover's Diary*, is full of her notes and drawings created with watercolor, marker, pencil and pastel. Renninger is inspired by happenings in nature, whether in her own backyard, at Renfrew Park, Happel Meadow in Blue Ridge Summit or elsewhere.

She is also a writer and graphic designer and is known for her scale structures and articles for model railroad hobbyists. Her poetry brings her sketches to life and her note cards are infused with color, many taken from the drawings used in her book.



Artist Kathleen Renninger, left, received an Environmental Artistry Award from fellow-artist, Becky Dietrich.



Musician Slim Harrison receives congratulations and an Environmental Artistry Award from Renfrew Institute executive director, Melodie Anderson-Smith.

Kathleen's book is sold in area stores and gift shops including Renfrew Museum's shop. You can learn more about her and her work at [pictures2paintings.webs.com](http://pictures2paintings.webs.com).

Anderson-Smith described the artistic contributions made by Harrison over many years. His rapport with children and families led to his long-standing invitation to perform at RI's annual Earth Day event for the past 14 years.

She also noted that people ask for Harrison

each year, hoping he will once again bring children to the stage to perform in his Sunnyland Band using instruments made by Harrison from recycled materials. Children plink and plunk, dance and sing, often drawing adults into the fun.

Harrison is an accomplished musician performing on fiddle, banjo, resophonic guitar, mandolin, dulcimer, Native American mouth bow and many more.

He works with schools as well, bringing folk music to classrooms. He is a "Master Artist" with the Wolf Trap Institute for Early Learning through the Arts, and full-time "Artist in Residence" with the Maryland State Arts Council—Artists in Education and Touring Artists Programs.

You can learn more about Slim Harrison at his website: [sunnylandmusic.com](http://sunnylandmusic.com).

*We congratulate both of these superb artists!*



# Virginia Hair Receives 2015 Environmental Artistry Award

Artist **Virginia Hair** of Waynesboro received Renfrew Institute's 2015 Environmental Artistry Award during Earth Celebration Day & Festival of Art on Saturday, April 25, 2015.

The following is taken from text written by local artist and historian, Becky Dietrich, who usually presents this award but was unable to be present this year.

Becky honored her friend and colleague, Virginia by composing the presentation which was read aloud by the institute's executive director, Melodie Anderson-Smith during the ceremony.

Virginia Hair is well known for her outstanding paintings of regional landscapes and landmarks, as well as realistic renditions of floral subjects.

Her work has won awards throughout the United States and



Artist Virginia Hair, left, received the 2015 Environmental Artistry Award from Melodie Anderson-Smith. Photo by Tracy Holliday.

Europe. As one of the earliest members of the Waynesboro Studio Club, Virginia's fine art work has inspired many other artists.

Virginia grew up on a farm situated in the verdant, rolling countryside of Somerset County.

"I've always enjoyed the outdoors and nature," Virginia said. "I used to bring in the horses in the morning,

This was my chore before we went to school. Then I'd walk across to the hills and sit on a rock looking at the farm and the horses."

As a girl, she would walk barefoot down the unpaved country lane, with dappled sunlight coming through the trees, the hillside softly rimming the distant horizon. And she often painted just such a nostalgic scene.

The Allegheny Mountains appear frequently in the background of Virginia's paintings of the family farm.

In such paintings she captured sheep grazing in the pasture or a sugar camp nearby where they'd gather maple sugar.

Her love of nature and our splendid Pennsylvania terrain make Virginia eminently qualified to receive this year's Environmental Artistry Award.

*Congratulations, Virginia!*

## Student Displays Brighten Earth Celebration Day 2015

Students from Summitview and Fairview elementary schools created colorful "clothesline" displays, exhibited in the courtyard on Earth Day. Themes included recycling, celebrating the seasons, and protecting the Earth.



# Community & Individual Support Makes it Happen!

## Renfrew Institute Announces New Underwriting Support

Here at Renfrew Institute, it seems we are always in the midst of planning—school programs, community events, adult education offerings and fundraisers are sprinkled throughout every month of the calendar. All of these wonderful “happenings” are possible because of the generous support we receive from our community.

We are so grateful to be able to acknowledge the following new sponsorships for our programming.

### Waterstriders

They're known by many colloquial names...water bugs, magic bugs, pond skaters, water scooters, water skaters, water skeeters, water skimmers, water skippers, water spiders...we call them *waterstriders*.

Waterstriders are true bugs in the order *Hemiptera*, family *Gerridae*. At Renfrew Institute, *Waterstriders* are also young scientists...a group of 12–16-year-olds who learn about stream water eco-systems through activities that monitor water quality of the East Branch of the Antietam Creek as it flows through Renfrew Park.

Meeting monthly throughout the year, 'Striders perform assessments that include measuring turbidity, pH, alkalinity, temperature, nitrates, phosphates and dissolved oxygen.

Data gleaned from that effort is added to the bank of data collected through the Stream Quality Monitoring program of Renfrew Institute's partner organization, Antietam Watershed Association (AWA). That data is collected by citizen scientists and student interns from Shippensburg University through a program headquartered at Renfrew Institute. [See pg. 8–9]



## New Sponsorships

by Tracy Holliday  
Grants Administrator

*Waterstriders'* activities are now supported by two new gifts. **Pat and Jay Heefner** harbor genuine care for healthy local water systems, and for youth education. Founding members of AWA (Pat currently serves in a website/ communications role for the organization), their commitment to institute programming is long evident.

Pat is a former RI board member, and Jay currently serves as president of the organization's board of directors. The Heefners have supported historic farmstead education school programs, and are now expanding their giving to support *Waterstriders*.

Also a current board member, **John Hershey, Vice-President of the Hershey Fitzsimmons Group/RBC Wealth Management** was instrumental in helping RI secure an RBC Blue Water award in 2013. The award helped cover the cost of equipment and chemicals for the AWA monitoring program.



outdoorsman and fly fishing enthusiast, John recently demonstrated his abiding enthusiasm for youth education and water quality activities with new financial support of *Waterstriders*.

John's investment in institute activities also extended into helping to share news about organizational accomplishments, upcoming events and opportunities for involvement with a new lead sponsorship in support of this newsletter.

These gifts will support the monthly gatherings of our young scientists under the instruction of institute faculty members, along with the field excursions and outreach activities, such as Earth Celebration Day exhibits, undertaken by the 'Striders throughout the year.

We're grateful for these new commitments to RI's efforts to make lessons *fun and relevant* for our young citizen scientists, and to help us communicate with our members.

### Nurturing for the Future

One thing can be truly said of **Alma Oyer** regarding her view of and care for community resources.



Alma has an abundant heart!

Having grown up during the Great Depression, she has expressed an understanding of “difficult times.” Both modest and heartfelt, she has also expressed the pleasure it brings her to share wealth accumulated over the course of a lifetime through a successful family business.

Alma's gifts to Renfrew Institute, now plural, will provide for the organization's activities into the future, as well as offering practical solutions to numerous present needs.

(continued on page 12)

# An Admirable Butterfly Adventure

by Maya Heffernan

Grandma and I started down the trail for the third time this week. She carried a butterfly book and I carried a net. It was a nice summer day in Missoula, a perfect day for butterfly catching.

I had been interested in butterflies ever since my mother had purchased caterpillars and I had watched the metamorphosis process. My mother, grandmother, and I let the butterflies go in Cherry Gulch.

The past few days I had hoped to catch a Lorquin's Admiral, but had gone home, unsuccessful. Even though I had spent weeks trying to catch this butterfly, I did not regret the days out with Grandma catching butterflies. I was not going to complain about not catching a Lorquin's Admiral yet, because I was still hopeful that I'd catch one.

Suddenly, I saw a faint flash of wings close by. I ran over silently and my net came down upon the pretty butterfly. I recognized it immediately as a Morning Glory. It fluttered in my net as I brought it over for my grandma to see.

"What a pretty Morning Glory you have there, Maya," Grandma complimented me. She and I had been studying butterflies and were getting good at identifying them.

"Thank you, Grandma," I replied happily. I let it go and we continued walking. Grandma spotted a large Zebra Swallowtail and I caught it and released it.

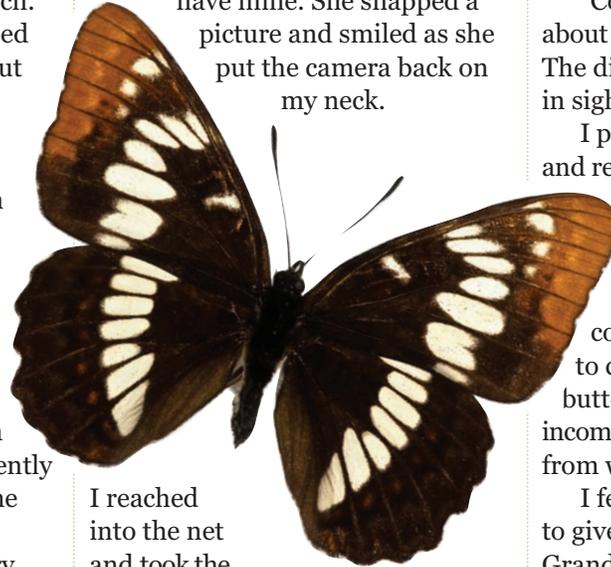
We neared a field and sat down there to eat lunch. This was the usual place we ate lunch. Grandma always packed something good. Today it was salami with cheese and crackers with a side of grapes, my favorite. We each had a cookie and continued walking.

Our adventures rarely went very far up the trail, but it was good experience for identifying butterflies.

Suddenly, a Lorquin's Admiral

flew out in front of us. I grabbed the net and flung it down upon the medium-sized butterfly. I held the net up and spotted it inside. I quickly brought it over to Grandma and her eyes sparkled with joy.

"How nice Maya! How about a picture?" Grandma said and pulled my camera off of my neck. Grandma doesn't have a camera of her own, but it doesn't matter because I always have mine. She snapped a picture and smiled as she put the camera back on my neck.



I reached into the net and took the butterfly out on my finger. Gently I set it down on my nose. It didn't fly off, it just sat there. I smiled as it crawled up my forehead and rested in my hair.

Grandma took more pictures before we slowly headed down the trail with the butterfly still delicately perched on my head. As I was walking, a man with a thick brown mustache came up to me.

"Excuse me," he interrupted Grandma and my conversation. "May I have a picture of that beautiful butterfly on your head?"

I looked to Grandma and she nodded. The man snapped a picture and thanked us.

"It's a beautiful butterfly," he mentioned before he walked away.

I didn't get too close to any hanging tree branches for fear of knocking the butterfly off my head. I decided not to touch the butterfly

and see how long it stayed. It was a challenge to keep my head still enough so that the butterfly wouldn't fall off, but I think I did well. I figured out that if I turned my head slowly enough the butterfly wouldn't even move.

"The butterfly must be sucking up the minerals in your sweat. That's probably why it's stayed so long," Grandma smiled down at me.

"Cool," I replied. I hadn't thought about why it was staying for so long. The dirt parking lot for the trail was in sight now.

I put my hand on my head gently and realized the butterfly was gone.

It had abandoned the small bit of sweat still on my head, probably gotten full.

I realized that finally I had completed what I wanted to do, to catch a Lorquin's Admiral butterfly. This was not another incomplete walk that I often returned from without what I wanted.

I felt it was an appropriate time to give a little cheer and when I did Grandma smiled. After being with Grandma all day, I went home knowing that this was an experience that I would not forget.

This is a true story of my Grandma, Elizabeth Johnston, and me.

*Maya Heffernan, 13, is a 7th grade student in Missoula, Montana. She wrote this story two years ago for a school assignment. Maya's late grandmother, Elizabeth Johnston, taught at Fairview Elementary School in Waynesboro, and was an avid hiker and birder. She and Maya spent many happy hours on Waterworks Hill in Missoula, checking on their bluebird trail and identifying butterflies. [submitted by Kathy Seiler]*



Lorquin's Admiral Butterfly (*Limenitis lorquini*). Photo source: FiveAcreGeographic

# An EXCEL-lent Internship: A Tale of Water Quality on the Antietam Watershed

By Cody Frick and Zachary Phillips, 2014 Interns

Between August and December of 2014 we completed a 240-hour internship at the Renfrew Institute for Cultural and Environmental Studies.

The primary purpose of an internship is to help students become more comfortable in a professional working environment, but our experience with Renfrew Institute proved to be much more.

This internship granted two environmental scientists the opportunity to observe and analyze the quality of water in streams and creeks within the Antietam Creek watershed in Pennsylvania.

This work is part of the Antietam Watershed Association's (AWA) stream monitoring program and is headquartered at Renfrew Institute.

## Data Analysis Begins

Although most of the internship was devoted to water sampling at stream sites, there was also the opportunity to perform data analysis on the eight years of monthly water quality data that had been collected by citizen volunteers and past interns.

One thing that we hoped to observe in the Antietam Watershed is how humans impact water quality. With the West Branch of the Antietam draining primarily agricultural land, and the East Branch draining mostly the hardwood forests of South Mountain, we had the perfect opportunity to do so.

## Updating the Database

Prior to analysis, one of our duties involved updating the AWA historic water quality database in Microsoft Excel. With the desire to teach others of our findings it was necessary to summarize the 723

water quality samples in a visual format.

Although the Institute maintains watershed records on some sites as far back as 2007, the previous database required organization to efficiently represent the data in a graphical format.



Shippensburg University geo-environmental studies graduate students Cody Frick (left), & Zachary Phillips, on the bridge over Antietam Creek at Renfrew Park. The pair studied the water quality of the East and West branches of the creek during a three-month internship with Renfrew Institute in Fall of 2014. Photo by Melodie Anderson-Smith.

To streamline data visualization, we sorted the master database by year and month, as well as by site location. In addition, we created two Excel spreadsheets devoted solely to sites along each branch of the Antietam Creek, in order to capture the effect of different types of land use on water quality.

Within each spreadsheet, we isolated the most relevant physical and chemical monitoring parameters. These parameters included: *water temperature*, *dissolved oxygen*, *nitrate*, *phosphate*, *pH*, *alkalinity*, and *turbidity* (water clarity).

Finally, we created annual graphs for each parameter, so that relationships between any of the tested parameters could be readily observed in a common fashion.

Each of the seven parameters was inserted into the new auto-populating graph, which automatically calculated and graphed each of the average monthly values. This allows the data to be clearly visible in the form of line charts and bar graphs.

## Discovering Trends

Upon graphing of each parameter, we noticed several important trends in the data. *Dissolved oxygen* levels seemed to peak when water temperatures were lowest, a quality that does not vary greatly between the East and West branches. This relationship is normal for all water bodies as cold water holds more oxygen than warm water.

More important, and related to land use, were the variations seen in organic nutrients such as *nitrate* and *phosphate*. Levels of both parameters are higher on the West branch of the Antietam watershed. This may be due

to the abundance of agriculture, as these nutrients are commonly spread on fields in the spring as food for plants. These nutrients are ultimately released in the fall as crops decompose following the harvest.

Specifically, average *nitrate* levels on the West (agricultural) branch are three to five times higher than on the East (forested) branch. *Phosphate* levels are less skewed between the branches, with levels on the West branch slightly smaller than twice those of the East branch.

An additional measurement related to land use is *turbidity*, or water clarity levels. Through the data we found that the West Branch of the Antietam consistently shows higher levels of *turbidity* reflecting sediment in the water.

continued on page 9

**Mitigating Land Use Issues**

Since sediment (soil particles, often with adhering pollutants) flushes into streams during storm water runoff events, it can be controlled by installing and maintaining streamside vegetation (shrubs and trees) in both urban and rural areas. On farms in particular, keeping cows from trampling stream banks or entering the stream also helps with sediment control.

This strategy of “buffering” channel lengths with vegetation can also reduce levels of *nitrates* and *phosphates* that would otherwise run off from agricultural land and enter the channel, proceeding downstream.

**Future Value of Data**

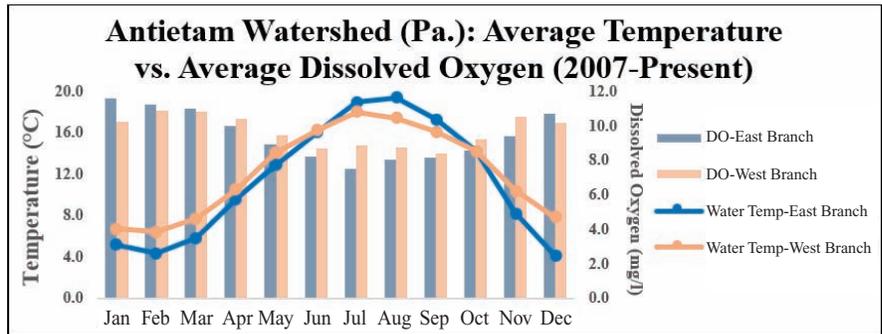
In conclusion, the work completed as part of our internship will provide greater insight into the physical state of the Antietam Creek and its overlying water quality issues.

Aside from all of the great lessons we have personally learned from working with Renfrew Institute, our results from visualizing the eight years of water quality data can be useful in the future—guiding decisions for the application of “best management practices” to reduce the human impact on the Antietam Watershed.

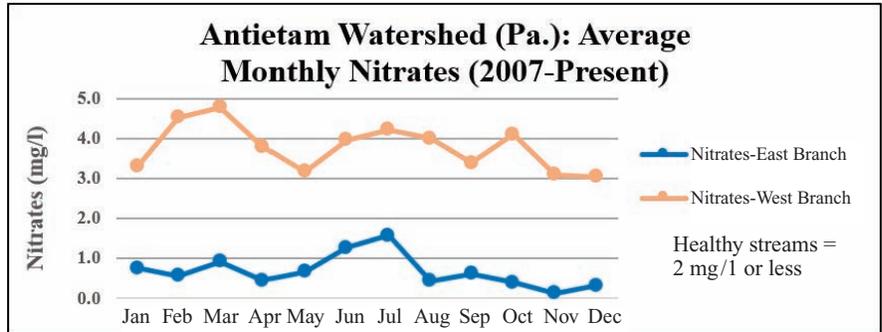
For the two of us, this internship opportunity has allowed for personal and professional skill development in many areas.

However, it was also an opportunity to make a larger impact in the local community. Through the analysis and visualization of a tremendous amount of work put forth by past interns and dedicated volunteers, we were able to identify trends in water quality that reflect the way humans use the land.

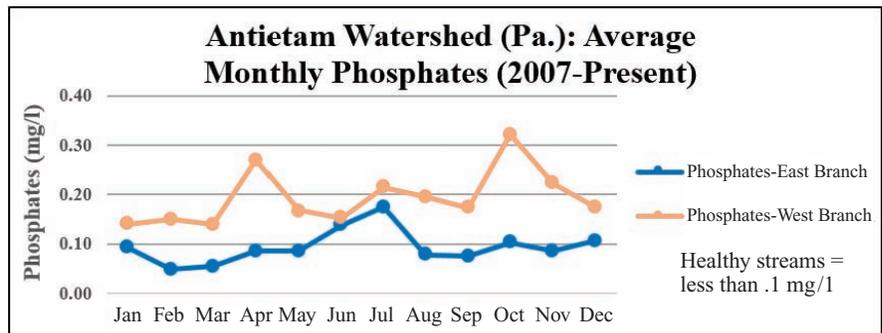
*Right: several graphs created by interns, Cody Frick and Zachary Phillips illustrating various water quality parameters from data gathered between 2007–2014.*



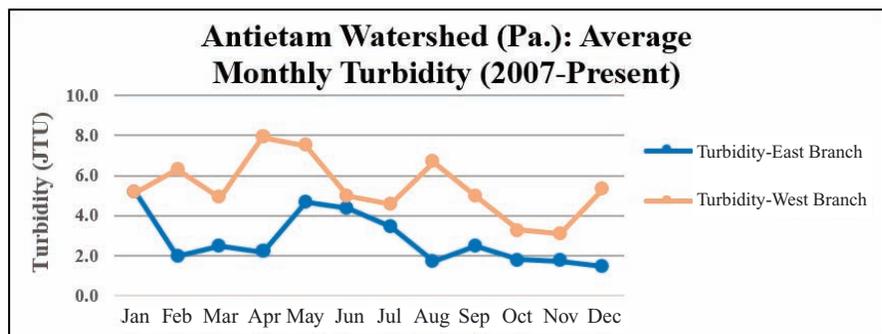
*Dissolved oxygen levels peak when water temperatures are lowest. This relationship is normal for all water bodies as cold water holds more oxygen than warm water, so the trend was essentially the same for both East and West Branches.*



*Average nitrate levels on the West branch of Antietam Creek (primarily agricultural land) are three to five times higher than on the East branch (primarily forested land).*



*Phosphate levels are also affected by agricultural land use, but the amounts present along the two branches are less skewed than nitrates, with levels on the West branch slightly smaller than twice those found on the East branch.*



*Turbidity, or water clarity level, is affected by the amount of sediment (soil particles, sometimes with adhering pollutants) in the water. The data reveals that the West Branch of the Antietam (primarily agricultural land use) consistently shows higher levels of turbidity, reflecting sediment in the water. Installation of tree plantings along streams is helping farmers reduce stream bank erosion and runoff from fields.*



# Are you ready to SCRAMBLE?

## SALAMANDER SCRAMBLE

On **Saturday the Fourth of July**, walkers, runners and scramblers of all stripes will assemble under the *Team Salamander* tent as participants in Renfrew Institute's 8th Annual Salamander Scramble Fundraiser 5K.

Team members will don the famous eco-tech jerseys, adorned with the salamander logo, a Tom McFarland original design.

Having collected pledges (or having cut their own check) in support of their effort, they'll complete the festive race day course as a part of Waynesboro Jubilee's Firecracker 5K.

### Who Can Scramble?

Contestants of all athletic abilities are invited to participate. Team member perks include an eco-tech team jersey, training guidance and camaraderie through CFAR (Waynesboro's local running club and event sponsor), free registration for the Firecracker 5K, icy towels at the finish line, the opportunity to win great prizes, and a VIP Team Salamander Only Comfort Tent supplied with cold drinks, bagels and even seated massages!

We'll provide fundraising materials as you seek pledges, and will help with your post event thank-yous.

### Want to get in on the action?

Please join us to run, walk or *scramble* in support of Renfrew Institute's educational school series and family programming throughout the year.

#### Here's how to sign up:

1. Complete the paper registration form (downloadable from our website [www.renfrewinstitute.org](http://www.renfrewinstitute.org)) and return to Renfrew Institute's office.
2. Get the "secret code" that will permit you to register ONLINE for FREE as a *Team Salamander* member. (The code is provided by us after we receive your registration.)
3. Download your pledge form and collect your pledges.

Early registrants will be entered in a **prize drawing** to be awarded at the CFAR Family Picnic on June 13. We're giving away two (2) entries to CFAR's own *Mad Anthony Half Marathon*, along with two (2) Waynesboro YMCA trial memberships (donated by the YMCA) in order to support your cross training.

Youth participants aged 5–17 will be entered into a drawing for a chance to participate in the YMCA's Inaugural Youth Summer Running Camp.

The **GRAND PRIZE** for the **top fundraiser**, to be awarded July 4, is four (4) tickets—great seats, choice of dates—to an Orioles baseball game, donated by John and Erin Hershey. Additional prizes will be awarded on race day...too numerous to mention!

**Call or email for additional information. Get your scramble on, and join the FUNdraising!**

Thanks to our 2014 Participants, Sponsors and Volunteers,  
Renfrew Institute's 7th Annual Salamander Scramble 5K  
Fundraiser was a **BIG SUCCESS!**

**Proceeds after expenses = Wow—\$7,000!!**

Your support of this event ensures the continuation of the many educational programs and community events that people love and expect from Renfrew Institute.

On behalf of the Scramble Committee, Renfrew Institute and our community,  
**SINCERE & HEARTY THANKS!**

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# Oh! How they Scrambled... in 2014



Team Salamander 2014

West Coast Scrambler  
Bea Bocalandro!

Photos by Tracy Holliday

The purchase of sit-upons used by visiting student naturalists has been accomplished and they have been “deployed,” providing dry cushioned seating “in the field” for our young visitors. We’ll also purchase ponchos for student use on rainy day visits and a large event canopy to replace one we’ve had to borrow and transport from offsite.

Technology upgrades are being planned that will improve the ways interested people may receive information about institute happenings and news about opportunities for involvement. These upgrades will also improve efficiency in our communications with the educator community served through our school program series.

This is just a bit of the “good” that will be accomplished through Alma’s gifts. The magnitude of her most recent contribution will also provide the institute with a welcome mechanism for delivering a strategic income stream in support of professional staff salaries.

First established with a gift from Leonora Bernheisel in 1996, and renewed annually in support of the Director of Cultural Studies, the Faculty Chair is a helpful vehicle for building and maintaining high caliber and fairly compensated professional leadership.

Renfrew Institute will now have its second Faculty Chair. Alma’s contribution will serve over a five-year period as professional staff salaries are addressed within current strategic planning.

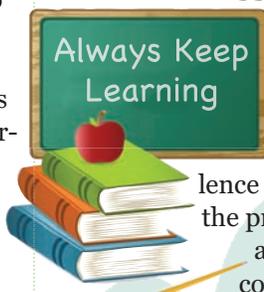
It is our goal to fund additional Faculty Chairs in support of the Director of Environmental Studies and the Director of the Pennsylvania German Four Square Garden within the coming year. Stay tuned for more information as the organization finalizes updates to its Strategic and Long Range Plan.

Meanwhile, please join me in extending much gratitude to Alma

for her role in providing the financial means of achieving institute goals in the immediate and longer term. Join me, too, in acknowledging her abundant heart!

### Professional Development

Retired **Judge Richard “Dick” Walsh** and **Peggy Walsh** place



high value on continued learning, evidenced by both in their enduring excellence while serving in the professional law and education communities.

Currently a member of Renfrew Institute’s board of directors, Judge Walsh served in Franklin and Fulton counties for 15 years. He was praised by his peers for possessing qualities that included discernment, sensitivity and diligence.

As a result of his own pursuit of professional excellence, Dick Walsh has been recognized as an important figure in the Franklin County legal community. Achievements such as the implementation of the Criminal Justice Advisory Board, the support master system and the local civil procedural rules update were accomplished during his tenure.

As a result of his work with the Criminal Justice Advisory Board, Dick received the prestigious Ludgate Award by the Pennsylvania State Conference of Trial Judges.

Also recently retired, Peggy Walsh taught American history at Boonsboro Middle School in Maryland. Teaching history to 13-year-olds can be a tall assignment in an era of techie devices and a “plugged-in” teen population more prone to looking ahead to the next gadget than looking to the past.

Peggy recognized the importance of making history relevant to her young charges. By inviting children to link history to their community and families, she was able to help

kids find history in their own lives.

“Boonsboro is a place where a lot of history has happened,” Peggy said. “These kids have their back yards right on [Antietam] battlefield. The National Road, which passes through Boonsboro, was a key piece of our nation’s transportation infrastructure. And every single year, kids tell me about a barn that they know about or their grandma’s house that has secret compartments for the Underground Railroad. I’m just amazed.”

Praised by students and peers alike, Peggy enjoyed the fruits of being a well-regarded educator. She was nominated as Educator of the Year during her tenure at Boonsboro Middle School.

Emphasizing the ‘story’ in history aligns Peggy’s educational strategies with those of Renfrew Institute.

We’re grateful to the Walshes for their recognition of the importance of expanding knowledge for the institute’s professional staff in the organization’s quest for programming excellence.

### Their recent gift in support of Professional Development

provides funds for RI faculty members to attend professional conferences (Melodie Anderson-Smith, Doris Goldman and Kathy Seiler recently attended the Pennsylvania Association of Environmental Educators Conference at Raystown Lake) and skills-based training (Pam Rowland and Beth Skroban recently attended a weaving class at the renowned Mannings Handweaving School in East Berlin, Pa. [See photo on page 27])

Thanks, Dick and Peggy, for your gracious partnership in Renfrew Institute’s pursuit of excellence!

*(continued on page 30)*

# Summer Institute 2014

Summer Institute programming combines learning with FUN plus activities with FUN and Summer with FUN! Plan for some FUN times with Summer Institute this year!

Visit [www.renfrewinstitute.org](http://www.renfrewinstitute.org) for more information!

Photos by Beth Skroban.



Plans for Summer Institute 2015 are about ready to roll! Check our website for information: [www.renfrewinstitute.org](http://www.renfrewinstitute.org)



See the enclosed 2015 Summer Institute brochure!

# The Inaugural Mason-Dixon Appalachian Trail (AT) Outdoor Festival on Saturday, June 20—VOLUNTEERS WELCOME (NEEDED!)

Nearly a year since receiving official recognition from Appalachian Trail Conservancy (ATC), the Greater Waynesboro PA Area Appalachian Trail Community committee has not allowed any moss to grow on our Pennsylvania stones—we have been busy!!

## Hikers Festival

Part of our national partnership with ATC requires a yearly community hikers' festival. Working with business and government volunteers, we are shaping a wonderful event for hikers and the community on **Saturday, June 20 from 10 a.m. to 4 p.m.** The festival is open to the public, free admission.

## Perfect Location

Washington Township's **Red Run Park** is the perfect setting—at the foot of the mountain, barely a mile below the AT. Through-hikers will be permitted to camp in the park Friday and Saturday nights, even with their dogs.

## Activities & Participants

Organizers welcome sponsors, and are looking for vendors related



to the outdoors, the environment, and food! Blue Ridge Summit Fire and Rescue will be on hand with equipment displays, first aid station, and food stand.

Music for the event includes Mateo Monk, Drew Adams, Second-hand, Cumberland Shakedown, Rooster and the Renegades, and Pooch and the Moochers.

Contests, kid's activities, displays of local non-profits, and special guest appearances by *Crumbsnatcher the Shelter Mouse* and *Smokey Bear* add to the fun.

## Pick a Duck, Any Duck

The Antietam Watershed Association (AWA) will be holding a

Duck Derby fundraiser. Ducks start swimming at 2 p.m. Pick a duck to win and buy a chance to raise funds for AWA.

AWA is celebrating 10 years of their stream monitoring program partnership with Renfrew Institute and will demonstrate water quality testing methods. **All stream monitors, past and present, are invited to picnic together in the AWA pavilion.**

## Hiking Expedition

Other featured activities include *The National Subaru Leave No Trace Team*. The team will arrive Friday and camp all weekend, giving demonstrations during the event and along Sunday's hike from Old Forge picnic area to Tumbling Run shelter—everyone welcome to join the hike, but please register at Saturday's festival hiker table.

Anyone interested in helping out during this inaugural event, email Kathy Seiler at seilerkp@gmail.com, or atwaynesboropa@gmail.com, or call Mainstreet Waynesboro at 717-762-0397.

Kathy Seiler



Through the magic of Photoshop, institute faculty member, Lori Schlosser, holds a great horned owl in the woods at Renfrew Park. Lori conducts two popular annual owl walks in the park. See "Fan Club" notes at right.

## Owl Talk...

Lori Schlosser and institute staff members were delighted to receive these notes from Owl Walk participants:

"Absolutely amazing !! Thank you for everything. We had a fabulous time. Looking forward to the winter walk!" —Linda Reeder, Nov. 2014

"We just wanted to say Thank You for the owl walk! Lori, our owl expert and guide, shared with us her knowledge of owls and showed extreme patience in calling the owls.

How amazing it was to actually see a screech owl fly in and rest in the trees and bushes in front of us! The owl even let Lori shine a light up softly so we could see it better. How precious! And the brightness of the moon also helped us see the owl as it was flying and landing.

I've been trying to get in on one of these walks for a couple of years. We were on the waiting list and fortunately a spot opened up.

Thank you again for your time and dedication to Nature and its Beauty! And thank you again, Lori." —Paulette Keck, Nov. 2014

Note: Thanks to stand-in owl expert, **Jack Olszewski** for leading the winter walk when Lori had an unavoidable conflict. The institute is fortunate to have both of these fine leaders in our staff and volunteer families.

# NEWLY FORMED!

## Renfrew Institute Advisory Council— Recognizing the Contributions of Past Board Members



At its July 21, 2014 board meeting the RI board voted to establish the **Renfrew Institute Advisory Council**. The Council is open to past RI board members who desire to keep a closer relationship with the ongoing work of the RI board and with the activities of the institute.

The Council is based on a model that has worked successfully for other organizations like Antietam Watershed Association,

Conococheague Institute and the Nicodemus Center for Ceramic Studies.

Many of our past board members serve on various committees and as endowment trustees. The Council provides an additional, easy way to stay involved even for those who prefer not to serve formally on committees.

Membership on the Council is entirely optional and exclusive—offered only to outgoing or former RI board members. There are no scheduled Council meetings and no extra cost to join (beyond regular RI membership).

Council members are kept informed of board activity, may attend board meetings (as non-voters) and may be called upon to advise the board as needed. Returning to the board to fill vacancies is also an option.

Most importantly, the institute confers this emeritus status on Council members to recognize and honor the contributions of these volunteers over the years, their commitment to the mission of the institute and their dedication to the continued work of the organization.

We welcome the following past board members (with offices held during their terms) who have accepted membership on the Advisory Council (as of April 1, 2015):

Sandy Beaumont  
 Maxine Beck (*secretary, president*)  
 Leonora Bernheisel (*secretary*)  
 Garrett Blanchet  
 George Buckey (*vice-president, president*)  
 Steve Graham  
 Pat Heefner  
 Dick Hersh (*treasurer*)  
 Dudley Keller (*founding president*)  
 Dennis Koons (*vice-president, president*)  
 Lynn Y. MacBride (*president, current endowment trustee*)  
 Barb Mitges  
 Susan Shull Murphy  
 Debbie Pflager  
 Christopher Richwine (*vice-president, current endowment trustee*)  
 Jim Rock (*president, current endowment trustee*)  
 Dave Secor (*treasurer*)  
 Pat Shew (*treasurer*)  
 Andrew Sussman (*vice-president*)  
 Undine Warner  
 Linda Zimmerman (*vice-president, president*)

### Note to Past Board Members:

If you haven't already, you may join the Council at any time. Just contact us by phone (717-762-0373) or email ([info@renfrewinstitute.org](mailto:info@renfrewinstitute.org))

*We welcome your participation!*

## South Mountain

*continued from page 1*

The Partnership promotes a conservation ethic and serves as a coordinator of projects and initiatives that connect the partners, allowing them to communicate, and find ways to work together to preserve and promote our South Mountain way of life. It is a lofty goal, championed by outstanding leaders, and led by talented professionals.

Jon Peterson, environmental planner in the Appalachian Trail Conservancy's Mid-Atlantic regional office, is one of those professionals. I asked Jon if we could reprint an article he wrote for the *Appalachian Trail Journeys* magazine.

With the journal's permission it appears on pages 18–22. Don't miss it. Jon helps us see the importance of the landscape perspective. He is also asking us to think about what makes this South Mountain landscape precious to us.

Renfrew Institute's mission is aligned perfectly with the goals of the Partnership. We develop programs that instruct and inspire people of all ages to understand and steward the cultural and natural heritage of our landscape.

We reach beyond sometimes, to grasp the place within the broader world that our home region occupies. But our research, our learning, our programs begin with the South Mountain Landscape.

The Royer farmstead at Renfrew is a living example of all that is special about this landscape.

Enjoy Jon's article and please send any comments you might have (or essay you might write) reflecting your feelings about our South Mountain landscape home.

Melodie Anderson-Smith

UPDATE: Since this writing, Jon Peterson has announced his departure from the ATC. He and his wife are returning to their home area in New England and are expecting their first child. We wish them all the best. And we thank Jon for his excellent leadership during his time with the South Mountain Partnership.

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Includes 2013–14 members and new/renewed for 2014–15

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(continued on page 17)

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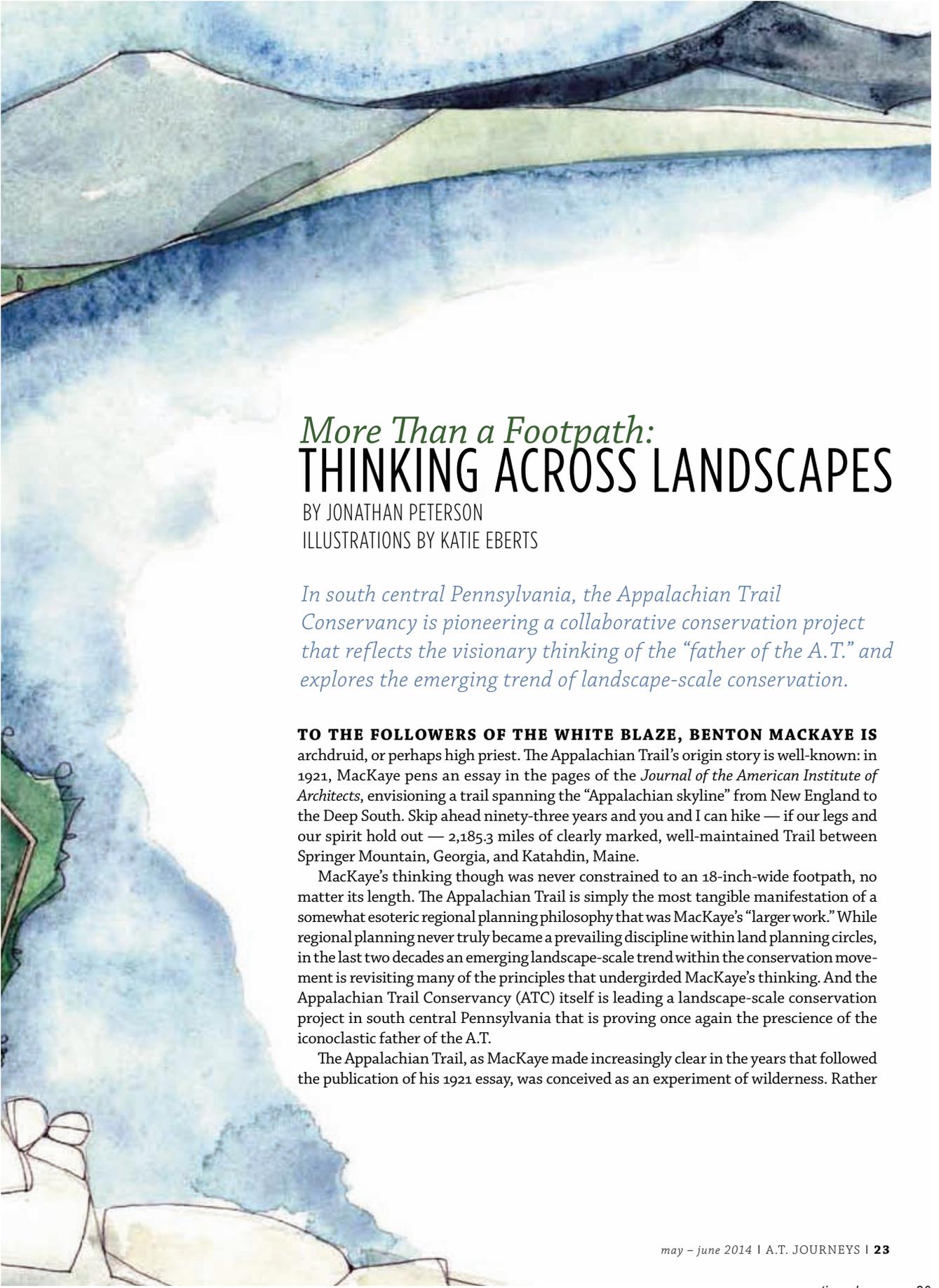
### **Organization Exchange**

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*(continued on page 28)*

This article is reprinted here courtesy of  
A.T. Journeys magazine/The Appalachian Trail Conservancy.





*More Than a Footpath:*  
**THINKING ACROSS LANDSCAPES**

BY JONATHAN PETERSON

ILLUSTRATIONS BY KATIE EBERTS

*In south central Pennsylvania, the Appalachian Trail Conservancy is pioneering a collaborative conservation project that reflects the visionary thinking of the “father of the A.T.” and explores the emerging trend of landscape-scale conservation.*

**TO THE FOLLOWERS OF THE WHITE BLAZE, BENTON MACKAYE IS** archdruid, or perhaps high priest. The Appalachian Trail’s origin story is well-known: in 1921, MacKaye pens an essay in the pages of the *Journal of the American Institute of Architects*, envisioning a trail spanning the “Appalachian skyline” from New England to the Deep South. Skip ahead ninety-three years and you and I can hike — if our legs and our spirit hold out — 2,185.3 miles of clearly marked, well-maintained Trail between Springer Mountain, Georgia, and Katahdin, Maine.

MacKaye’s thinking though was never constrained to an 18-inch-wide footpath, no matter its length. The Appalachian Trail is simply the most tangible manifestation of a somewhat esoteric regional planning philosophy that was MacKaye’s “larger work.” While regional planning never truly became a prevailing discipline within land planning circles, in the last two decades an emerging landscape-scale trend within the conservation movement is revisiting many of the principles that undergirded MacKaye’s thinking. And the Appalachian Trail Conservancy (ATC) itself is leading a landscape-scale conservation project in south central Pennsylvania that is proving once again the prescience of the iconoclastic father of the A.T.

The Appalachian Trail, as MacKaye made increasingly clear in the years that followed the publication of his 1921 essay, was conceived as an experiment of wilderness. Rather

than as a corridor of movement between destinations, an Appalachian Trail would hold utility only to the extent that it allowed a physical, psychological experience of wilderness: MacKaye's Trail was a pathway to a "somewhere" not found fixed on any map.

To a hiker, this notion of a dislocated destination may (or may not) be disconcerting, but remember, MacKaye, along with the likes of Bob Marshall and Aldo Leopold, was a founding member of the Wilderness Society. This cadre of early conservationists viewed wilderness not as a passing fancy but as a fundamental need, a redoubt from an invading modernity that was everywhere encroaching on "primeval" environments and the human spirit.

Perhaps more so than his fellow conservationists in the 1930s, MacKaye's wilderness ethic was a tenet embedded in a larger conceptual framework. MacKaye saw wilderness as inextricably linked to all that happens elsewhere in our human landscapes of communities and cities. Recognizing these linkages suggested a broader perspective, and pushed MacKaye to train his attention on a geographically regional scale that brought three "elemental environments" into focus: the primeval, the rural, and the urban. The manner in which these three fundamental strands weave together to form a landscape defines the nature of the human experience within the physical world.

And therein we find MacKaye's core philosophy: that comprehensive regional analysis considerate of the three elemental environments — and the manner in which human activity (communities, commodity flows, employment, and leisure) manifest within and shape these environments — empowers communities to create a world and human experience in which our "psychologic needs" are realized. In finding a proper balance of the dynamically integrated environments within our native landscape, mere existence gives way to a more fundamental living.

### LANDSCAPE, CULTURE, AND COMMUNITY CONVERGE

The Appalachian Trail then arose from a deeper core philosophy: what drove MacKaye from an intellectual standpoint was the relationship of humanity to the physical world upon which we depend. A regional planner's work was to find the balance across the elemental environments of our physical landscape as a means of enabling meaningful, dignified human experiences. MacKaye, the regional planner, saw the Appalachian Mountains as a native dam to stem an invading modernity threatening to homogenize the three elemental environments into a single sea of the urban. An Appalachian Trail would serve to break the invasion, preserve primeval environments, and provide human access into the

wilderness so central to our psychological nourishment.

The Appalachian Trail, as it enters Pennsylvania from the south, bisects the South Mountain landscape in a 60-odd mile jaunt from the Pennsylvania/Maryland border to the Cumberland Valley north of Boiling Springs. Those who have read Bill Bryson's *A Walk in the Woods* may assume the A.T. assiduously avoids any areas of real beauty within Pennsylvania: neither memorable vistas nor reliable water, but rather fierce rattlesnakes and a ceaseless sea of rocks. Those who have hiked — and especially those who lift an occasional eye from the Trail tread — may recall a different landscape, and know that Mr. Bryson, in this particular case, is not quite accurate.

The South Mountain landscape, a half-million or so acres in size, is defined by folds of forested uplands and the surrounding fertile valleys and communities. The uplands, some 2,000 feet in elevation and four to six miles in width, constitute the northern terminus of the Blue Ridge Mountains, a main geologic province of the Appalachian Mountains that the A.T. has followed from Georgia up through Virginia. Located within the Pennsylvania counties of Adams, Cumberland, Franklin, and York, the South Mountain landscape offers a unique convergence of natural and cultural elements.

The forested South Mountain, including the 85,000-acre Michaux State Forest, is perhaps the largest intact forest between Harrisburg and Washington, D.C., offering important wildlife habitat and innumerable ecosystem services, not the least of which is a seemingly limitless supply of clean water. By some accounts, nearly 80 percent of the region's residents drink water filtered and

stored by the forests and underlying geology. From valley to ridgeline, everywhere is evident a deep human legacy: Native American quarry sites, Civil War battlegrounds, and a secret World War II P.O.W. camp. More subtle but no less important is the story of the iron industry, fueled by an ostensibly boundless forest — and the story of South Mountain as a nationally important cradle of forestry and conservation when the nineteenth century iron tycoons proved the limits of these woodlands. The valleys too carry a rich agricultural legacy. The Cumberland Valley boasts some of Pennsylvania's most productive agricultural soil, and topography and geology converge in a 20,000-acre nationally significant "Fruit Belt" along the eastern toe slope of the mountains. And while one need not look beyond the A.T. to witness the region's continued recreational value, the story here is much larger as well. Its proximity to Baltimore and Washington, D.C. has made the South Mountain landscape and its public lands an outdoor playground.



MacKaye's Trail was a pathway to a "somewhere" not found fixed on any map.

*No particular aspect of this landscape can singularly define it ... from valley to ridgeline, everywhere is evident a deep human legacy.*

So while no particular aspect of this landscape can singularly define it, the dynamic convergence of such diverse resources in a geographically distinct region of Pennsylvania make this one of the state's more unique, special landscapes. Out of this landscape, the South Mountain Partnership has coalesced as a collaborative effort to conserve a distinctive rural landscape.

The Pennsylvania Department of Conservation and Natural Resources (DCNR) and the ATC are collaborating to manage the partnership as a public-private endeavor. The ATC is working to adapt DCNR's visionary "Conservation Landscape" model, designed to consider environmental protection and economic and community development within special landscapes across Pennsylvania, to the specific context and elements of the South Mountain landscape. In doing so, the ATC is explicitly exploring the principles of landscape-scale conservation.

## SHIFTING PERSPECTIVES

As landscape-scale conservation has emerged as a prevailing trend within conservation circles over the last two decades, a clearer understanding of this concept is taking shape as well. Three overarching landscape-scale conservation principles are governing the partnership's approach.

The first principle is a shift in geographic scale. Consider the word "landscape." According to the Merriam-Webster dictionary, a landscape is "the landforms of a region in aggregate." Implicit in this definition is the regional geographic frame of reference that MacKaye embraced. From a conservation perspective, decades of scientific research has built an emerging systems-level understanding of the natural world and has underscored the importance of habitat connectivity across scales for wildlife population dynamics. To sustain biodiversity and ecological function, conservation must transcend arbitrary boundaries and move well beyond a site-specific, parcel-by-parcel approach. In south-central Pennsylvania, the partnership is bringing these emerging conservation themes to bear across a near half-million acre landscape.

A second principle is rooted in a shift in perspective. Much conservation narrowly considers natural resources or conserved parcels in isolation, but recall here MacKaye's primeval, rural, and urban elemental environments: wilderness and conserved lands, farm fields and working forests, communities, and industrial lands are all part of a fully integrated entity, a landscape, and do not exist independent of one another. If a geographically expanded scale is adopted, perspective too must expand to consider these elements in an integrated manner. Here too, in a region defined not by any single resource but by the

unique combination of natural, cultural, recreational, and agricultural resources, the partnership is comprehensively considering how to sustain the dynamically interrelated elements of the landscape.

The third and final principle is rooted in a shifted understanding of process. At the smaller scale of a distinct parcel of land, conservation can rely on clear-cut direction from a single manager. But the very essence of a landscape — the expanded geographic scale and the shift in perspective to encompass the interrelated elements therein — extends the management discussion well beyond the purview of any single organization. Truly embracing landscape-scale principles removes any clear decision-making hierarchy and introduces a diversity of stakeholders and participants. A landscape-scale approach then, demands an inclusive, participatory process.

The South Mountain Partnership's origins trace to an 850-acre land acquisition that had been years in the works before finally closing in 2011. The White Rocks Acquisition, which preserved land along the northernmost ridge of the South Mountain in Cumberland County, brought together a core group of conservation partners and initiated a broader conversation about the protection of the region's landscape in the face of a burgeoning land-use conversion and development threat. The partnership arose not out of a void of activity but rather organically out of on-going dialogue and collaboration.

From this origin six years ago, the partnership has continued to prioritize collaboration; an inclusive participatory process has expanded the partnership into a collaborative network ranging across diverse perspectives, from traditional conservation organizations and Trail groups to historical organizations; from agricultural professionals and food systems advocates to health organizations; from educators and academics to tourism promoters, economic development and community organizations, and businesses.

Indeed, in large part because of the strength of these engaged and active partners, process has been a paramount focus of the partnership's work; the South Mountain Partnership does not acquire or hold land, nor is it implementing Trail construction projects or historical preservation efforts on the ground. Rather, it focuses on a strategic landscape role within the community of collaborators. It serves as a convening vehicle to provide regular, consistent space for individuals and partners to engage in dialogue across different perspectives in the interest of identifying common ground to improve the future of the landscape. Further, through programs like an annual "Speakers Series" of lectures on various aspects of the landscape's defining and unique resources, the partnership engages the broader public in the dialogue to



The A.T., threading through fourteen states, and joining a vast span of the Appalachian Mountains, has stood as a landscape-scale project for nearly a century.

reinforce the common sense of place and underscore the landscape's significance. Finally, the partnership endeavors to translate the conversation into action on the ground by supporting partner activities through a flexible mini-grant program funded by DCNR's continued investment.

Collectively, these particular activities and programs define a strategic and specific niche for the partnership. As a facilitator, integrator, interpreter, and catalyst, it strives to bring people together across political and sectorial boundaries to highlight the importance of the landscape and take action to secure its future.

Rooted in the deep philosophical connections between Benton MacKaye's regional planning philosophy and the emerging principles of landscape-scale conservation, the South Mountain Partnership offers the ATC a vehicle to explicitly explore landscape-scale conservation and the three fundamental shifts in scale — geography, perspective, and process. And, really, who better than the ATC to be spearheading a landscape-scale conservation project? The A.T., threading through fourteen states and joining a vast span of the Appalachian Mountains, has stood as a landscape-scale project for nearly a century. But the lessons that are emerging from the South Mountain Partnership suggest that landscape-scale conservation is about much more than an enlarged geographic focus — and, perhaps, even that the shift in perspective to recognize the interrelated reality of the world and the shift in process to build a participatory dialogue are actually the key elements of landscape-scale conservation.

To me, what the partnership — and hence landscape-scale conservation — is then is a collective conversation through which residents and communities may envision the future condition of our human relationship with the native landscape upon which

we live. In shaping our interactions with the landscape, what values are we seeking? How do we want the South Mountain landscape to look in a century, and what is our hope for our communities herein?

Conservation at the landscape scale offers a means of empowering communities to conserve the interwoven fabric of resources that are so critical to our sense of place and quality of life. Despite the ever-deepening technological mask that strives to obscure this truth, our human lives are dependent upon the land on which we live. A comprehensive approach to considering physical land at a landscape scale — and the natural and cultural elements that are interwoven therein — is critical to sustaining this ecological foundation and promoting the meaningful, fulfilling experiences that transcend merely existing to reach the more fundamental living that MacKaye sought.

Benton MacKaye employed a fanciful literary conceit in his 1921 essay: a "giant" stepped along the spine of the Appalachian Mountains in a few short paragraphs to sketch out the value of this repository of wilderness. MacKaye's giant encapsulates the regional perspective so central to his philosophy, giving him the vantage point from which to observe the interplay of the elemental environments of our landscapes. As we reflect on the work of emerging initiatives such as the South Mountain Partnership, it's clear that what MacKaye envisioned in the early twentieth century, and spent his entire life thinking about, is increasingly reemerging in the field of landscape-scale conservation. How do we — as individuals, communities, and societies — interact with the physical world to achieve meaningful, dignified lives in sustaining (and sustainable) landscapes? There are no easy answers or solutions here, but work in this vein follows in the footprints of an intellectual giant. ▲

Jonathan Peterson is an environmental planner in the ATC's Mid-Atlantic regional office, where he directs the South Mountain Partnership.

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For more information visit:  
[southmountainpartnership.org](http://southmountainpartnership.org).

# Honoring The Seams That Bind...



Renfrew Institute is honored to receive memorial donations on behalf of the late **Alice Mae (Krenzer) Mellott**.

These funds have been designated to support the institute's farmstead interpretive program, *Growing Clothes: Flax Culture of the Pennsylvania Germans*.

Alice spent a lifetime in farming, and was also an expert seamstress, making the heritage of flax culture—"growing clothes"—a perfect tribute.

## Sewing the Seeds

The transformation of flax straw into linen cloth is a marvel to witness. Glossy brown seeds are sown in April and by mid May, blue flowered stalks wave in the spring breeze.

About a hundred days after planting, stalks and seed heads are mature and ready to be pulled, roots and all.

## From Seed to Cloth

Valuable fibers are teased from the rigid flax straw through a complicated process of *retting* (rotting) to free the fiber from the hard core, drying on a wood-fired kiln, *braking* and *scutching* to separate the core from the fiber, *hatcheling* to comb the fibers, and finally spinning, weaving and sometimes, dyeing.

Visiting students learn that for early Pennsylvania German settlers, the process encompassed an entire year from seed to skirt or trousers, with labor contributed by nearly every family member along the way.

## Cloth of the Farm

The resulting linen, the 'cloth of the farm,' was traditionally used to meet farm family needs including everything from clothing to feed sacks to bedding.

Sewing was a crucial household skill that took the linen cloth through its final transformation into a useful household or clothing item.



## A Family Farming Heritage

Alice Mellott spent most of her long life on a farm. Born in rural Clear Spring, Md. in 1921, she grew up there, and married her late husband, Charles "Bud" Mellott in 1940.

She and Bud began their shared lives engaged in farming, raising bountiful gardens to feed their family, growing and harvesting a variety of crops, and dairying, first in Greencastle and later in the Upton/LeMasters, Pa. area.

## Creating Heirlooms

Alice helped provide for her family's needs in the hardworking ways farm life requires. Possessing all the skills necessary to run a successful farm, she was also an excellent seamstress.

As her five daughters set up housekeeping on their own, she made each of them a set of custom draperies. Each also received an elaborate handmade quilt, lovingly designed and expertly crafted.

Later, she made beautifully tailored riding jackets for her granddaughters' equestrian pursuits—highly-styled coats, complete with bound buttonholes.

Alice shared her sewing skills beyond her family, even creating custom draperies for her church.

## Connections

One of Alice's daughters, Patricia Shew, is a former institute board member and continues to serve on the organization's Advisory Council.

Pat and her husband, Richard are frequent volunteers and "cheerleaders," appearing with home-baked goodies for fundraisers and occupying important roles during many institute events.

Pat's great grandsons, Logan and Blake have been eager participants in the institute's activities for youth, especially through Summer Institute. And Alice herself was a supporting member of Renfrew Institute during her life.

We're deeply grateful for the family's care for Renfrew Institute, and touched by their choice to designate the organization as a recipient of memorial gifts as they remember Alice.

In reflecting on the loss of their mother, Pat said, "All five of us really miss our mother and are adjusting to her absence from our lives."

We extend thanks to Pat, and to her sisters, Ruth Mowen, Beverly Beam, Jocelia "Joie" Rotz and Betty Lou Shriver.

It is our honor to recall this remarkable woman with a *Flax Culture* sponsorship, permitting us to share her love of farming and the stitching together of a happy family life—perhaps even planting seeds within our young visitors for the cultivation of future farmers, seamstresses and tailors!

Tracy Holliday

*Thank you to the following who have made donations in memory of Alice Mellott:*

Patricia Ambrozaitis  
Bonnie Bachtell  
Scott Bachtell  
Maxine & Steve Beck  
Barbara Bowersox  
M. A. Clopper  
Fred & Carol Delaney  
Phyllis Alta Dick  
Kevin & Elizabeth Dougherty  
Pinky Gillard  
Steve & Andrea Hill, Jessica, Jared, & Julianne  
Judy and Donnie Hoffman  
Dean Kretzer & Family  
Lynn MacBride  
Margaret Mackley  
Ed Miller  
Brian & Ann Moore  
Linda K. Pauli  
Deborah Pflager  
H. Glenwood Ritz, Jr.  
Joseph & Laura Shull  
Jeanne Singer  
Jo Spigler  
Jim & Cindy Stoneburner



O, wind, if winter comes,  
can spring be far behind?

~Percy Bysshe Shelley

Photographer and RI volunteer, Andy Rovelstad, captured some of winter's magic with Antietam Creek in a snowy landscape.

## Memorial & Honorial Donations

Thank you to the following who have each made a special donation to Renfrew Institute. Please see additional memorials listed under Endowment Corner (page 2), Sponsorships (page 28), and the article about Alice Mellott, (page 23)

*In memory of...*

**Alberta Barkley**

by Steve Graham

*In memory of...*

**Joyce Ceyler**

and

*In honor of...*

**Eunice Statler**

by Richard D. Ceyler

*In memory of...*

**Gail Hammond**

by Steve Graham

*In memory of...*

**John W. and  
Margaret Keller**

by Jeffrey Koch

*In honor of...*

**Tracy Holliday**

*And in memory of her mother...*

**Mildred Holliday**

by Mary Ann Payne

*In memory of...*

**Nancy Creager**

by Max Creager

### Note from a Former Renfrew Institute Intern

Hannah Beker was an intern with the institute during 2012. In a recent email, she wrote:

"I'm looking into ways to become a private school teacher or work within

science museums or aquariums.

The time I spent with you guys affected me and now I want to teach environmental science."

Hannah Beker



Hannah Beker, during her RI internship.

# All Work and No Play...is Never a Good Idea— Institute Interns Work Hard AND Play Hard!

Celebrating Earth Day 2015 with a time-out for kite flying and ice cream

On April 22—National Earth Day—institute interns, along with RI executive director Melodie Anderson-Smith, celebrated with a little work, a little play, and some ice cream!

Jumping in (the creek) with both feet, interns **Matt Kime** (on right in photo, plaid shirt), and **Aaron Yoder** retrieved a piece of bright orange playground equipment that was lodged in the creek after a flood two or three years ago.

Matt and Aaron hauled it up the steep Salty Grimes Trail to the top where it could be picked up by a golf cart.

In the spirit of recycling, the discarded item may become part of a kids “crawl through” activity for the 2015 Pumpkin Fest.

The interns then came inside the visitors center to make a kite. **Lindsey Dukes** (Renfrew Museum and Park staff member) joined Matt and Aaron in building personal kites—of course, once the kites were finished, they *had* to test them out! They also tried out Melodie’s stunt kite.

Later everyone adjourned to Antietam Dairy for ice cream.



*“It was a great celebration! So rarely we take the time. Well, today we did. What a joy it was to see those three ‘kids’ running around in their bare feet in the grass and flying those kites.”*

*—Melodie Anderson-Smith*



# Late Spring/Summer 2015 Calendar of Events

All events supported in part by Today's Horizon Fund contributors:  
The Nora Roberts Foundation; Alma W. Oyer; APX Enclosures, Inc.;  
and The Carolyn Terry Eddy Family: Carolyn, with daughters Connie Fleagle & Kim Larkin.

## Bird Walks at Renfrew

**Saturdays in April & May • 7:30–10 a.m. • Renfrew Park**

*Underwriting support provided in part by Marge Kiersz; Lucinda D. Potter, CPA; and Smith, Elliott, Kearns & Company*

Naturalist Jack Olzewski leads bird walks along the hiking trails at Renfrew Park. Walks begin at Renfrew's lower parking lot off Welty Road. Participants should wear comfortable walking shoes and may bring identification books and binoculars. Free.

## Youth Festival—"Kids on the MOVE!"

**Sunday, May 24 • 1 to 5:30 p.m. • Renfrew Park**

*Underwriting support provided by Susquehanna Bank*

A variety of fun workshops, demonstrations, activities, exhibits, and entertainment throughout the day. Special performances by Spirit of the Dance Studio, plus *Dancing Through South Africa* by Lesole's Dance Project. Pre-register for fun workshops. Visit [renfrewinstitute.org](http://renfrewinstitute.org) for details. Free admission.

## Off-Site Birding Field Trips—Gettysburg Battlefield

**Saturdays June 6 and June 13, 7:30 a.m. to 10 a.m.**

**Meet at 7:30 a.m. at the Virginia Memorial on Confederate Avenue, on the Gettysburg battlefield**

*Underwriting support provided in part by Marge Kiersz; Lucinda D. Potter, CPA; and Smith, Elliott, Kearns & Company*

Naturalist Jack Olszewski leads off-site birding trips to Gettysburg battlefield. Bring binoculars, bird identification books, cameras, water, snacks, and wear comfortable shoes. RSVP appreciated: Call Jack at 301-241-3846, or the institute at 717-762-0373. Free.

## 18th Annual Chesapeake Bay Supper Fundraiser

**Friday, June 26 at 5:30 p.m. • Waynesboro Country Club**

Members, friends, and families come together to support Renfrew Institute with a fabulous evening of food, fun, and frolic featuring a Bay-related buffet menu. Silent and live auctions. Reservations required. Admission fee. Check [renfrewinstitute.org](http://renfrewinstitute.org) for details!

## Eighth Annual Salamander Scramble 5K

**Saturday, July 4 • Start time 8:30 a.m.**

**In conjunction with Firecracker 5K Run**

Join Team Salamander as we "scramble" around Waynesboro to raise funds for Renfrew Institute. All athletic levels welcome. Registration & pledge forms available online, or contact us: (717) 762-0373 or [info@renfrewinstitute.org](mailto:info@renfrewinstitute.org).

## Heritage Workshop:

### Digging Up the Past—Archaeology

**July 9 • 9 a.m. to noon • Stoner Farm, Waynesboro**

*For students completing grades 6 through 12*

**Special Summer Institute program.**

Hands-on workshop with archaeologist Scott Parker involves excavation, screening, recording and artifact identification. Pre-registration required; fee applies. See [renfrewinstitute.org](http://renfrewinstitute.org) for details.

### Heritage Workshop: Tooled Tin

**July 13 • 9 a.m. to 2 p.m. (bring lunch!)**

**Visitor Center, Renfrew Park**

*For students completing grades 5 through 10*

**Special Summer Institute program**

Explore the time-honored craft of tooling tin, and create a hand-crafted night light. Instructor: Bob North. Pre-registration required; fee applies. Visit [renfrewinstitute.org](http://renfrewinstitute.org) for details.

## Heritage Workshop: Basketry

**July 24, 2016 • 9 a.m. to 1 p.m. • Renfrew Visitor Center**

*For students completing grades 4 through 12*

**Special Summer Institute program**

Learn the traditional craft of basketry and hand weave a beautiful basket. Instructor: Susan Matson. Pre-registration required; fee applies. Visit [renfrewinstitute.org](http://renfrewinstitute.org) for details.

## Mornings In The Park: Nose To Nose With Nature

**Wednesdays, June 24—July 29 • 9:30–11 a.m.**

**Renfrew Park**

*For children completing grades K through 3*

**Special Summer Institute program**

Explore nature's best spots and check out the weird, wild, wonderful creatures and plants that help make our life on earth possible. Bring old sneakers for wading. Fee applies but registration is not required. Visit [renfrewinstitute.org](http://renfrewinstitute.org) for details.

## Mornings In The Park: Children's Summer Stories

**Tuesdays, June 23—July 28 • 11 a.m. • Renfrew Park**

*Preschoolers and up*

**Special Summer Institute program**

Children gather under the tree near the Visitor's Center to listen to stories and enjoy related hands-on activities. Free admission. (If inclement weather, call 717-762-0373 to confirm.)

## Mornings In The Park: Down a Garden Path

**Monday, July 27 • 9:30 to 11 a.m. • Renfrew Park**

*For children completing grades K through 4*

**Special Summer Institute program—One session only!**

Hunt for hidden treasures, hear stories, make rain with watering bells, & much more in the 4-square garden with Doris Goldman. Pre-registration required; fee applies. Visit [renfrewinstitute.org](http://renfrewinstitute.org).

## 24th Annual Jazz Festival

**Sunday, August 30 • 2 to 4 p.m. • Renfrew Park**

Renfrew Institute's annual jazz festival spotlights top professional artists each year. The concert is followed by an informal question and answer period. Free and open to the public. On the lawn behind the museum house. *(Date to be confirmed)*



**Take Time  
to have  
FUN!**

## Departing Board Member...Maxine Beck

As required by the institute's bylaws, Maxine Beck stepped off the RI board effective June 30, 2014. She had served two full terms (totaling six years), the last three as board president. It was very difficult to see her go.

Maxine is a strong leader, an innovative thinker and problem solver. She is intuitive and creative and most of all she has an infectious and vibrant personality with a sense of humor, a positive outlook and a smile that keeps everyone on her team hopping—and happy!

Her mantra of “one hour” meetings set a precedent still honored by our board and committees more often than not.

As administrative staff members, Tracy Holliday, Pam Rowland and I worked side-by-side with Maxine during her presidency. She was in and out of the office frequently, tending to whatever business was at hand for that week. She kept pace with the needs of committees and staff, ensuring that everyone had the ingredients needed to pull off the next event, fundraiser or meeting.



Maxine Beck stepped off the RI board after serving two terms.

She covered all the bases, all the time. And she added her artistic skills too, as a sign-maker extraordinaire. Her colorful, hand-drawn signs (for whatever event needed one) will be long-time reminders of the mark she made on our organization.

Maxine is also a diplomat. During negotiations last year between Renfrew Institute and Renfrew Museum and Park, a new facility use fee was proposed by the

RCI (Renfrew Committee Inc., the museum's governing board).

Maxine's able and thoughtful dialogue with the Museum leadership and both boards led to a compromise solution, acceptable to both parties, and insured continued cooperation and coordination.

To our delight, Maxine will continue to be involved as co-chair of the annual *Pumpkin Festival*, a joint fundraiser for the institute and museum. Her co-chair for the 2015 event is museum representative, Bill Conrad.

Before becoming board president, Maxine served as board secretary, chaired the Membership Committee and was a member of the Adult/ Teen Education Committee. Upon stepping off the board, she joined the institute's new Advisory Council. [Ed. note: see article on page 15]

Maxine, hats off to you for your six years of service. Thank you for keeping us strong and for keeping us smiling. We wish you and your family all the best in the years to come.

Melodie Anderson-Smith



## Weaving a Story

Renfrew Institute's Director of Cultural Studies, Pam Rowland (*left*) and Textile Program Coordinator Beth Skroban show off their fancy weavings, produced during an instructional session at The Mannings Handweaving School and Supply Center last spring in East Berlin, Pa.

Educational offerings for faculty members, like The Mannings weaving class, are components of Renfrew Institute's professional development activities, funded in part through support from Dick and Peggy Walsh, Karen and Ed Herald, and Donna and Tony Haugh.

Photo by Tracy Holliday.

## Members & Sponsors *continued from pg. 17*

### Organization Exchange, *continued*

Nicodemus Center for Ceramic Studies  
Renfrew Museum & Park  
TriState Astronomers  
Strawberry Hill Nature Center  
Waynesboro Historical Society

### Student (\$10)

Skye Barnes

### Additional Support

Becky Dietrich  
Bonnie Iseminger

## Sponsors 2013-14 and renewed for 2014-15

APX Enclosures, Inc. - *Today's Horizon Fund*  
Advanced Financial Security, Inc. - *Bay Supper Fundraiser*  
AgChoice Farm Credit - *Dairy Culture*  
Alexander Stewart M.D. Foundation - Farmstead programs, tools & equipment  
Antietam EYE Associates - *Recycle/Reuse Yard Sale*  
B&H Lawn & Floral Shop - *Salamander Scramble*  
Linda Barkdoll/Ronnie Martin Realty - *Pumpkin Festival*  
Bartlett Tree Experts - *Trail of Trees*  
Steve & Maxine Beck - *Nose to Nose with Nature*  
Beck Manufacturing, Inc. - *Discovering Wetlands*  
Michelle Benchoff - *Salamander Scramble*  
Leonora Rocca Bernheisel (Mary's Delight Farm) - *Wool Culture, Royer Legacy & Faculty Chair*  
Gary Brashear - *Summer Stories*  
Neal & Jacqueline Brewer - *Down a Garden Path*  
Buchanan Auto Park - *Annual Fun Fly (kite fly)*  
CFAR/Waynesboro Running, Inc. - *Salamander Scramble*  
Cornerstone Family Dentistry - *Salamander Scramble*  
Corporate Office Properties Trust - *Discovering Wetlands*  
Craig, Friedly, Potter & Moore Insurance - *Discovering Wetlands*  
Denny's Garage - *Bay Supper Fundraiser*  
Dru's Books N' Things - *Recycle/Reuse Yard Sale*

Greg & Debi Duffey - *From Field to Table*, videography project, farmstead textile equipment, *Bay Supper Fundraiser*  
Carolyn Terry Eddy Family: Carolyn, with daughters Connie Fleagle & Kim Larkin - *Today's Horizon Fund*  
Eichholz Flowers - *Salamander Scramble*  
F & M Trust Co. - *From Field to Table, Wake Up Earth, It's Spring*  
First Energy/West Penn Power - *Bay Supper Fundraiser*  
Fives Landis Corp. - *Jazz Festival*  
Foreman's Rare Coins - *Bay Supper Fundraiser*  
Franklin Co. Visitors Bureau - *Jazz Fest*  
Franklin Co. Rock & Mineral Club - Geology program  
Nancy Erlanson & Don Gibe - *Lifesavers of the Chesapeake Bay*  
Steve Graham, in memory of Virginia Steck Graham - *Discovering Wetlands*  
Grove-Bowersox Funeral Home - *Salamander Scramble*  
Hadley Farms Bakery - *Recycle/Reuse Yard Sale*  
Hamilton Hyundai - *Jazz Fest*  
Hamilton Nissan - *Jazz Fest*  
Donna & Tony Haugh - Professional Development  
Pat & Jay Heefner - *Once Upon a Farm, WaterStriders & Dairy Culture*  
Kathy Helfrick - *Fall Walk*  
Karen & Ed Herald - Professional Development  
John R. Hershey III/RBC Wealth Management - *Salamander Scramble, Streamside, Water-Striders*  
Johnson Controls, Inc. - *Lifesavers of the Chesapeake Bay*  
William & Kathleen Kaminski - *Fall Walk*  
Marge Kiersz - Adult Education Lectures & Workshops  
Dennis L. Koons of Raymond James Financial Services - *Streamside*  
Land O'Lakes Mid-Atlantic Grants Program Foundation - *Dairy Culture*  
Doris R. Large, in memory of J. Warren and Jessie O. Large - *Park Ranger Training Program & Earth Encounters*  
M & T Bank - Four Squares: *Pennsylvania German 4-Square Garden & Pumpkin Festival*  
Manitowoc Crane Group - *Home Sweet Home*  
Martz Plumbing, Heating & AC, Inc. - *Streamside*  
Chet & Betsy Mauk - *Bay Supper Fundraiser*  
Mercedes Benz of Hagerstown - *Four Squares:Pennsylvania German 4-Square Garden*  
Millennium 3 Energy - *Earth Celebration Day & Festival of Art*  
Mont Alto Family Practice - *Pumpkin Fest Trebuchet*  
David Neterer/Sterling Financial Management - *Recycle/Reuse Yard Sale*  
The William & Diane Nitterhouse Foundation - *Once Upon a Farm & Royer Legacy*  
Noelker & Hull Assoc. Inc. - *Bay Supper Fundraiser*  
Patricia O'Connor - *Streamside*  
Alma W. Oyer - *Today's Horizon Fund*  
PA Partners in the Arts - *Jazz Festival*  
Patriot Federal Credit Union - *Halloween Storytelling*  
Betsy Payette - *Flax Culture*  
Mary Ann Payne, in memory of Helen Herr Moyer - *Wonderwalks for Preschool*  
Lucinda D. Potter, CPA - *Sidney's Wonder Web, Earth Celebration Day & Festival of Art, Adult/Teen Education, & Streamside*  
RaceWax.com LLC - Tech Support  
Edna Rice Estate - *Marvin Visits Earth*  
Bernie & Rosemarie Roberts, in memory of Harry D. Catts & Richard G. McGowan, Sr. - *Earth Encounters*  
The Nora Roberts Foundation - *Today's Horizon Fund*  
Jeff & Kelsey Rock - *Lifesavers of the Chesapeake Bay*  
Rotary Club of Waynesboro - *Wake Up Earth, It's Spring*  
Runways Restaurant & Lounge - *Bay Supper Fundraiser*  
Savage Family Pharmacy - *Bay Supper Fundraiser*  
Sheetz, Inc. - *Once Upon a Farm*  
Anne Shepard & Patrick Minnich - Summer Institute: Archeology  
Law Office of Anne M. Shepard - *The Royer Legacy*  
Pat & Richard Shew - *Streamside*  
Ashlyn Shockey - *Salamander Scramble*  
Dr. & Mrs. Ronald F. Shultz - *Bay Supper Fundraiser*  
George & Judy Smith - *Sidney's Wonder Web*  
Smith, Elliott Kearns & Co. - Adult/Teen Education  
State Farm Foundation - *Bay Supper Fundraiser*  
Dr. John Stauffer - *Flax Culture*  
Susquehanna Bank - *Youth Festival & Dairy Culture*

Total Vac - *Recycle/Reuse Yard Sale*  
Quang & Tammie Tran/Mes Reves - *Salamander Scramble*  
Arlene Unger/Remax Associates - *Salamander Scramble*  
WACCO Properties, Inc. - *Salamander Scramble*  
Dick & Peggy Walsh - Professional Development  
Charles & Undine Warner - *Adult/Teen Education Lecture Series*  
Waynesboro Area Education Association - *Fall Walk, From Field to Table*  
Waynesboro Lions Club - *Discovering Wetlands*  
Waynesboro Physical Therapy - *Salamander Scramble*  
Waynesboro Water Works - *Salamander Scramble*  
Waynesboro YMCA - *Salamander Scramble*  
Angela Grove Weagly, in memory of Joyce Grove Ceyler & in honor of Richard D. Ceyler - *Earth Celebration Day & Festival of Art*

THANK  
YOU

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grazi  
THANK YOU

OBRIGADO

DANKÉ

Thanks!

## “I do not want to sleep, for fear I might miss the twinkle of the brightest star...” —Sanobar Khan, poet

An exciting new meteor shower—the Camelopardalids—was set to light up the sky on the night of May 23–24, 2014.

The shower was thought to stem from Comet 209P/LINEAR, discovered in 2004, and predictions called for debris from the comet to rain over the Earth, resulting in a dramatic display of meteors, or ‘shooting stars.’

Institute faculty member, Kathy Seiler, and her dog, Gabby, were up in the wee hours of the morning to see the sky show.

This is her account:

In anticipation of the meteor event expected that night, I went to bed with wool socks and long underwear in lieu of normal nighttime garb, to make a quick exit.

Finding myself awake at 2 a.m. (thinking it was 5 until I saw the clock!), I decided to try going out into the frosty night. I tucked myself into a Polartec parka, secured a snug cap, put on the deck a chaise lounge and cushion, and grabbed a sleeping bag....

Searching for meteors, I saw a total of four “nice” ones, six assorted faint glimpses....and I do believe I spied the first firefly of the season!

It was clear that our dog, Gabby, who accompanied me out on the deck, thought we were having an adventure in outdoor bonding.

A little after 4 a.m. I saw the waning moonrise, and decided to end the fun—*then* the big surprise! The ISS (International Space Station) went right over, north to south. I had just been thinking I should have checked online to see if any passes would be close.

It was such a *marvelous* night to stargaze. The Milky Way glimmered, the constellations did a slow dance above my noggin. New leaves whispered in a gentle breeze.

Felt like Earth enjoying its time of quiet restful meditation in the dimness, slowly emerging from the stillness with great horned owls calling in the predawn.

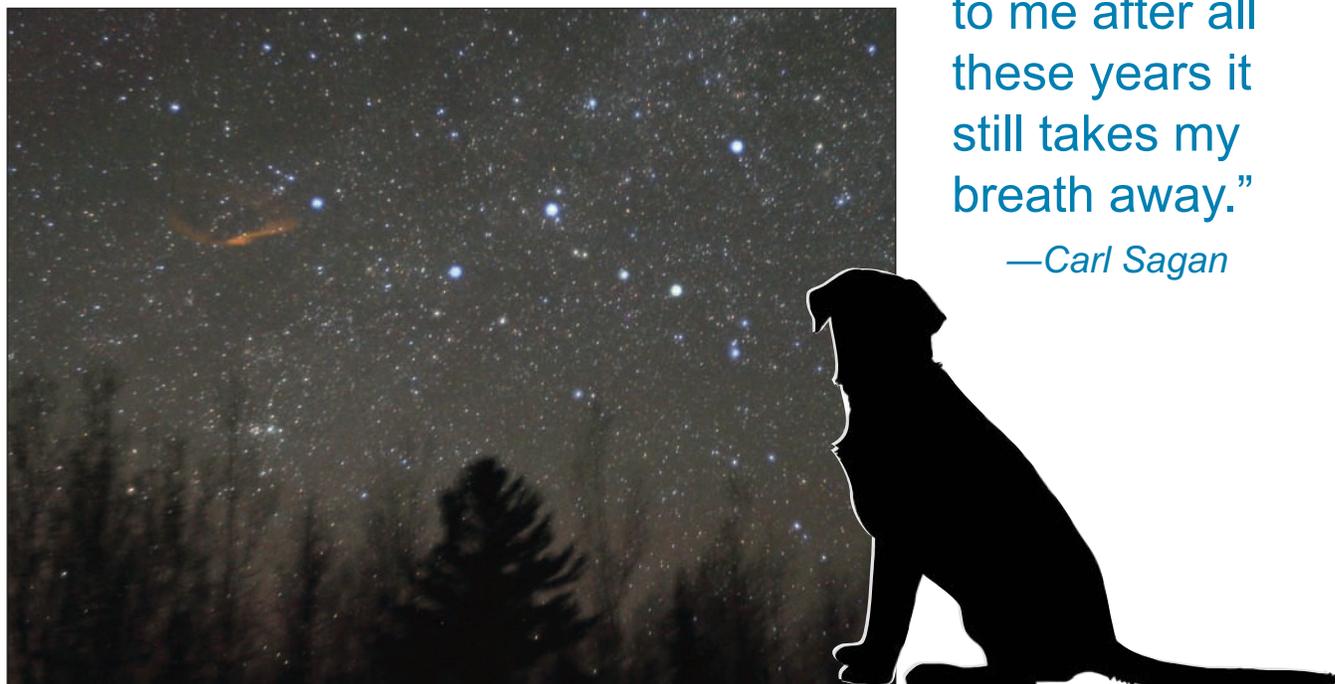
Kathy Seiler

*Editor’s note:* Kathy later suspected that it may have been a satellite, and not the International Space Station, that made such a “Wow!” impression.

No matter...the night sky was full of magic!

“Even today the most jaded city dweller can be unexpectedly moved upon encountering a clear night sky studded with thousands of twinkling stars. When it happens to me after all these years it still takes my breath away.”

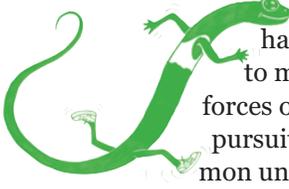
—Carl Sagan



The Camelopardalids meteor shower on May 24, 2014, photographed by Bob King, universetoday.com

### Running Together

We love partnerships! Joining with others has the power to multiply the forces of good in pursuit of common undertakings.



We're especially grateful for the fruits of a longstanding partnership with **Waynesboro's local running club, CFAR**. The acronym stands for Community, Fitness, Friends, Fun and Running.

The non-profit club now boasts nearly 400 Facebook Friends. It was established in 2009 by a group that included several charter members of the institute's *Team Salamander* to promote the sport of running in our community.

CFAR is open to all, regardless of age, ability and athletic experience, offering encouragement, training support and camaraderie to participants who engage in walking and running in pursuit of fitness.

Recently, **CFAR's board of directors extended a gift of financial support for Renfrew Institute in a nod that acknowledges its origins.**

The donation will be welcomed under the *Salamander Scramble* banner as we field our fundraising team to participate in Waynesboro's Summer Jubilee Firecracker 5K.

Income from the **Salamander Scramble 5K Fundraiser**, held every Fourth of July, supports RI's activities throughout the year.

Sponsorships help underwrite the costs of administering the event, along with team member perks in the form of team jerseys, race day goodies and prizes, and 5K race participation fees.

In addition to monetary support, CFAR has lent training support to Team Salamander members preparing for their first 5K, or working to achieve a *personal best* time.

One component of the club's

community outreach is Saturday morning gatherings at the Waynesboro YMCA where experienced athletes help guide aspiring runners and walkers. Interest has been robust, with a host of participants choosing a commitment to wellness through movement.

Last year, CFAR took over race administration for the Firecracker 5K, which will deepen our partnership. We're grateful for the club's nurturing embrace as we maintain a special relationship that permits Renfrew Institute to gather like-minded individuals and families on race day, joining forces in support of institute experiences that build connections...to the past, and to the natural world.

These connections, when paired with the CFAR mission, introduce people to the pleasures and health benefits of enjoying the great outdoors through movement, often with a historic backdrop, as they pursue fun and fitness.

### Shared Agricultural Heritage

**AgChoice Farm Credit** knows farmers! An Agricultural Credit Association based in Pennsylvania, with 10 branch offices serving central, western and northern Pa., plus four counties in West Virginia, the organization is a federally chartered, but locally operated cooperative that is owned by its borrowers. AgChoice offers loans and financial services to a variety of farming enterprises and rural homeowners.

A perfect partner for the institute's Historic Pennsylvania German Farmstead interpretive series, AgChoice Farm Credit is committed to agriculture in Pennsylvania. With approximately \$1.6 billion in gross loan volume, AgChoice is the state's largest agricultural lender.



AgChoice was a funding partner at the inception of the institute's fifth grade offering, *From Field to Table*, supplying a lead grant for development and delivery of a pilot program, followed by continued program funding for several years.

**We're pleased now to welcome AgChoice as a new underwriting sponsor of *Von gras zu milch: Dairy Culture of the Pennsylvania Germans.***

Tim Mussmon, manager of AgChoice's Chambersburg office, was enthusiastic when he learned of an opportunity for involvement.

During their two-hour experience, participants in the *Dairy Culture* program are introduced to the Royer Family, occupants of the farm during the early 19th century.

Through first person interpretation, "Nancy Royer" helps students learn about the self-sustaining Pennsylvania Germans, who established vibrant dairying communities across Franklin County and beyond.

Playful lessons include storytelling, and invite children into the milk house where fresh cream, cheese and butter were once kept cool in the earthen-floored cellar and stone water trough.

Using a glass-sided "churn with a view," they're able to witness the amazing transformation of cream into butter. The experience is complete when they wash, press and then taste the butter they've churned. Students also make their very own personal sized butter pat to take home for sharing.

The experience is transformative for many, who have never tasted sweet cream butter, and prior to their visit believed milk and cream "come from the store."

*(continued on page 32)*

# Alexander Stewart, M.D. Foundation Grant Provides Farmstead Learning Tools

Students in the institute’s farmstead programs enjoy the new tools, toys and equipment provided by a grant from the Alexander Stewart, M.D. Foundation.

Buckets and bucket yokes, quilt hoops, period games and toys—like pecking hens, spinning tops and carved animals—and more. The items, both useful and whimsical, make an interesting display, but “come to life” in the hands of our eager young students, who discover that learning is fun! *Photos by Tracy Holliday.*



## New Sponsorships

continued from pg. 30

Renfrew Institute's *Dairy Culture* program not only helps us link our young visitors to the past, but also roots them to the modern agriculture industry that provides for our dietary sustenance. We're grateful for AgChoice Farm Credit's enthusiasm for the institute's activities in agricultural history and awareness, and mission in youth education.



Playing a game of predator-prey during Sidney's Wonder Web. Photo by Tracy Holliday.

### Sidney's Wonder Web

Sidney the Spider has a pair of new allies as she strives to help kids understand the interconnectedness of inhabitants of various ecological communities.

Puppet character and leading lady Sidney stars in the institute's second grade environmental science offering, *Sidney's Wonder Web*.

Clinging to her beautifully woven web in the pine forest, Sidney describes how living and nonliving parts of nature (people, plants, animals, insects, fungus, water, soil, air and sunlight energy) are interdependent.

As Sidney tugs on strands of her web that hold puzzle pieces representing the nine parts of nature, students can see that moving one part causes other parts to move, too.

Students then set off on the trails in search of evidence of these special relationships within the natural world. Our young naturalists make memorable discoveries while enjoying a two-hour "nature immersion experience."

Waynesboro residents **George and Judy Smith** were recently inspired to join forces with Sidney.

As they heard institute activities described by their friends, Pat and Jay Heefner, George and Judy were moved to offer support of youth education, and were especially interested in sponsorship of the second grade environmental program.

We're grateful that George and Judy have joined the institute's family of program underwriters, and look forward to introducing them to Sidney!

### Adult/Teen Education

Renfrew Institute board member Terry Eisenhower serves on the organization's **Adult/Teen Education Committee**. His involvement has fueled planning conversations during deliberations for creating a roster of inspiring lectures, workshops and field excursions.

A new sponsorship from Terry's employer, **Smith Elliott Kearns and Company**, will further fuel those efforts.



SEK & Company is a regional accounting firm serving clients in the quad-state area of Maryland, Pennsylvania, Virginia, and West Virginia. The firm is recognized for its expertise in accounting, auditing and tax functions, and provides industry-specific services to local governments, nonprofit organizations, financial institutions, and healthcare professionals.

Adult/Teen activities this winter and spring have included the ever popular Owl Walks, an astronomy program (Comet Tales), telescope clinic, musical instrument craft (clay ocarina), a geology program and field excursion, plus a special caving exploration, a phenology info session and Saturday morning birdwalks in April and May.

We extend thanks to Terry for his committee efforts, and for serving as Renfrew Institute's ambassador with Smith Elliott Kearns & Company.

Tracy Holliday

## Wild Women of Waynesboro



### Bay Supper Auction Prize

Elena Kehoe and Sally Sussman donated a "Wild Woman" outing—complete with hike in the woods and a meal—to the 2014 Bay Supper auction.

Shown, left to right, are Tracy Radtke, Elena Kehoe, Pat Radtke and Sally Sussman. The Radtkes won the auction item with the highest bid.

The "Wild Women" treated the Radtkes to a 2.5-hour hike in the beautiful Michaux Forest, followed by gourmet treats at Kehoe's cabin in the woods.

Kehoe & Sussman will donate the "Wild Women" package again at this year's Bay Supper on June 26 (details on next page). Photo by Gary Radtke.



18th Annual  
**Chesapeake Bay Supper Fundraiser**  
 Friday, June 26 • 5:30 PM  
 WAYNESBORO COUNTRY CLUB

**"Super Crab" says—  
 Mark your  
 calendars now!—  
 this event really IS  
 all that it's  
 "cracked up" to be!**

**Don't  
 Miss It!**

Tell your friends  
 & come out & support  
 Renfrew Institute with a  
 great evening of food,  
 fun & frolic!  
**Sign up before May 31 for  
 the "Early Crab"  
 Discount!!**



Seating is limited.  
 For more information, call  
**(717) 762-7585**  
**info@renfrewinstitute.org**  
**www.renfrewinstitute.org**

Thank you to our Blue Crab Sponsor!



**WestPenn  
 Power**  
 A FirstEnergy Company

**The 2014 Bay Supper Fundraiser Was  
 a HUGE Success—Net Profit of \$15,824!!**

Make plans now to be a part of this fabulous,  
 fun & delicious event on June 26!

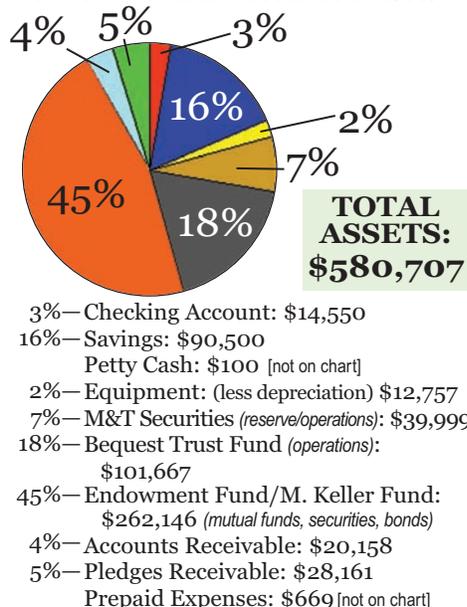
**Renfrew Institute's Financial Health**

**Renfrew Institute Financial Statement 2013–14**

*(July 1, 2013–June 30, 2014)*

Operating Income		Operating Expenses	
Memberships	\$33,656	Salaries, Benefits, FICA (faculty & admin.)	\$157,333
Bequests, Memorials (includes \$30,000 John W. Keller Bequest)	46,383	Community Events	7,781
Student Fees (inc. adult/teen wkshp & Summer Inst.)	45,559	Fund Raisers	17,541
Grants/Sponsorships (educ'l. programs, publications, prof. dev.)	46,150	Suppl., Printing, Postage (programs, office, newsletter, etc.)	10,838
Grants/Sponsorships (community events)	8,946	Prof'l Devel. & Chamber Memberships	935
Grants/Today's Horizon Fund	21,000	Admin./Consult. Fees/Bank Fees	2,433
Fund Raisers (Pumpkin Fest, Yard Sale, Bay Supper, Salamander Scramble)	48,864	Phone/Internet/Equip. Maint.	1,523
Other (special gift, interest, misc.)	28,186	Insurance	3,977
Restricted Income (tech update, wagon shed floor)	750	Misc. (volunteer appreciation, mtg. snacks)	649
		Restricted Expense (video project, wagon shed floor, museum walkway, water testing supplies)	6,599
<b>TOTAL</b>	<b>\$279,494</b>	<b>TOTAL</b>	<b>\$209,609</b>
<b>Capital Income</b> (from reserve)	\$2,000	<b>Capital Expense</b> (1/2 new copier)	\$2,014

**Renfrew Institute Assets as of 6/30/14**





## Garden Volunteers Keep Us Growing!

All year round, a dedicated group of volunteers works to keep Renfrew Institute's Four Square Garden beautifully maintained. The care provided by all these "green thumbs" is reflected in the bountiful garden!

*Thanks for all your time and effort!*

### 2014-15 Four Square Garden Volunteers:

Barb Bailey	Melissa, John, Audrey
Maxine Beck	& Trey Foreman
Cookie Beck	Diane Keeney
Shelley Benchoff	Linda King
Jane Birt	Leitha Rountree
Elaine Burhrman	Andy Rovelstad
Mike Cannady	Maggie Rovelstad
Carolyn Crampton	Marilou Thomas
Lori Eigenbrode	Lew Thomas
	Darlene Weddle

*New volunteers always welcome!*

*Email us at [info@renfrewinstitute.org](mailto:info@renfrewinstitute.org)  
or call 717-762-0373.*



### GARDEN WISH LIST:

-  Large, very light plastic "trugs" or bushel baskets for carrying weeds.
-  A neutral-colored tarp for covering indoor supplies when they must be left outside for a while.
-  A couple of 1800s-style wheelbarrows, one small "child size" and one medium-size (often available on eBay).

## Gardeners Enjoy Harvest Luncheon

**Fulton Sustainable Farm** at Wilson College hosted the Garden Volunteer Appreciation Luncheon last September. Director Chris Mayer spoke to the group of volunteers, and conducted a tour of Fulton Farm following lunch.

*Photos, clockwise from top left: Decor reflected a bountiful harvest theme; Renfrew Institute's Director of Cultural Studies and garden volunteer coordinator, Pam Rowland, at right with Chris Mayer; the delicious meal included vegetables grown on the farm site; the group enjoyed a tour of the entire farmstead.*



# WELCOME

## New Members! 2014–15

Note: New members sponsoring specific programs are also listed under *Gifts—New Sponsorships* beginning on page 6

AgChoice Farm Credit  
B&H Lawn and Floral  
Carol & Brenda Bakner  
Skye Barnes  
Carol Baylor  
Penny Beatty  
Joyce & Larry Bellela  
Eliza Blum  
Denise Bonura  
CFAR/Waynesboro Running, Inc.  
Chelsea Cover  
T. A. Dorsett  
Courtney Dowler  
Kim Fitzgerald  
Deb Flinchbaugh  
Bethany Gonyou  
Elizabeth Grant  
Susan Himes  
Debra K. Levick  
Ted & Ellen Lewtas  
Lisa Lunny  
Ann Markell  
Meg McCleaf  
The Mohn Family  
Harry & Louise Morningstar  
Dave Neterer  
Darcy Nowell  
Jill Petersen  
Gerald Reichard  
Michael Leal, Sarah  
& Zoey Rodriguez  
Runways Restaurant & Lounge  
Sue Rotz  
Megan Shea  
Robert and Betty Shriver  
Bill Smith  
George & Judy Smith  
Ronald & Teresa Spruill  
Jim & Amy Stein  
Michael & Kristen Szynal  
Craig and Jeanne Walck  
Waynesboro Physical Therapy  
Greg White  
Judy & Walter Wilson  
Margy Zook



## Renfrew Institute Current Board of Directors

Institute directors welcomed spring by gathering for a group photo.

*Front row:* Dick Walsh, Jay Heefner, Donna Haugh (first year member), Debi Duffey, Jason Levick, Kathy Helfrick, Karen Fitzgerald Herald.

*Back row:* Jeremy Bowersox, Sarah Klink, Judy Papoutsis (first year member), Tim Parry, Matt Gunder, Lucinda Potter, John Hershey III (first year member).

Board members missing from photo include Anne Shepard and Terry Eisenhauer.

*Photo by Tracy Holliday.*

## THANK YOU FOR "GOING DIGITAL"

Your decision to receive an electronic version of *Streamside* helps Renfrew Institute to save time, money, paper and other resources!

We hope you enjoy the new full-color version, only available via electronic delivery.

**Thanks!**



RENFREW INSTITUTE  
BOARD OF DIRECTORS  
Jay Heefner, *President*  
Anne M. Shepard, *Vice-President*  
Timothy S. Parry, *Treasurer*  
Debi Duffey, *Secretary*  
Jeremy A. Bowersox  
Terry T. Eisenhauer  
Matt Gunder  
Donna Haugh  
Kathy Helfrick  
Karen H. Herald  
John R. Hershey III  
Sarah Klink  
Jason Levick  
Judy Papoutsis  
Lucinda D. Potter  
Richard Walsh

RENFREW INSTITUTE STAFF  
Melodie Anderson-Smith,  
*Executive Director*  
Tracy Holliday,  
*Associate Director*  
Pam Rowland,  
*Director of Cultural Studies*  
Beverly McFarland,  
*Accounts Manager*  
Andrea Struble,  
*Director of Public Relations*  
Jen Atkinson, *Faculty*  
Dottie Fawks, *Faculty*  
Doris Goldman, *Faculty*  
Nancy Hall, *WaterStriders  
Instructor*  
J. Robert North, *Faculty*  
Lori Schlosser, *Faculty*  
Kathy Seiler, *Faculty*  
Beth Skroban, *Faculty*  
Nora Slick, *Faculty*

## Our Wish List...

- ❖ Book: *The Founding Gardeners* by Andrea Wulf
- ❖ Gallon-size ice cream buckets with lids
- ❖ Sturdy, used card tables (up to 3)

*See the Garden  
Wish List  
on page 34*



Would you like to  
get *Streamside*  
via Email? It's in  
**FULL COLOR!**

If you'd like to receive  
future editions of *Streamside* in  
your inbox—instead of your mailbox—  
let us know. Call the office at 762-0373 or  
email us at: [info@renfrewinstitute.org](mailto:info@renfrewinstitute.org)



## Like to Garden and Make Things Grow?

Volunteer in Renfrew Institute's  
4-Square Garden!

*Garden volunteers keep our historic  
garden maintained throughout the year:*

- Transplanting
- Weeding
- Watering
- Harvesting Produce

### Volunteer Benefits:

- Learn about the historic Pennsylvania German 4-square garden
- Sharpen skills
- Pick produce for personal use
- Help maintain the garden used for teaching area school children about history & gardening
- Enjoy a special Harvest Meal, & more!

The garden is located in Renfrew Park  
1010 E. Main Street, Waynesboro

For more information

**Call 762-0373**



## Streamside

Renfrew Institute for Cultural & Environmental Studies  
1010 East Main St. Waynesboro, PA 17268  
(717)762-0373

[www.renfrewinstitute.org](http://www.renfrewinstitute.org)



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