

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.”

Fall/Winter 2010 Issue:

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Joining Forces

From Salamander Scrambling to water quality deducting, from program supporting to workshop conducting, from intern mentoring to lecture presenting, from staff educating to weekend eventing—collaboration with others deepens, enriches and expands the programs of Renfrew Institute.

As you read through this issue of *Streamside* you will see many examples of cooperative arrangements between Renfrew Institute and a myriad of other organizations, businesses, colleges, governmental agencies, municipal authorities and individual people. The institute does not attempt to fulfill its mission by itself. Rather, we are committed to reaching out, recruiting, seeking outside resources that bring energy, expertise and funding together to create rich educational experiences for the public.

Check out the list of “Organization Exchange” memberships on page 24. The list grows annually, but these are organizations with which we have a reciprocal exchange of newsletters and/or project collaboration, in most cases without financial cost to either organization. For example, our long-time relationship with Tri-State Astronomers has resulted in annual astronomy lectures and occasional star parties. Don’t miss “Death from the Skies—The Threat of Asteroids and Comets,” on February 3rd. [See calendar on page 24.]

Antietam Fly Anglers have provided experts to conduct hands-on workshops on fly-tying and fly-fishing. The Franklin County Rock and Mineral Club has joined forces with the institute to present an annual lecture program, displays and exciting field trips that spotlight the fascinating geology of our local region. The club helped fund last year’s geology lecture. An all-new geology program and trip will happen in May 2011. Stay tuned!

Our most comprehensive partnership is with Antietam Watershed Association. AWA’s water quality monitoring program is headquartered at Renfrew Institute. Funded through grants won by AWA and with in-kind support from Renfrew Institute, the joint effort to monitor our local Antietam Creek tributaries has been hugely successful.

Watershed studies at Renfrew Institute have grown and deepened as a result of the network of resources supporting these activities. The institute’s middle school program, *WaterStriders* has become directly tied to the AWA monitoring program. The leaf pack studies done by the Striders [see page 10] are a new addition this fall. Institute staffers, trained last summer by Stroud Water Research Center, now carry on the activity at Renfrew and sometimes take versions of it to other sites.

Even more recent is a developing project that began this fall

(continued on page 25)

Top of the Mushroom



The magical place 'On Top of the Mushroom' is reserved to honor very special friends of Renfrew Institute.

Betsy Payette: An interest in the past...a belief in the future

Born in Williamsport, Md., Betsy Payette has traveled extensively, lived in Europe and the Far East, and now resides in Mont Alto, Pa., her home since 1966.

Through the years, among the constants in Betsy's life have been a passion for education and an interest in history.

Betsy attended Hagerstown Junior College (now Hagerstown Community College), and earned a bachelor's degree in French from Hood College in Frederick, Md. She taught French at Clear Spring High School for four years.

After her marriage to the late George Payette, the couple lived in Japan and in Germany. George was an editor for the *Stars and Stripes* military newspaper while in the U.S. Air Force, and was later was employed in the same capacity as a civilian.

While living overseas, Betsy taught elementary school for the children of U.S. Army personnel. "What a great way to begin married life," she recalls of those years spent abroad.

The Payettes returned to the U.S., eventually moving to Mont Alto after George was hired by Penn State University at their Mont Alto campus. "We were happy to come back to live near our parents, who were still in the area," Betsy said.

Betsy was hired to teach students with learning disabilities in a program run by Franklin County in Waynesboro area schools. The program was later taken over by Lincoln Intermediate Unit #12. While teaching, she also went back to school herself, earning a master's degree in Special Education from Western Maryland (now McDaniel) College.

So how did Betsy become connected to Renfrew Institute? She retired from teaching in 1988, and her interest in history led to a collaboration with Marilyn McCarney of Waynesboro on a comprehensive historical study of Renfrew Museum and Park. Betsy and Marilyn interviewed more than 30 people about Renfrew, and transcribed the taped interviews. George Payette wrote the historical narrative for the study.

"Through working on the history, I got involved

with Renfrew in general," Betsy said. "The study included the inception of Renfrew Institute, and I became familiar with the institute and what was happening there."

Shortly afterwards, Betsy was asked to serve on the institute board of directors. She served two terms, from 1995–2001, and was board secretary for much of that time.

"After I was on the board, I became very involved in institute activities," Betsy said. She participated in early Pumpkin Festivals, making soup and then serving it during the event. She was especially interested in the on-going restoration of the Fahnstock House and believed there were many ways to re-use the structure, including as a facility for teaching. [Ed. note: *The house is now used for instruction—see photo with caption on page 11.*]

After her board tenure, Betsy continued to support the institute. In addition to maintaining a personal membership, she has annually been a Preservation Society level underwriting supporter of the institute's farmstead program, *Growing Clothes: Flax Culture of the Pennsylvania Germans*.

Betsy's interest in the cultural programs dates to

"years ago, back when Trish Sheppard was teaching," she said. Betsy gave the institute a much-needed traditional woolen coat, hand made at her expense. The coat continues to be used by faculty members in farmstead programs.

Asked about her continuing interest in the institute's welfare, Betsy said, "I believe in the importance of students learning about the history of the times represented at Renfrew, and about the importance of protecting the environment."

Betsy's talents have served other area organizations over the years including the Waynesboro Historical Society and Friends of the Library in Waynesboro. Currently, Betsy helps organize the Evangelical Lutheran Church's "Friendly Visitors," a group dedicated to visiting shut-ins from the congregation; she also volunteers at the Waynesboro Hospital gift shop.

"I have the very highest regard for Betsy," said Melodie Anderson-Smith, institute executive director. "She has been a rock of support for the institute and its staff for so many years. As a board member, program sponsor and friend she has always been there for us. Her co-authorship (with her late husband George and Marilyn McCarney) of the *Renfrew History* was such a major gift of time and talent...with care for every detail. Betsy is a gem—one of those people that you love to run into, just to share a hug."

In between other activities, Betsy enjoys traveling whenever she can. Her married daughter, Renate, son-in-law Mike, 15-year-old granddaughter, Kristen and 8-year-old grandson, Aaron, live near York, Pa.

Andrea Struble



Betsy Payette enjoyed a tête-a-tête with the "Nittany Lion" during a scholarship reception at Penn State Mont Alto last May.

Four Square Garden Update

Grand Re-Opening Celebration Planned for May 2011

As many of you know, we are moving the Pennsylvania German Four Square Garden to a new location. It's not far from its old location at the Fahnestock complex at the back of the park, but the larger, more level site lends itself well to visits from the public and our visiting school children.

We began the project a year ago, and are finally coming down the home stretch! The beautiful picket fence graces the viewscape as one approaches the area. When I walk with school groups down the lane and they see the new fence, they sometimes exclaim with delight, "Are you building something new? Is it a swimming pool?" Yes, it is new and exciting—but alas, it is not a pool. Nevertheless, we do hope you will visit the garden and watch the progress.

With the completion of the fence and the planting beds, we are ready to move forward with the finishing touches. Interpretive signs will be refurbished and moved; a myriad of details will be attended to; and most importantly, the plants will go in. Many of the perennials will be transplanted from the old garden site, and in the spring school children will plant the vegetables. We will recruit a group of volunteers to help with the ongoing maintenance of the garden.

This project was made possible through a grant from the PA Department of Community & Economic Development (DCED), and through the generosity of a number of businesses and individuals. Our sincere thanks



A peek into the new four square garden with its traditional pickett fence reveals newly-created beds just awaiting planting season. Bricks and jugs of water hold protective plastic over the beds. A May 22, 2011 celebration of the garden's re-location is planned. Photo by Andrea Struble.

to the following: **James Rock and GRC Contractors**, the late **J. Edward Beck, Paul K. and Anna E. Shockey Family Fund**, and an anonymous donor. In addition, we are grateful for invaluable assistance provided by Rep. Todd Rock and his staff for help with the DCED grant, Brian Stum and B & D Lawn and Landscape Inc., John Frantz, Andy Gehr, Matt Gunder, Debbie Pflager, Wayne Martz, David H. Martin, Red Mohn, Chad Otis and the wonderful board and staff of Renfrew Institute.

On Sunday, May 22, 2011 we will officially celebrate the opening of the new garden with a festive event. Watch for more details to come!

Sherry Hesse

From Hammers to Backhoes, the Garden Relocation Required Lots of Tools and Work!



Above Left: Hammer in hand, Rick Piper & his fellow crew members from GRC Contractors built the garden's new fence, one picket at a time.



Above Right: Roy "Butch" Green from GRC helped excavate and level the new garden site.



Center Photo: Lester Wengert (left) & Galen Johnson delivered soil donated by D.H. Martin for the new garden.

Photos by Tracy Holliday

Welcome New Board Members

Renfrew Institute is pleased to welcome three new board members. Rochelle Barvinchack, Phil Kelly and Dave Secor were elected to the board in July.

Rochelle Barvinchack, a resident of the Shippensburg area, earned a bachelor of science degree and a master's degree in geo-environmental studies from Shippensburg University. She is a planner with Franklin County Planning Department, with a focus on conservation, agricultural preservation, recycling and land use planning.

"I became familiar with Renfrew Institute through the annual Earth Day Events, as our office is an annual participant," Rochelle said. "I am looking forward to serving on Renfrew Institute's board...I plan to work with organizations and schools in the Shippensburg area in order to promote the Institute and its services so that students of all levels can benefit from the many programs offered by Renfrew Institute."

Rochelle and her husband live in Shippensburg with their two children, Quintin, 13 and Peyton, 7.

Phil Kelly holds a bachelor's degree and MBA from Shippensburg University. His career has included various positions at Allegheny Power, 11 years in public affairs for Citicorp, and most recently two years at MEC, Inc., an electrical construction company.

Phil is owner of Millennium 3 Energy, specializing in energy solutions and bringing solar photovoltaic to the area in commercial and residential settings. He is a member of the American Solar Energy Society and the

Potomac Region Solar Energy Association.

With a variety of interests, including history, culture, and the responsible use of natural resources, Phil has held numerous board and leadership positions in Washington County, Md., including chairman of the Hagerstown-Washington County Chamber of Commerce and United Way Campaign Chair. He hopes to build connections for the institute within its Maryland service area.

Phil lives in Hagerstown, Md. with his wife, Donna. They have two daughters, Sharon, 25 and Susan, 20 and a foster daughter, Christina, 16.

Dave Secor of Chambersburg attended the U.S. Coast Guard Academy, Wilkes College, and the Pennsylvania State Police Academy, and holds a degree in Police Management from Northwestern University

Traffic Institute. He also earned Chartered Life Underwriter (CLU) and Chartered Financial Planner (ChFP) designations from The American College.

Dave served 25 years in the Pa. State Police, retiring in 1997, and was then employed in the financial field. He was elected Franklin County Treasurer in 2005, a position he still holds.

"I have a personal belief in stewardship of all gifts," Dave said. "Our ecology and history are priceless gifts that must be preserved and Renfrew exemplifies those ideals." Dave hopes to serve the Institute as an ambassador to the Chambersburg area.

Dave and his wife, Tawnya, have two adult daughters, Courtney and Kendyll, and a 5-year-old grandson, Carter. The Secor household also includes four dogs, twelve cats and a turtle.



Renfrew Institute's new board members (left to right) Dave Secor, Phil Kelly and Rochelle Barvinchack. Photo by Tracy Holliday.

Garden Volunteers Needed!

With the relocation of the Four-Square Garden, we will be recruiting a corp of volunteers to help maintain it. Along with the work will come opportunities to learn more about gardening and history from our garden experts.

Under the direction of Renfrew Institute staff, the volunteers will perform tasks such as weeding, watering and harvesting produce, which will be distributed to local food outreach organizations.

The vegetables are planted by visiting school children, but we may need help moving perennials in the spring.

If you are interested in becoming part of this group, please call the institute at 717-762-0373 or email us at: renfrewinst@innernet.net. Thank you!



Jimmy Fleagle of GRC Contractors tamps soil into newly created beds in the recently relocated four-square garden. Photo by Tracy Holliday.

Cultural Currents

with Sherry Hesse

EDITOR'S NOTE: *Cultural Currents* is a regular column in this newsletter. It features articles about past ways of life in our area, and strives to help us better understand our cultural heritage.

Flax Hatchels: From Utilitarian to Folk Art

The arrival of autumn brings visiting school groups back to Renfrew. Among them are 4th graders who attend the class, *Growing Clothes: Flax Culture of the Pennsylvania Germans*. They learn how the flax plant was grown on the farm and laboriously turned into linen cloth.

Before the easy availability of cotton fabric (around the mid 1800s), flax was grown and processed on most farms in the region. Flax is a bast plant, with the fiber found in the stem of the plant. Flax, and the resulting linen cloth, have been used by mankind for centuries, and the settlers of this region were no exception.

At present-day Renfrew, flax seed is sown in the spring and harvested in summer. The stems are *retted* (rotted) to loosen the fibers from the stem, and then stored in the barn until students arrive.

On the day of the *Flax Culture* program, the flax is dried over a low fire. Students then have an opportunity to try some of the tools used in the flax process. Among others, they use the flax brake to crush the stems of the plants, and the scutching knife to scrape out the hard parts of the stem, which are loosened by the brake.

After participating in those chores, the next step involves “watching time” for students instead of hands-on experience as a Renfrew instructor demonstrates hatcheling. Upon seeing the spiky nails of the hatchel, the kids “ooh and aah,” but keep a respectful distance.

A hatchel is a comb for separating and grading flax fibers to prepare them for spinning. It is made with iron teeth set into a wooden board. Hatchels are also known as hetchels and hackles. The origins of the word “heckle” come from this tool, as well as the expression, “raising my hackles.”

In the days of flax production on the farm, flax fibers were combed through a series of hatchels. The first was a coarse hatchel with handmade iron nails set about an inch apart on a wooden base. Next the flax was combed through an intermediate size, and finally through a hatchel with finely set spikes approximately a quarter-inch apart.



The wooden base of the hatchel was usually affixed to a bench or other work surface where it was held secure while the fibers were combed through it. During each combing some of the fibers would be left in the teeth of the hatchel. This was the short coarse part of the flax fiber known as “tow.” It was used for rough fabric, such as feed bags or flour sacks. You may recognize the word “towhead,”

meaning a child with blond hair. It came from a time when everyone knew that flax was a blond color.

With each combing more of the tow was separated from the finest fiber, which was used for the best linen cloth. By the time the hatcheling was finished, approximately a quarter of the flax would be left.

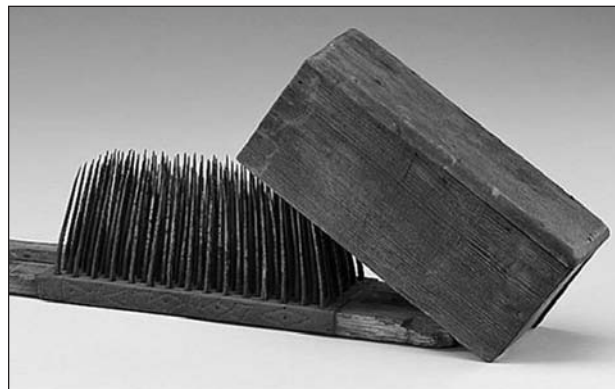
Hatchels varied greatly, ranging from primitive tools made by the farmer to ornate

pieces with intricate metal work that may have been given to a bride by her beloved. (We often ask the children who visit us if they would rather receive a hatchel or an engagement ring!) Many are dated, and may have initials pounded into the metal. Most dated hatchels range from the mid-1700s through the mid-1800s, when flax production was at its peak in this country.

Hatchels are typically rectangular, averaging about four inches wide by 12 to 15 inches long. When they were new, many had a protective wooden box that covered the spikes. Most of these covers have been lost over the years, but occasionally a hatchel with a cover will be found with some tow still in the box to cushion the sharp spikes.

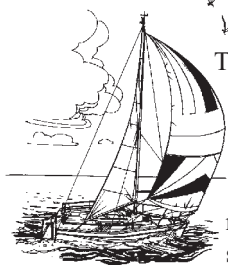
Some hatchels are shaped like a paddle with a handle. A few are circular, such as an unusual adjustable one that was recently donated to Renfrew Museum. Some are designed to be hung on a wall when not in use—but in a safe place away from people passing by!

(continued on page 20)



This vintage flax hatchel retains the protective wooden box used to cover the sharp iron teeth when not in use.

2010 Bay Supper Raises Nearly \$12,000!



The 13th Annual Chesapeake Bay Supper fundraiser was held on June 25, 2010, at the Waynesboro Country Club.

This successful annual event was attended by 191 hungry people (25 more than last year!) who dined on steamed hard shell crabs, clams and lots of other goodies. We were thrilled to see our "regulars," and delighted to also see several new faces!

The dinner and auctions netted \$11,784.15, and the event remains the top fundraiser for the institute.

Allegheny Power once again made a significant contribution, and **Steve Graham**, faithful benefactor of the institute, kindly repeated his donation of little neck clams. **Joann Hersh** secured a Good Neighbor grant from **State Farm Insurance**, which helped boost the bottom line.

Thanks go to all who attended, contributed, and donated their time and effort to make this such a special event. Be sure to mark your calendars for next year's Supper: **Friday, June 24, 2011!!** If you'd like to be a part of the Bay Supper Committee, please call 717-762-0373.

~The Bay Supper Committee

Thank You...

Thanks to everyone who supported the supper including the following...

GRANTS

Allegheny Power

Joann Hersh, State Farm Insurance Co. "Good Neighbor Grant"

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And...A huge **THANK YOU** to these planning committee members & their helpers:

Event Chair & Emcee: Allie Kohler

Auctions: Joann Hersh (Chair), Dick Hersh

Heads & Tails Game: Allie Kohler

Food & Arrangements: Jo Ann Kohler (Chair),
Waynesboro Country Club– Executive Chef
Kris LeHardy, Roberta Harner & Staff

Invitations: Eunice Statler (Chair), Shirley Faith,
Barbara Gaydick, Pat Heefner, Jo Ann Kohler,
Angela Grove Weagly & Janet Zook

Decorations: Bay Supper Committee, Jordan
& Taylor Trostle

Window Dressing: from the Hersh & Kohler gardens

Balloon Helium Courtesy of
John Ingels, Eichholtz Flowers, Waynesboro

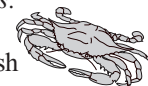
WASH All-School Production (2007) "Seussical" Fish
Created by Sue Kuhn & Angie Minnick



Special Thanks to auctioneer, Jerry Scruggs,
for donating his services for the live auction

Thanks again to Steve Graham for
providing the littleneck clams

Appreciation to Dave & Jane's Crab House, Fairfield, Pa.,
for procuring, preparing and delivering the crabs



Renfrew Institute is Pleased to Announce New Underwriting Support

Across a challenging economic landscape, we are privileged to announce new support from several area businesses and organizations.

APX Enclosures, Inc.

Andrew Papoutsis of APX Enclosures is a new institute underwriting partner, through his gift in support of the third grade environmental experience, *Trail of Trees*.

Established in January of 2001 under the name Tri-County Enclosures, Inc., APX Enclosures began with just 12 employees focusing specifically on the outdoor traffic enclosures market. In late 2003, Tri-County officially changed its name to APX Enclosures, Inc. and expanded operations into other markets, including telecommunications, security and public works.

Today APX has tripled its workforce. The company is recognized for its expertise and cutting edge solutions as it continues to manufacture specialty industrial enclosures.

Andrew became involved as an institute supporter upon the invitation of his friend and institute board member, Wayne Martz. In sharing his motivation for contributing to the institute's school programs, Andrew said, "We are grateful to be part of a program that promotes understanding of and learning about our environment. Trees are a major aspect of this, which need to be understood and appreciated."

During their two-hour journey on the *Trail of Trees*, students are launched on a quest for information by two



In front of the Trail of Trees "puppet curtain," institute instructors Nora Slick, left and Nancy Hall show students colorful fall leaves as they get instructions for their forest excursion. The program is sponsored in part by APX Enclosures, Inc. Photo by Tracy Holliday.

gifts

New Sponsorships

aged leaves, puppet characters *Millie the Maple Leaf* and *Timothy Tulip Poplar*. These foliar friends lament that they've fallen from their trees, seemingly no longer able to perform a viable function in the natural world.

Our young visitors set off on the trail, charged with discovering a secret password that will summon the wise *Old Hickory*,

who may reveal some hopeful news for Millie and Timothy about continued useful roles.

During an action-packed trip through the forest, students discover nuggets of information about trees and forests. At each activity station, they earn a single letter, which when combined at the end of the trail will spell the secret password.

Along the way, students gain an understanding of tree biology by "performing" as a living, growing tree. Each student demonstrates the function of a specific tree part, from heartwood to roots, and together, they illustrate seasonal growth activity through a lively dramatic interpretation, complete with sound effects.

Seasonal tree changes are further explored through a discussion of leaf color change. As students sit in a quiet spot in the woods surrounded by autumn foliage, they share in a literary experience that weaves a fanciful tale of *Taransa the Pixie*, who dances through the forest, transforming leaves

as she cavorts from tree to tree. Following this fantastical story, a scientific explanation is offered, which seems equally magical in its description of "how leaves change color" with the cessation of photosynthesis.

Further program investigations reveal diverse tree uses in the natural world (habitat, food, homes...) as well as human reliance on this forest resource for oxygen, food products, myriad product additives and of course, lumber.

Once activities are completed and letters shuffled, the secret password—SOIL—is discovered. Upon hearing that word exclaimed by students, *Old Hickory* appears and explains to Millie and Timothy that, through decomposition and release of nutrients beneath their trees, they'll continue to nourish the forest into the coming year.

For adventurous readers of this text who wish to explore the Trail of Trees... *Taransa's* wee hut can be found at the base of a hollow tree, with a well-swept entry and welcoming façade. Ask us which trail...we'll set you off in the right direction for a forest frolic of your own!

[Ed. note: see photo of *Taransa's* Pixie-sized house, pg. 19.]

Custom Sign Studio

Wayne Driscoll has big shoes to fill. Well, I should say he has *one* big shoe to fill...one *really* big wooden shoe—a clog in fact—suspended above his workspace in the Custom Sign Studio.

The shoe wound up on Wayne's proverbial foot through his friendship with institute board member, Marc Desrosiers. It seems that Marc "inherited" the shoe upon leasing the current site of RaceWax.com, his ski wax

(continued on page 18)

Renfrew Institute Members & Sponsors

Includes 2009–10 members and new/renewed for 2010–11 * = Honorarium—for donation of special time, talent and/or materials.

Today's Horizon (\$3,000 or more)

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WaterStriders...Leaf Pack Studies Help Monitor Antietam Creek



WaterStriders, a group of local middle school-aged students, meet once a month to conduct water quality monitoring tests as part of the Antietam Watershed Association's stream monitoring program. Striders also check out macroinvertebrates (water critters), participate in other watershed activities, take field trips and enjoy the company of their fellow Striders.



Recent institute intern, Matt Stefanic (center), works with WaterStriders Ian Skroban (left) and Brittney Mazie as they investigate macro-invertebrates collected in a leaf pack study conducted along the Antietam Creek as it flows through Renfrew Park. Photo by Tracy Holliday.

As part of their investigation into macroinvertebrates, *WaterStriders* sometimes participate in leaf pack studies, which help stream monitors determine water quality and other characteristics. Students from Summitview Elementary Environmental Club also came to Renfrew Institute recently to take part in one of the studies.

In a leaf pack study, mesh bags filled with carefully selected and measured amounts of leaves from trees growing along the streambanks are submerged in a creek's study site for one month. Pulling the bags after the time period and studying the critters that are found among the leaves reveals what the organisms are eating—or NOT eating.



Institute director, Melodie Anderson-Smith and former intern, Kathy Seiler retrieve a mesh leaf pack bag from Byrd Run at Shippensburg University during a leaf pack training workshop. Photo by Nancy Hall.

Many factors can be built into the studies in order to measure the impact of specific conditions. For example, testing native versus non-native tree species for macroinvertebrate food preference. Physical stream conditions, such as fast versus slow moving water, warm versus cold water, smooth versus rocky streambeds and other variations can reveal much about the types of aquatic life present and the conditions affecting them.

Renfrew Institute intern, Matt Stefanic recently assisted in conducting leaf pack studies with upper elementary and middle school students. [see article on page 11]

Melodie Anderson-Smith

Institute Scientists at Work



Left: A crane fly larva is one of the largest macroinvertebrates found during leaf pack studies. The adult form is the familiar "buzzer" that flies around lights on summer nights. It looks like a large mosquito, but it doesn't bite and it actually eats mosquitoes! Both photos by Tracy Holliday.

Right: Former WaterStrider, Jackie Rosenberger, gave a presentation in November to current Striders, instructors and parents. Her outreach activity fulfilled one of her requirements for the Wildlife Leadership Academy she attended last summer near State College. Everyone was happy to see Jackie again. She and her mom, Paige, stayed on for the leaf pack study that followed her talk.



Getting His Feet Wet—Intern Matt Stefanic

Renfrew Institute is nurturing a growing involvement with the geo-environmental studies department at Shippensburg University. Interns from the program are becoming a regular part of research and field work projects headquartered at the institute.

This fall semester we welcomed Matt Stefanic, a senior who loves watershed studies, particularly those that take him into our local creeks with both feet.

During his 120-hour internship, Matt conducted water quality tests at sites along the main branches and tributaries of both the West and East Branches of Antietam Creek, beginning at Renfrew Park.

As part of the Antietam Watershed Association's six year old stream monitoring program, citizen scientists complete monthly tests on select sites throughout the entire watershed. Sometimes monitors must discontinue their work for personal or other reasons. Enter Matt.

Picking up "dormant" sites and adding some new ones, Matt gathered important data to fill out a broader picture of water quality in those stream reach areas. He is compiling the data into reports that can be used in a variety of studies, including public presentations. Tests include water temperature, pH, dissolved oxygen, turbidity, alkalinity, nitrates and orthophosphates. Matt also assisted with new monitor trainings and helped inventory and manage monitoring equipment and chemicals.

Another fundamental, and perhaps most telling, assessment of stream water quality can be read through a study of the macroinvertebrates (aquatic "bugs") that live in the stream environment. Matt assisted during the institute's leaf pack studies with upper elementary and middle school students. [Ed. note: See article on *WaterStriders* and leaf pack studies, page 10]

Matt explained his involvement with the student studies. "The students' results were pretty exciting for me, especially as a fly fisherman. We found large numbers of stone flies and caddis flies which are great for fly fishing and rank very high on the biotic index. The best thing about this project was watching these young children get so involved in understanding our environment. The students involved in the *WaterStriders* program are there because they want to be there—it is not affiliated with the schools, so they do not get extra credit points or anything toward their grades for classes. I thought it was great to see children so young becoming so involved."

Twice during the fall, Matt went along with the institute's teaching staff to assist with the environmental education program for sixth grade students, *Discovering Wetlands*. The experience, along with his *WaterStriders* work, inspired a new interest for Matt in education. "I definitely am interested in education now. I could see myself teaching someday," he said.

Matt showed excellent rapport with the school students. One of them was so excited during the school program that she became a new member of *WaterStriders*



Shippensburg University student and institute intern, Matt Stefanic (right), conducts water monitoring activities in the East Branch of Antietam Creek with veteran water monitor, Bob Lawn. Photo by Melodie Anderson-Smith.

and attended the leaf pack study the following Monday after her field trip to the wetlands.

Matt is about to graduate as this piece is written. He plans to continue his aquatic work in the water. As an avid outdoorsman, Matt expects to spend as much time as possible enjoying and studying the fresh water stream environments of our area. We wish him all the best in his career and continuing studies and we thank him for his contribution to our knowledge of our Antietam Creek and its life.

Stay tuned—Two more interns from SU will begin work at the institute in January 2011.

Melodie Anderson-Smith



The brick hearth of the Fahnestock House kitchen. The restored property near the back of Renfrew Park is now used as the setting for some of the institute's cultural education programs. Beginning in 2005, both textile programs—Growing Clothes (Flax) & Raising Clothes (Wool)—are presented on the first floor ground level, using both the outside setting and historic interior, where the spinning wheel and loom are in operation. From Field to Table is set in the lower level historic kitchen, where a walk-in fireplace and root cellar contribute to the authentic experience. The hearth features a variety of period cookware donated by Steve Graham. Photo by Tracy Holliday.



Gimmee an S,
gimmee an A,
gimmee an L - A - M,
gimmee an A - N - D - E - R!

Whadda ya get? Spirit, Inspiration,
and Team Salamander 2010!

SALAMANDER SCRAMBLE

A highly visible “sea” of blue team shirts bobbing among the throngs of participants in the Waynesboro Jubilee Firecracker 5K, the 78 members of Team Salamander made a strong showing in every way!

A group of 53 adults and 22 youth members gathered at team headquarters early on the morning of July 3. They were treated to pre- and post-race massages, cold drinks and bagels, while having put themselves through the paces before setting a foot in a running shoe.

In equal measure, Drs. Stephen Bui, May Cao and Najiah Faour of Advanced Chiropractic, Foot and Ankle Care provided therapeutic massages on race day, along with

hundreds of dollars worth of prizes for Salamander champions. Other contributors included The Runner’s Sole, Flowering Heart Yoga, Baltimore Marriott Waterfront, Crossroads Commercial Realty, Inc., River and Trail Outfitters, TGIFriday’s, Pizza Hut of Waynesboro, Olympian Athletics and the Custom Sign Studio.

Members of the team enjoyed

training together in the pre-race weeks, forming new bonds and levels of commitment for their sport and for the institute.



Three participants, eager to be a part of the fun but unable to be present on race day, toed up for their own independent events in far flung spots...Nancy Hall “scrambled” on the beautiful western shore of the Chesapeake Bay above Calvert Cliffs; John Lefebure ran in the forested surrounds of Deep Creek Lake in Western Maryland; and Rod Teach sped along the streets of San Sebastian, Spain!

Each individual, at home and abroad, pledged to raise funds in support of Renfrew Institute’s programs and activities. After the dust had settled, more than \$7,000 was raised for the cause!

Having begun in 2008 with a team of 15 participants producing \$3,000 income, this demonstration of spirit and support bowled us over! Thanks to **Tru-Cut Lawn and Landscaping, Inc.**’s lead sponsorship, the purchase cost of 100 specialty team shirts was covered before a cent was raised. In addition, a sponsorship from Quang and Tammie Tran helped underwrite “Team Comfort” goodies and prizes. Quang also drove from New Jersey with his family to run in the race!



Simone Heurich of Flowering Heart Yoga conducted a complimentary yoga clinic for team members, focused on alignment and flexibility to aide runners in the prevention of injury. John Kelley and Fred Skroban

conducted “speed work” at the WASH track, and kept folks well informed about opportunities to connect with other runners through CFAR (Community, Fitness, Fun, Friends and Running), the local “running club” that was formed by charter members of Team Salamander.

[CFAR now boasts 100-plus members!]

(continued on pg. 13)





Among the greatest of rewards for participants is the satisfaction they feel, having contributed to the continuance of institute

programs for youth and families in our community.

Race day on July 3 found individual team members poised on the starting line with a variety of goals—some seeking PR's (personal records) on the Firecracker 5K course, while others sought simply to amble the course in the good company of others with a shared commitment to Renfrew Institute.



The event has been modeled for inclusiveness, for everyone from walkers to elite athletes. As committee chair Bob Correll said, "Any and all are invited to run, walk, scramble or sight see as they complete the Summer Jubilee Firecracker course wearing the Team Salamander jersey."

The elite did haul away their share of "hardware" from the event, and we're really proud of the cachet they lent to Team Salamander! One elite Jubilee participant, Shippensburg University student, Lauren Meckley donated her cash winnings to the "scramble" effort on the spot.



Salamander Scramble committee members include Correll, Diane Wilson, Fred Skroban, John Kelley and Stephen Bui. Each brought special talents to planning and executing the event.

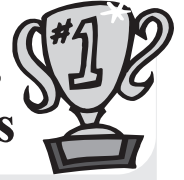
Though this has been a challenging year for the institute financially, we're fortunate for the care the community continues to show for the organization's activities. This is demonstrated by robust attendance at institute events as well as continued financial support by those individuals and organizations able to do so. Retractions by some donors that found themselves less able to help this year came with promises of resumed support next year if economic optimism prevails.

The Salamander Scramble 5K Fundraiser, perched on the final edge of our fiscal year, delivered a final flush of cash permitting us to close the books *in the black* once again in 2009–10.

Tracy Holliday

See photo of Team Salamander 2010 on page 22

SALAMANDER Awards & Prizes



Several team members were recognized at the conclusion of the 5K. In addition to prizes awarded to category "winners," *all Team Salamander members receive our hearty and enduring gratitude for their support of Renfrew Institute's activities through their participation in the 3rd Annual Salamander Scramble.*

FIRST PLACE TEAM FINISHES—ADULT:

- **Steve Ferree**—One hour therapeutic massage, donated by Advanced Chiropractic Foot & Ankle Care
- **Michelle Benshoff**—One hour therapeutic massage, donated by Advanced Chiropractic Foot & Ankle Care

FIRST PLACE TEAM FINISHES—YOUTH:

- **Abram Moats**—New Asics running shoes, donated by Advanced Chiropractic Foot & Ankle Care
- **Ali Correll**—New Asics running shoes, donated by Advanced Chiropractic Foot & Ankle Care

MOST FUNDS RAISED:

- **ADULT: Bea Boccalandro**—Brunch for four, donated by Baltimore Marriott Waterfront
- **YOUTH: Andrew Zaruba & Luke Baumgardner**—Tubing, donated by River & Trail Outfitters

SPIRIT AWARD:

- **Advanced Chiropractic, Foot & Ankle Care**—Office pizza party, donated by Pizza Hut Waynesboro

MOST FAMILY MEMBERS:

- **Shockey Family (David, Ashlyn, Vanessa, Janelle & Alexis)**—Case of Clif Bars

YOUNGEST RUNNER:

- **Vanessa Shockey**—Olympian Athletics gift certificate

SENIOR-MOST RUNNER:

- **S.K. Sherman**—Case of Joint Juice

The following Scramblers all received Gift Certificates donated by TGIFriday:

TRU-GRIT AWARD:

- **MALE: Steven Shaeffer** (recently quit smoking)
- **FEMALE: Heather Monn** (recently recovered from surgery)

DOUBLED FUNDRAISING GOAL:

- **Angela & Sarah Coy**

RAN ON HIS BIRTHDAY!:

- **Ian Skroban**



Photos by Angie Fuss

Sponsor Spotlight

Corporate Office Properties Trust

KEEPING IT GREEN

Corporate Office Properties Trust (COPT) is committed to “green” operations. Based in Columbia, Md., COPT is a real estate investment trust specializing in development, ownership and management/leasing of first-class office properties with the core purpose of *creating environments that inspire success.*

The firm has unique expertise in developing technically sophisticated buildings that are environmentally sensitive, sustainable and flexible enough to meet unique customer requirements.

Environmental and historic sensitivity are hallmarks of each project COPT undertakes, and the company has a track record of successfully incorporating these principles into development projects in communities across the country, from Colorado to Columbia to Cascade, Md.

COPT is known locally as the force behind the re-development at Fort Ritchie, a 591-acre former Army post in Cascade.

The firm initiated its efforts there by building the first LEED-Certified public building in Washington County, Md., the new Fort Ritchie Community Center. [LEED is an acronym for “Leadership in Energy and Environmental Design,” a rating system of the U.S. Green Building Council.]

COPT officials recently received notice from the U.S. Green Building Council that the Community Center has



A student in the Discovering Wetlands program investigates a macro-invertebrate with a field microscope. The program is sponsored in part by COPT. Photo by Tracy Holliday.

achieved LEED Gold certification. The Gold award signifies that the Community Center reached a stringent set of performance goals and earned a required number of points on a complex rating system covering five environmental categories: Sustainable Site Development, Water Savings, Energy Efficiency, Materials Selection and Indoor Environmental Quality.

Currently COPT has 22 LEED-Certified buildings (with 10 at Gold and 12 at Silver status). The Fort Ritchie Community Center is COPT’s first building certified under LEED-NC (New Construction).

The Community Center, which opened in September 2008, is a 21,000 square foot multi-use facility. A historic Fort Ritchie building was essentially preserved within the nucleus of the larger, newly-constructed complex. The center offers a wide variety of recreational activities to residents of Washington, Frederick, Franklin and Adams counties. COPT and PenMar Development Corporation (also an institute support partner) jointly funded the project.

We at the institute appreciate COPT’s stewardship philosophies that dovetail so closely with our own mission and activities. It’s especially gratifying when we’re able to forge partnerships with such natural affinity.

When first approached about supporting youth environmental education activities of Renfrew Institute, the company was prompt in making a multi-year pledge of commitment that has helped insure the financial well-being of the sixth grade experience, *Discovering Wetlands.*

Bill Hofmann, a longtime friend of the institute, is Senior Property and Environmental Services Manager at Fort Ritchie. Our alliance with Bill has made it easy to keep COPT apprised of the work we’re doing with youth. He has relished opportunities to visit our site, slogging through the wetlands in a way that evidences his personal commitment to *doing the right thing with the land* on which we all rely. Bill’s children, now young adults, are alumni of the institute school program series.

“I’ve been to Renfrew as a dad, scout leader and now a partner in the *Discovering Wetlands* program. COPT and Renfrew have a hand-in-glove relationship since we’re both committed to the same strong environmental values. I look forward to many more trips to the Renfrew wetlands; it’s very satisfying to help our youth better appreciate this special place, and the rest of the world they will someday touch.”

On behalf of the hundreds of children who benefit through their own soggy-socked, scientific investigation of this special ecosystem, we extend deep gratitude for COPT’s commitment to *Discovering Wetlands.*

Tracy Holliday




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Sponsor Spotlight

Beck Manufacturing

FORGING CONNECTIONS



Renfrew Institute is recognized throughout the region for helping people build connections... to the past and to the natural world. Anvil® International, parent company of local business, Beck Manufacturing, has also been building strong connections for more than 150 years.

Anvil's history stretches back to the mid-1800s, when a company named Grinnell® began providing the finest quality pipe hangers and hardware, fittings, couplings, valves, nipples, flanges and other "connective" products. Since 2000, these quality products and services—and the people who provide them—have been known as Anvil® International.

In 2001, Anvil® International acquired local business icon, Beck Manufacturing. Luckily for our community, the organization now known as Beck Manufacturing, a Division of Anvil® International continues to forge connections that improve quality of life for all who work and live here.

During the infancy of Renfrew Institute, a manufacturing company then known as Bitrek (later Beck Manufacturing) was instrumental in providing financial support of both the first environmental school program, *Green Energy*, and the organization's newsletter, *Streamside*.

During the mid- and late-90s, adjustments in the manufacturing sector caused a lapse in our partnership. But beginning seven years ago, with help from institute friend and Beck Mfg. IT officer, Greg Wenzloff, the partnership was restored with annual underwriting support for the institute's capstone environmental program, *Discovering Wetlands*, through Beck Manufacturing.

Steve Mason, comptroller at Beck, offered these words in describing the company's involvement with the wetlands program. "We at Beck Manufacturing believe Renfrew Institute's programs are important to the community and we're really glad we can help as a program underwriter."

We are grateful for the connections we've been able to build with the people whose professions led them to places like Beck Manufacturing and Corporate Office Properties Trust. It's our relationships with these *people*—who care about the young residents of our community—that contribute to an educational environment that nurtures and inspires.

During their two-hour *Discovering Wetlands* excursion, our young visitors learn about the importance of wetland ecosystems and our reliance on them to act as sponges (to prevent flooding), filters (to reduce pollution impacts) and nursery habitats for many important creatures in the natural world.

Students engage in scientific fieldwork with the use



During the environmental school program, *Discovering Wetlands*, students troll Antietam Creek, which runs through Renfrew Park, to collect macro invertebrates for study. The program is sponsored in part by Beck Manufacturing. Photo by Tracy Holliday.

of pH meters, microscopes and soil bore samplers, whetting appetites for further scientific studies.

The wetlands experience is the culminating lesson for Waynesboro area students who have attended institute programming from kindergarten (some even as pre-schoolers) through grade six. Over the course of their visits, children develop a sense of ownership of this *place* we call Renfrew. As seasoned students, they recall their journey of years with fondness for memories built throughout their elementary careers.

At the conclusion of the program, institute faculty members bestow upon our program graduates a title befitting their accomplishments...*Heritage Keeper*. Each graduate is presented with a certificate recognizing that through their participation in the school series, they "*hold much knowledge about Renfrew...its natural wonders and the stories of the people who lived here through the centuries. You have a sense of belonging here,*" it continues. "*This is your special place. You also carry a sense of responsibility for the care of Renfrew, today and in the future.*"

Each student creates a necklace made with materials that represent the honorable title, including a flaxen cord, earthenware beads and a "lucky bean" from the Kentucky coffee tree. The certificate invites students to return to Renfrew for future learning, promises that we'll be here to help, and encourages them to remain curious and explore broadly as they occupy their spots in the world.

Thanks to Beck Manufacturing and Corporate Office Properties Trust for their investments in building connections with the young people of this region and the community we share.

Tracy Holliday

Institute: Organization & Volunteers, January 1–December 30, 2010

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(effective July 1, 2010)
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 Dennis L. Koons,
Vice President
 Patricia A. Shew, *Treasurer*
 Maxine Beck, *Secretary*
 Rochelle L. Barvinchack
 Robert J. Correll
 Caroline Dean
 Debi Duffey
 Steve Graham
 Matt Gunder
 Patricia F. Heefner
 Phil Kelly
 Jason Levick
 Wayne S. Martz
 Richard A. Mohn
 Dave Secor

STAFF

(effective July 1, 2010)
 Melodie Anderson-Smith,
Executive Director
 Sherry Hesse, *Director of*
Cultural Studies
 Tracy Holliday, *Assistant*
Director/Grants Administrator
 Beverly McFarland, *Accounts*
Manager
 Andrea Struble, *Public*
Relations Director
 Doris Goldman, *Faculty*
 Nancy Hall, *Faculty/*
WaterStriders Instructor
 Stephanie Kober, *Faculty*
 Robert J. North, *Faculty*
 Pamela Rowland, *Faculty*
 Lori Schlosser, *Faculty*
 Beth Skroban, *Faculty*
 Nora Slick, *Faculty/Summer*
Institute Coordinator

Intern (Fall 2010)

Matt Stefanic (Geo-Environ.
 Studies, SU)

Accounting Consultant

Ray Miller, CPA

Educational Programs & Office Assistance Volunteers

Pat Heefner
 Amber Naugle
 Mary Ann Payne

COMMITTEES

(effective July 1, 2010)

Adult Education Committee

Pat Heefner (Co-Chr.)
 Marge Kiersz (Co-Chr.)
 Maxine Beck
 Leonora Bernheisel
 Garrett Blanchet
 Caroline Dean
 Bob Dee
 Phil Kelly
 Tom McFarland
 Andy Smetzer
 Brian Toro

Community Events Committee

Vacant (Chr.)
 Richard Mohn
 Lynn MacBride

Development Committee

John Schall (Chr.)
 Rochelle Barvinchack
 George Buckey
 Debi Duffey
 Bob Correll
 Dennis Koons
 Wayne Martz
 Dave Secor
 Pat Shew

Executive Committee

John Schall
 Dennis Koons
 Pat Shew
 Maxine Beck

Facilities Committee

Richard Mohn (Chr.)
 Bob Correll
 Phil Kelly
 Wayne Martz

Finance Committee

Pat Shew (Chr.)
 Caroline Dean
 Debi Duffey
 Richard Mohn
 Dave Secor

Historian

Mary Ann Payne

Membership Committee

Maxine Beck (Chr.)
 Steve Graham
 Matt Gunder
 Carol Ann Henicle
 Dennis Koons
 Jason Levick
 Edward A. Miller
 Angela Grove-Weagly

Nominating/Gov. Committee

Vacant (Chr.)
 Steve Graham
 Matt Gunder
 Dudley Keller
 Allison Kohler
 Jason Levick
 Edward A. Miller
 Linda Zimmerman

Personnel Committee

John Schall (Chr.)
 Dennis Koons
 Maxine Beck
 Pat Shew

Technology Committee

Marc Desrosiers (Chr.)
 Pat Heefner

Youth Education Committee

Vacant (Chr.)
 Bonnie Bachtell
 Rochelle Barvinchack
 Pamela Rowland
 Pat Shew

YOUTH AFTER SCHOOL/ WEEKEND/SUMMER PROGRAMS & PRESENTERS

Children's Summer Stories

Dorothy Fawks
 Laura Fawks
 Kathy Bourdeau

Heritage Crafts

Ed Beard—*Leatherwork*
 Jack Handshaw—*Pottery*
 Susan Matson—*Basketry*
 Robert North—*Piercing Tin*
 Beth Skroban—*Fun With Fibers*
 Liane Benchoff—*Volunteer*
assistant

Nose-To-Nose With Nature

Stephanie Kober
 (Staff Instructor)
 Nancy Hall (Staff Instructor)
 Pam Rowland (Staff
 Instructor)
 Nora Slick (Staff Instructor)

WaterStriders

Melodie Anderson-Smith
 (Staff Instructor)
 Nancy Hall (Staff Instructor)
 Doris Goldman (Staff Biologist)
 Matt Stefanic (Intern)
 Danielle Bautista
 Amy Draper
 Danae Draper
 Brittney Mazie
 Ian Skroban

COMMUNITY EVENTS

VOLUNTEERS & PRESENTERS

Spring Bird Walks & Trips

Jack Olszewski, Leader

Annual Kite Fly

Bill Flohr (Chr.)
 Twila Flohr

Earth Celebration Day & Festival of Art 2010

Nora Slick, *Earth Day*
Exhibits Coordinator
 Bridget Brown, *Artists*
Coordinator
 Clayton Black (Keystone Ford)
 Vertis Bream (Energy Options)
 Judy Bricker & Maggie Cisar
 (Flower Buds—Waterside
 Gardens)

Roy Burkepile (Franklin Co.
 Master Gardeners)

Sherry Clayton & Rochelle
 Barvinchack, Casey & Dale
 (Franklin Co. Planning
 Commission)

Laura Danyluk (Courtyard
 School Exhibits)

Ruth Davis (Population
 Connection)

Amy Draper (WaterStriders)
 Shirley Gossert (The Record
 Herald)

Tammy Gross & Donna Hayes
 (Franklin Co. Conservation
 District)

Carl Grove (Antietam
 Watershed Assoc.)

Nancy Hall (WaterStriders)
 Sally & Bob Hatch (Antietam
 Creek Watershed Alliance)

George Hurd (Penn State
 Cooperative Extension)

David Keller (Franklin Co.
 Commissioners)

Bert Kramer (Annapaca
 Farm/The Alpaca Shop)

Rudolf Lemperg (My Farm
 at Goose Pond)
 Florine & Russell Long
 (Long's Tree Service)
 DeAnna Loudermilk
 (Franklin Co. Honey Queen)
 Chris Mayer/students (Fulton
 Ctr. for Sustainable Living)
 Tom McCarty (Groundwater/
 Penn State Coop. Extension)
 Tom McFarland (Drum
 Circle)

Mike Mowen & Tom Smith
 (Franklin Co. Rock &
 Mineral Club)

Delmos Myers (geothermal)
 Jack & Holly Olszewski
 (Mother Earth Creations)

Steve Rettig (Antietam
 Watershed Assoc.)

Patric Schlee (Drum Circle)
 Kathy Seiler & Students
 (WASHS Envirothon Team)

Mary Ellen Selvaggio (School
 Exhibits & Drum Circle)
 Pat Shew (RI Board, received
 county proclamation)

Cheryl Shields (Waste
 Management)

Ian Skroban (WaterStriders)
 Tom Smith (Rock and
 Mineral Club)

Judith Spanomanolis (Trego
 Mountain Sanctuary)

Megan Warner (A Lily Pad
 Floral Affaires)

Angela Weathers (Franklin
 Co. Master Gardeners)

Michelle Zeigler (Matthew
 Zeigler General Contractor,
 Solatube)

Bob Ziobrowski (Franklin
 Co. Commissioners)

Festival of Art
 Bridget Brown (Chair &
 Decorative Folk Art)

Gary & Kath Anderson
 (Iron Intentions Forge)

Jacqueline Bayer (jewelry
 & visual art)

Denny Bingaman (wildlife
 photography)

Arthur and Sara Gernand
 (hypertufa planters)

Laura Koebnick (weaving,
 embroidery/stained glass)

Elaine Longenecker (basketry)
 Michael McIntyre (FireRobin
 Farm Pottery)

Penny Olson (fine jewelry)
 Anita Pfeuffer (Scherenschnitt
 -scissor cutting)

Kathleen Renninger (fine art)
 Patric Schlee (Wind Song)

Beth Skroban (Four Sons
 Farm wool products)

Peggy Strock (Pansies by
 Peggy/pressed flowers)

Debbie Geis
 (Children's Art Activity)

(continued on page 26)

Institute Staff Still Learning...

Several institute staff members were afforded professional development experiences over the past year, thanks to an anonymous gift of \$1,000 in support of such activities.

Institute faculty member, Beth Skroban attended a program hosted by The Mannings Handweaving School and Supply Center in New Oxford, Pa. The program featured a discussion on historic flax processing and lessons on how to take flax straw and process it into spinnable fiber.

Using antique equipment, participants learned how to break the straw and scutch it. They then used a number of different hackles to clean the remaining fiber and make it usable to spin. The program featured a demonstration of how to dress a distaff and spin the flax into linen thread on an antique flax wheel.

Stephanie Kober participated in the composting workshop conducted through the institute's adult education series. She was surprised to learn that her family had a passive composting heap "brewing" behind their garage and that with a little bit of attention it could be utilized. Kober pronounced the speaker, George Hurd of the Franklin County Extension Office, first rate. "He relayed the scientific information in a way that was easily understandable to the backyard composter," she said. "As a member of the institute's teaching staff, the lecture afforded me valuable knowledge in supporting our mandate."

Melodie Anderson-Smith and Nora Slick attended a presentation by Trego Mountain Sanctuary of Keedysville, Md., hosted by the Antietam Watershed Association. Both reported that they enjoyed learning about the animal rehabilitation efforts of the organization. The Sanctuary promotes wildlife conservation while serving the region with animal rescue and rehab. When possible, healthy native animals are released back into the wild.

Pam Rowland attended a biodiversity workshop at the Wildwood Nature Center in Harrisburg. The workshop, sponsored by the Pennsylvania Game Commission and Wildwood Nature Center, engaged participants in activities teaching students about biodiversity in different habitats.

Rowland also attended *Wild in the City: Peregrine Falcons*, a session held in the Rachel Carson Building, Harrisburg. The Pennsylvania Game Commission and Department of Environmental Protection sponsored the program, during which participants studied peregrines and observed the nesting pair on the Rachel Carson Building.

In addition, Rowland attended an herbal workshop with Dr. James Duke sponsored by Willow Pond Farm, Fairfield, Pa.

Andrea Struble enrolled in a semester-long course on web design at Hagerstown Community College. The course focused on the basic building blocks of creating a web site, such as HTML code and quality assurance, and on using Adobe Dreamweaver software. The course enabled Struble to maintain Renfrew Institute's website, changing and updating calendar of events, sponsorship information, etc. as needed.



EEEEewww! RI faculty member, Stephanie Kober (right) holds a hissing cockroach during a visit to the Insect Zoo at the Smithsonian Museum of Natural History. Other institute faculty that traveled to Washington D.C. recently for the professional development field trip included Melodie Anderson-Smith, Sherry Hesse, Tracy Holliday, Bev McFarland, Beth Skroban and Nora Slick. Photo by Melodie Anderson-Smith.

Tracy Holliday attended a workshop sponsored by the Association for Donor Relations Professionals focused on donor-centered development efforts. The session, hosted by Mercersburg Academy, included speakers from the academy, Juniata College and Yeshiva University. Holliday also attended a workshop sponsored by The Foundation for Enhancing Communities focused on the Logic Model, a program metrics mechanism for measuring program impact.

Institute director, Melodie Anderson-Smith and faculty member Nancy Hall attended a Leaf Pack Training Workshop at Shippensburg University on August 10 & 11. (See page 10) In addition, Anderson-Smith and Tracy Holliday attended an eco-exploration of Long Pine Reservoir, a kayak trip conducted by Susquehanna Outfitters. The trip, organized by Patti Nitterhouse of Penn National Community [Anderson-Smith is a Penn National resident], took participants into the waters of the Reservoir on sit-on-top kayaks, from which they observed flora and fauna. They traveled to the inflow spring supplying water to the site, and performed simple macro-invertebrate investigations. Intern Matt Stefanic followed up over several subsequent visits with additional research based on preliminary observations made that day.

Several members of the institute staff enjoyed a trip to Smithsonian Museum of Natural History where they spent the day viewing exhibits that included the Origins of Man, the Ocean, Insects and Butterflies, and an exotic coral reef created entirely by crochet.

Tracy Holliday

New Sponsorships *continued from pg. 7*



A student in the farmstead program, From Field to Table, learns to shell corn by hand. The program is sponsored in part by Custom Sign Studio. Photo by Tracy Holliday.

business. As the story is told, Wayne developed a bad case of “shoe envy” and expressed to Marc that he *really wanted* that big shoe for his own.

In a playful and good-natured gesture to broaden support for Renfrew Institute programming, Marc pledged the clog in exchange for Custom Sign Studio’s adoption of an institute school program

sponsorship. That shoe was made for walkin’ and that’s just what it did! Wayne made a contribution in support of the institute’s fifth grade farmstead interpretive program, *From Field to Table*—and the rest, as they say, is history.

As students discover during the program, early inhabitants of the region were responsible for planning ahead for the family’s nutritional needs, provided in large part through their own agricultural labors. *From Field to Table* provides students with opportunities to learn about agricultural history, as well as the chemistry of food preservation through a series of hands-on experiences. They become acquainted with traditional butchering practices (with occasional exclamations of new commitments to vegetarianism!) and leave with an edible lesson...fresh ground corn meal that will be baked into muffins or bread, allowing students to enjoy the “fruits of their labors.”

The Custom Sign Studio, formerly Wayne Driscoll Custom Sign, has been serving clients in the mid-Atlantic area since 1998. From single exterior signs for small businesses to large commercial interiors, Custom Sign Studio has the creativity, know-how, and energy to provide the best possible sign or graphic for any project or budget. In their new location at 310 West Main Street, Driscoll and his staff serve an expanded regional community.

As a parent of young learners, Wayne responded eagerly when we discussed partnership opportunities for program support. “Renfrew Institute is such a valuable asset to our children’s learning journey. I thought that this program was a perfect fit for my involvement.”

In an additional display of enthusiasm for the institute, Wayne and his son, Ben were members of 2010 Team Salamander! We appreciate the good humor exercised in bringing this partnership to fruition and are grateful for

Wayne’s commitment to the mission and activities of Renfrew Institute.

Dr. John Stauffer

Dr. John Stauffer has long nurtured an avid interest in history...an interest so avid that it led him to develop a local Franklin County landmark on the site of his mother’s family farmstead, historic Rock Hill Farm in Welsh Run, Pennsylvania.

With a desire to interpret the natural history and cultural significance of the Conococheague region—and more broadly, the Appalachian frontier in Pennsylvania, Maryland and Virginia—John undertook development of the Conococheague Institute at Rock Hill Farm.

Established in 1994 as a non-profit corporation, the Institute maintains five historic buildings, a 6,000-volume research and genealogy library, and more than 20 acres of scenic farmland, wetlands, meadows and trails/woodlands.

The organization is part of a network of sites belonging to the Colonel Washington Frontier Forts Association, all dedicated to promoting and interpreting the history of the French and Indian War in Pennsylvania, Maryland, West Virginia and Virginia.

The Institute has a special focus on exploring the history of the clash of cultures in the “Backcountry,” and the conflicts that happened here from the French and Indian War through the American Revolution.

When the Conococheague Institute was still in the “dreaming stage,” John consulted Renfrew Institute for guidance in crafting a path for an organization that could complement, without duplicating, efforts underway on this site. He has remained a devoted supporter of Renfrew

Institute, grateful for generous collegial sharing during the birth of Conococheague Institute, and appreciative of Renfrew Institute’s mission and activities in the region.

John’s most recent demonstration of support for Renfrew Institute is program sponsorship for *Growing Clothes: Flax Culture of the Pennsylvania Germans*.

(continued on page 19)



Students in the farmstead program, Growing Clothes: Flax Culture of the Pennsylvania Germans, practice drop-spinning yarn made from flax. The program is sponsored in part by Dr. John Stauffer. Photo by Tracy Holliday.

New Sponsorships *continued from pg. 18*

This farmstead interpretive program engages students with experiences that help them understand the labors of producing linen, the cloth of the farm.

Institute staff members sow flax seeds in April, growing a crop, then harvesting, retting and drying the flax in time for the arrival of students in the fall. Program participants complete the processing of flax straw using traditional tools and methods. Through each step in the process, students marvel at the transformations of those rigid plant stems that allow them to be spun into soft linen yarn, and then woven into cloth.

Each classroom receives a placemat-sized weaving at the conclusion of the flax-processing season—a much-abbreviated version of what, for early inhabitants of the region was a yearlong endeavor to clothe the family. [*Ed. note: see Cultural Currents article on flax culture, pg. 5.*]

John Stauffer recently described his motivation for flax culture program support. “The Conococheague Institute owes a great deal to Renfrew. We received so much help from all of those there who advised and steered us through the early days when we were trying to get off the ground. Without all of this help we may have never gotten started at all and would not be where we are today.”

We are fortunate for John’s sincere interest in helping to educate others about the rich history of this region. We’re equally fortunate for his enduring friendship and generosity.

Marge Kiersz

Marge Kiersz is a lover of words. During her tenure at the Waynesboro Area Senior High School library, she shared her love of words with young people. Her expertise as Library and Media Specialist and Secondary Level Gifted Education Coordinator guided students to rely on the written word for information and entertainment.

Education has played a large role in Marge’s life—as a parent of curious children, as a professional in a high school setting, and now, as a grandmother and co-chair of Renfrew Institute’s Adult/Teen Education Committee.

Marge considers herself a lifelong learner, so the fit seemed appropriate when she was asked to serve on the committee in a shared leadership capacity. Her ideas and energies have contributed to the roster of adult/teen education offerings over the past year and a half.

Although some of the institute’s adult lectures, workshops and field trips require participants to pay a fee, many are free, with at-will donations accepted to defray the cost of bringing programs to the public. In order to keep free and low-fee programming in place, individuals and businesses are invited to partner with the institute by making a financial contribution. Marge’s appreciation for the mission and activities of Renfrew Institute led her to move beyond committee service and “write the check.”

The Adult/Teen Education series offers programs for adults and older youth exploring diverse interests

(continued on page 21)



Fall Has Come

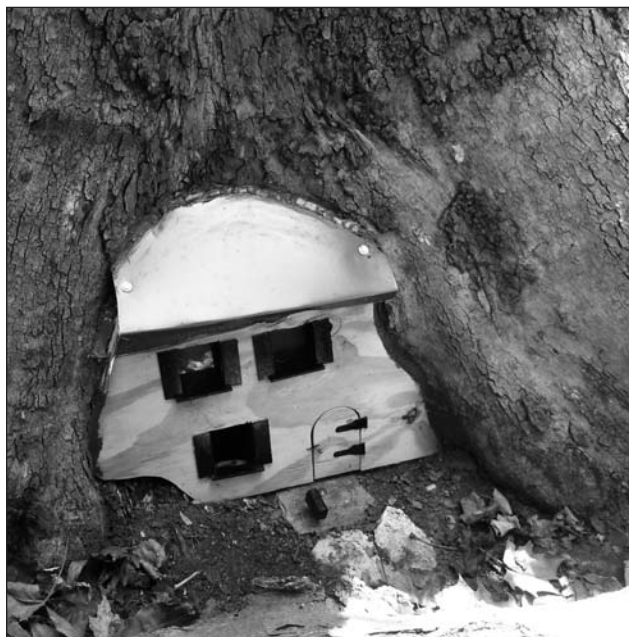
Fall has come,
Whisper clouds,
Hiding the sun,
As they chill the clear air.
Fall is here,

Cry the blooms,
With dew tear,
As they shed petal, petal.

Fall so soon,
Sing wild geese
In raucous tune,
As they wing intently south.

Fall at last,
Paints the frost,
Not even asked,
As winter edges nearer.

—by Bob North, October 2002



Nestled in an accommodating tree trunk is the tiny house of ‘Taransa the Pixie,’ custom-built by Ron Harbaugh. The story of Taransa helps students understand seasonal tree color changes in the school program, Trail of Trees. Taransa “dances through the forest, transforming leaves as she goes...” Following this magical story, a scientific explanation is offered about the reasons for leaf color changes. See pg. 7 for a full description of Trail of Trees. Photo by Tracy Holliday.

Flax Hatchels *continued from page 5*

Historically, flax production followed the seasons, as did most of life on the farm. Hatcheling was often done in November after the harvest of other crops, and after the braking and scutching, which occurred in the fall. In Pennsylvania German communities, hatcheling was women's work, and performed in the attic or an outbuilding. However, sometimes an itinerant man made his living traveling from place to place, hatcheling flax.

After hatcheling was complete, women spun it into yarn, which was taken to the weaver to be woven into cloth.

In the past, hatchels were a common, everyday item. Today they can be found at antique shops and estate sales, a reminder of times gone by. A quick look at the internet reveals many antique hatchels for sale, as well as notations about museums that house these once-utilitarian tools. The humble hatchel has entered the realm of collectible folk art.

Sources:

"The Story of Flax," Cooperstown, NY: New York State Historical Association.

Gehret, Ellen and Keyser, Alan G. "Flax Processing in Pennsylvania: From Seed to Fiber." *Pennsylvania Folklife* 2281:10.34. 1976.

Channing, Marion L. *The Textile Tools of Colonial Homes*. 35 Main Street, Marion, Massachusetts. 1971

Baines, Patricia. *Linen Handspinning and Weaving*. B. T. Batsford Ltd, London. 1989.

For more information on flax production, see *Streamside*, Cultural Currents: Volume 17 • Number 1 • September 2006



Cultural Currents author and Renfrew Institute instructor, Sherry Hesse, demonstrates flax hatcheling for students during the school program, Growing Clothes: Flax Culture of the Pennsylvania Germans. Photo by Tracy Holliday.

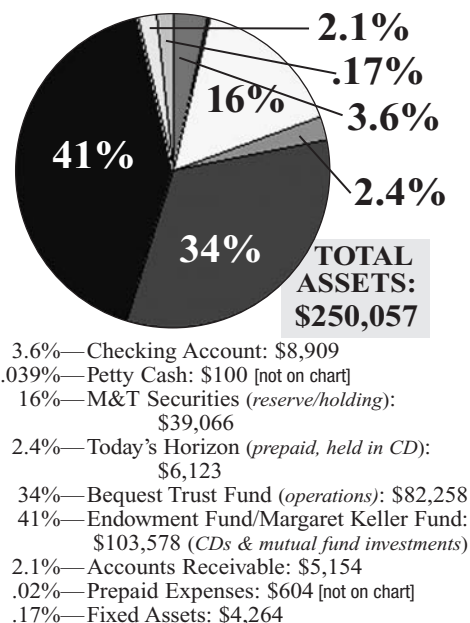
Renfrew Institute's Financial Health

Renfrew Institute Financial Statement 2009–10

(July 1, 2009–June 30, 2010)

Operating Income		Operating Expenses	
Memberships	\$30,787	Salaries, Benefits, FICA (faculty & admin.)	\$138,247
Bequests, Memorials	10,745	Community Events	6,707
Student Fees (inc. adult/teen wkshp)	38,665	Fund Raisers	11,171
Grants/Sponsorships (educational programs)	32,975	Suppl., Printing, Postage (programs, office, newsletter, etc.)	12,548
Grants/Sponsorships (community events)	6,112	Professional Devel./Chamb. Memberships	703
Grants/Today's Horizon Fund	16,114	Admin./Consult. Fees	1,760
Fund Raisers (Pumpkin Fest, Yard Sale, Bay Supper, Salamander Scramble)	32,907	Phone/Internet/Equip. Maint.	1,625
Other (special projects, interest, misc. donations, etc.)	2,164	Insurance	1,625
Restricted Income (sit-upons, butter churn, period clothing, recycle can, banner)	1,554	Misc. (petty cash, exhibits, owl box sealer, mtg. snacks)	163
Accounts Receivable	5,154	Restricted Expense (butter churn, period clothing, recycle can, banner)	691
Total Income	\$177,177	Total Expense	\$175,240

Renfrew Institute Assets as of 6/30/10



Memorial & Honorial Donations

Thank you to the following who have each made a special donation to Renfrew Institute.

in memory of...

Harry D. Catts

Bernie & Rosemarie Roberts

in memory of...

Joyce Ceyler

and in honor of...

Richard D. Ceyler

Angela Grove-Weagly

in memory of...

Joyce Ceyler

and in honor of...

Eunice Statler

Richard D. Ceyler

in memory of...

William H. Gelbach, Jr.

Ed & Marie Beck

in memory of...

Pauline Maxwell

Ed & Marie Beck

Mary Ann Payne

in memory of...

Peter Robson

The Brock Family

Business Office/Homes by Keystone, Inc.

Sales Office/Homes by Keystone, Inc.

Contracting Office Staff/Letterkenny Army Depot

Steve & Mary Cramer

Homes by Keystone, Inc.

The Jackson Brothers & fans

Mary Lou & Tim Misner

Cheryl & John Noll

Clifton & Candace Norris

The Robson Family

Terry & Cindy Sullivan

Bill & Cindy Werzyn

Jan & Tom West

in memory of...

Thomas J. MacBride

Martha A. Adams

Ed & Marie Beck

Stephen & Maxine Beck

Don & Phyllis Brothers

George & Marty Buckley

Greg & Debi Duffey

Bill & Liz George

Steve Graham

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Wayne & Deb Martz

Eunice Statler

H.R. & Barbara Sulanke

Charles & Undine Warner

Waynesboro Hospital Board & Employees

Bob & Jan Wingerd

in memory of...

William Payne

Isabell & Raymond Alleman

John & Helen Benchoff

Marguerite Byrnes

Gail & Phil Hammond

Jay & Pat Heefner

John & Lynne Herc

Naomi K. Keeney

Larry & Colleen Shemer

Diane C. Strock

in memory of...

Harry S. Anderson

John N. & Martha Dudley Keller

New Sponsors *continued from pg. 19*

including astronomy, geology, musical instrument craft (participants this year will make a rainstick), spring bird walks, fall and winter owl prowls, and a spring lecture series that alternates annually between environmental and cultural topics. This spring, discussions about recycling will be featured.



Geologist Jeri Jones, left, conducts popular annual lectures and field trips—one of the many programs offered by the institute's Adult/Teen Education Committee.

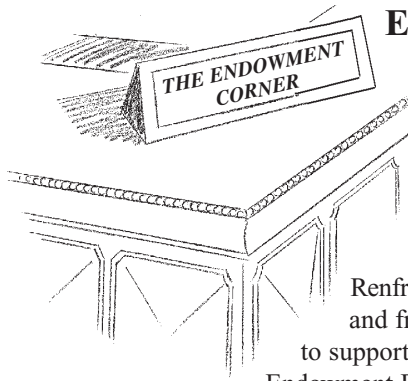
Adult Education programming is sponsored in part by Marge Kiersz. Photo by Melodie Anderson-Smith.

In addition to her intellectual pursuits, Marge is a gracious hostess. Many speakers arrive from distant points in need of a meal prior to their engagement. It is often Marge who graciously escorts them to a local eatery, enjoying some moments of personal interaction. This “getting to know you” time serves her well later, as she introduces guest speakers to an appreciative crowd.

In pondering her involvement with the committee and her motivations for supporting institute activities as an underwriting supporter, Marge reflected, “Renfrew Institute hosts such a wonderful group of speakers and teachers to our area that I am honored to be a part of the fun.”

If you know Marge, please thank her for her role in bringing together programming designed to entertain and inform our adult/teen community. We at the institute join you in offering that gratitude on behalf of the hundreds of folks who benefit from her generosity.

Tracy Holliday



**Endowment
Corner—
ENDOWMENT
FUND UPDATE**
with George P.
Buckey, *Chair,*
Endowment Trustees

Renfrew Institute's members and friends have continued to support the growth of our Endowment Fund. Donations last year (2009–2010) totaled \$7,100.

The value of the fund, recovering somewhat from the worst of the recession, stood at \$120,175 on June 21, 2010. That value has climbed since then and is currently \$133,822.

At this writing, a mailing is being prepared for our annual supplemental giving campaign for the Endowment Fund. We hope you will be able to help grow the fund by contributing as generously as you can. Your gift will help secure the future of our organization.

Contributions are welcome year round. Please make your check payable to Renfrew Institute (memo "endowment") and send to: Renfrew Institute, 1010 E. Main St., Waynesboro, PA 17268. For more information, please call our office 717-762-0373 or email us at renfrewinst@innernet.net.

Our sincere thanks to the following, who made donations since the last Streamside listing:

Leonora Bernheisel

John N. & Martha Dudley Keller,
in memory of Harry S. Anderson

Barbara Kercheval

A Note from a Student

A letter of thanks from a Chambersburg Area Middle School 6th grade student after attending the institute programs, *Discovering Wetlands* and *From Field to Table*. The letter is reprinted here from the original.

November 16, 2010

Dear Ladies at Renfrew,

I love the outdoors and when I heard we were going to Renfrew I was so thrilled. I don't mind the cold so I didn't really care. Plus, I love hands on learning, it's the best way I learn. I also like wetlands so that was also a nice thing.

Some fascinating things I saw were the aging remains of the windmill [grist mill] and the smokehouse; I have never been in a smoke house or seen one. I love being outdoors and fishing and I saw a few tiny fish so that was kind of cool too. And I saw a few animals like squirrels.

Several things I did were, I looked thru a microscope at tiny little bugs. Another thing I did was grind corn and then one of my teachers made cornbread with it. I made sauerkraut by crushing cabbage and putting vinegar in it. We also went to the river and caught some tiny insects. While some kids were grinding corn others went into that little cellar witch [which] was pretty interesting.

We learned about plants that are in wetlands and we also learned about wetlands. A further attention-grabbing thing we learned about was PH levels; I never knew there was a scale for measuring the acid content of something. In addition we learned about colonial times and how people back then survived.

Furthermore I would like to say thanks for taking us around Renfrew and teaching us about wetlands and colonial times. I especially liked how much hands-on learning there was. I had a great time at Renfrew and would love to go there again.

Sincerley,
Nick K.



Team Salamander 2010 assembled in the early morning of July 3 to "run, walk or scramble" over Waynesboro's Firecracker 5K race course to benefit Renfrew Institute. See the full story on pages 12–13. *Photo by Angie Fuss.*

Summer Institute 2010

*Summertime...and the living was easy
Summertime...and there were kids in
the park.*

From late June through July, kids enjoyed “Summer Institute” programs taught by our institute faculty and invited artists.

Nose to Nose with Nature, a popular Wednesday morning program, encouraged imagination, exploration, and even time in the creek.

Heritage Crafts instructors taught classes in basketry, tinsmithing, leatherwork, pottery and fiber arts.

And *Summer Stories* returned this year. On Tuesday afternoons, children and family members gathered under the horse chestnut tree near the visitors center for stories and related hands-on activities.

Enjoy these photos of the young people at work and play as they enjoyed their summertime institute experience.

Photos by Nora Slick.



Members & Sponsors *continued from page 9*

Organization Exchange

The Accokeek Foundation
Alliance for the Chesapeake Bay
Antietam Fly Anglers
Antietam Watershed Assoc.
Conococheague Institute
The Discovery Station
Franklin County Master Gardeners
Franklin County Rock & Mineral Club
Little Antietam Creek, Inc.
Nicodemus Center for Ceramic Studies
Renfrew Museum & Park
TriState Astronomers
Strawberry Hill Nature Center
Waynesboro Historical Society

Student

(\$10)

Non-Member Donation

Becky Dietrich
Karen & Martin Lison
Lauren Meckley
Bonnie Wolff

SPONSORS

2009–10 AND 2010–11

A. C. & T. Company, Inc. - *Lifesavers of the Chesapeake Bay*
APX Enclosures, Inc. - *Trail of Trees*
Advance Auto Parts - *Recycle/Reuse Yard Sale*
Advanced Chiropractic Foot & Ankle Care - *Salamander Scramble*
Advanced Financial Security, Inc. - *Chesapeake Bay Supper Fundraiser*
Anonymous - *Four Squares: Pennsylvania German 4-Square Garden*
Anonymous - *Professional Development*
Anonymous - *Today's Horizon*
Allegheny Energy - *Chesapeake Bay Supper Fundraiser*

Beck Manufacturing, Inc. - *Discovering Wetlands*
Leonora Rocca Bernheisel (Mary's Delight Farm) - *Wool Culture, Royer Legacy & Faculty Chair*
Bonded Applicators, Inc. - *Royer Legacy*
Kenneth Bricker, II - *Sit-upons*
Buchanan Auto Park - *Annual Fun Fly (kite fly)*
Cinetic Landis Grinding Corp. - *Jazz Festival*
The Columbia Bank - *Wake Up Earth, It's Spring*
Michael Cordell Real Estate - *Home Sweet Home*
Corporate Office Properties Trust - *Discovering Wetlands*
Craig, Friedly, Potter & Moore Insurance - *Discovering Wetlands*
Crossroads Commerical Realty - *Salamander Scramble*
Custom Sign Studio - *From Field to Table*
Dru's Books N' Things - *Recycle/Reuse Yard Sale*
F&M Trust Co. - *From Field to Table, Wake Up Earth, It's Spring*
First National Bank of Mercersburg - *Recycle/Reuse Yard Sale*
Foreman's Rare Coins - *Chesapeake Bay Supper Fundraiser*
Franklin Co. Visitors Bureau - *Jazz Fest*
Franklin Co. Rock & Mineral Club - *Special sponsorship support, Adult/Teen Education*
Nancy Erlanson & Don Gibe - *Lifesavers of the Chesapeake Bay*
Gold's Gym of Waynesboro - *Recycle/Reuse Yard Sale*
Steve Graham, in memory of Virginia Steck Graham - *Discovering Wetlands*
GRC General Contractors, Inc. - *In-kind support, 4-Square Garden Relocation*

Grove-Bowersox Funeral Home - *Fall Walk*
Johnson Controls, Inc. - *Lifesavers of the Chesapeake Bay*
William & Kathleen Kaminski - *Fall Walk*
Marge Kiersz - *Adult Education Lectures & Workshops*
Dennis L. Koons of Raymond 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*
Cheryl Larson & Deb Matthews, in memory of Colleen Larson & in honor of Frank Larson - *Streamside*
Lochstampf Funeral Home - *Streamside*
M & T Bank - *Four Squares: Pennsylvania German 4-Square Garden*
Martz Plumbing, Heating & AC, Inc. - *Streamside*
Chet & Betsy Mauk - *Bay Supper Fundraiser*
Alice Mellot - *Streamside*
Patricia O'Connor - *Streamside*
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*
PenMar Development Corp. - *Today's Horizon Fund*
Lucinda D. Potter, CPA - *Sidney's Wonder Web*
RaceWax.com LLC - *Fall Walk*
Bernie & Rosemarie Roberts, in memory of Harry D. Catts - *Earth Encounters*
The Nora Roberts Foundation - *Today's Horizon Fund*

Jeff, Shirley & Kelsey Rock - *Streamside, Lifesavers of the Chesapeake Bay*
Rotary Club of Waynesboro - *Wake Up Earth, It's Spring, EarthSeekers*
Savage Family Pharmacy - *Bay Supper Fundraiser*
Dr. Ronald F. Shultz - *Chesapeake Bay Supper Fundraiser*
Law Office of Anne M. Shepard - *The Royer Legacy*
The Paul K. & Anna E. Shockey Family Fund - *Four Square Garden Relocation*
State Farm Insurance Co. - *Marvin Visits Earth*
Dr. John Stauffer - *Flax Culture*
Susquehanna Bank - *Youth Festival*
Total Vac - *Recycle/Reuse Yard Sale*
Tower Bank - *Dairy Culture*
Quang & Tammie Tran - *Salamander Scramble*
TruCut Lawn & Landscape LLC (Curtis Koons) - *Salamander Scramble*
Charles & Undine Warner - *Adult/Teen Education Lecture Series*
Ed & Marcia Warren, Mother Martin's Coupons - *In-kind support, Recycle/Reuse Yard Sale*
Waste Management Co. - *Water Striders* (after school program)
Waynesboro Area Education Association - *Fall Walk, From Field to Table*
Waynesboro Lions Club - *Discovering Wetlands*
Angela Grove Weagly, in memory of Joyce Grove Ceyler & in honor of Richard D. Ceyler - *Earth Celebration Day & Festival of Art*

Fall/Winter 2010–11 Calendar of Events

Special Program: Death from the Skies—The Threat of Asteroids & Comets

Thursday, February 3, 2011 at 7 PM [SNOW DATE: FEB. 17]. Presented in partnership with Tri-State Astronomers. Underwriting support provided by Marge Kiersz

Dr. Lawrence Marschall, W. K. T. Sahn Professor of Physics at Gettysburg College, guest lecturer. In the past few years, astronomers have discovered more than a quarter million previously unknown minor planets circling our sun, and have observed many previously unknown comets crashing into the sun. This talk will describe why there's such great interest in the smaller bodies of the solar system, how we detect the dangerous ones, and what we can do to stop them from hitting earth. This event is free and open to the public (donations accepted). In the Visitors Center.



Lecture Series

Dates in Spring to be announced, 7 PM at the Visitor Center
Underwriting support provided by Charles & Undine Warner

Annual lecture series features guest speakers & will focus on recycling. Free and open to the public.

Many more programs for winter and spring are being planned. Call for complete listing after January 1, 2011—or check our website for updates at www.renfrewinstitute.org

Joining Forces *continued from pg. 1*

involving Shippensburg University geo-environmental students and professors, AWA, Franklin County Conservation District, Franklin County Planning Department, Chesapeake Bay Foundation, Capital Resource Conservation and Development (RC&D) Area Council, Inc., and Renfrew Institute. Watch for an article about this collaborative project in the next issue of *Streamside*.

Franklin County Master Gardeners have been involved with Renfrew Institute in a variety of ways over the years. Their knowledgeable members have presented lecture programs, staffed display tables at Earth Celebration Day, and provided volunteer assistance and consultation with our four-square garden staff.

(continued on page 27)

Thanks

- ...to **Jim Diller** for technical assistance in the office.
- ...to **Elet Hall** for work on the new 4-square garden and for creating wooden plank wetland access for students in the program *Discovering Wetlands*.
- ...to **Don Malone** of the Penn National Woodworkers for slicing and drilling approximately 250 wooden cookie nametags for the *Earthseekers* kindergarten program, *Nose to Nose With Nature* summer program and other uses. Thanks also to PN Woodworker, **Gary Strickler** for offering to be “in the wings” if needed to help with the same task in the future.
- ...to **Pat Heefner** for help in the institute office.
- ...to **Amber Naugle** for weekly help with office and program tasks.
- ...to **Mary Ann Payne** for continuing work on the institute’s archives, *EarthSeekers* awards, star necklaces for 1st grade program, *Marvin Visits Earth*, and other program-related tasks.



WELCOME

New Members!

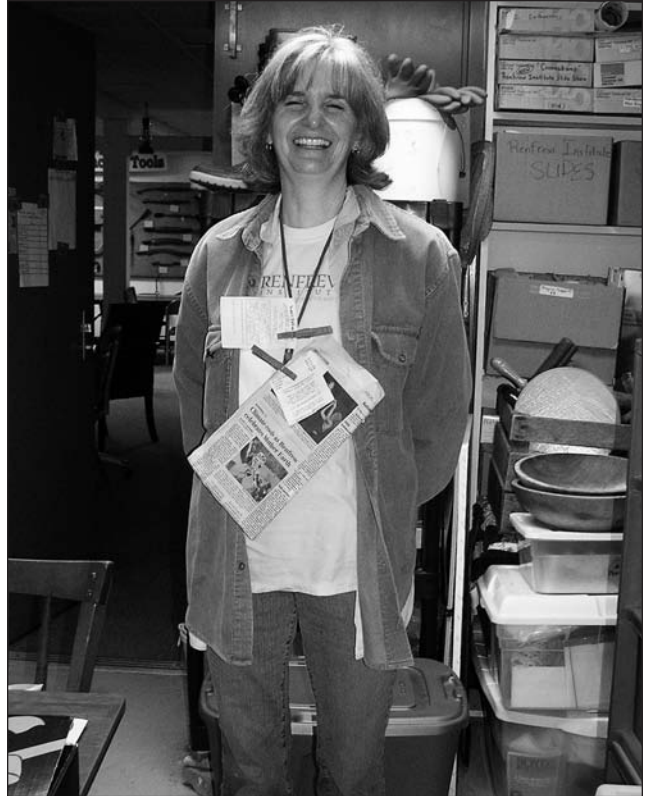
Note: New members sponsoring specific programs are listed under *Gifts—New Sponsorships* on page 7.

* = *Honorary - for donation of special time, talent and/or materials*

Susan Baker	Alvin & Jackie Henicle
Rochelle Barvinchack	Lois Hershberger
Daniel & Tina Betts	John R. Hershey III
Patrick & Anita Brezler	Little Antietam Creek, Inc.
Pamela Wagner &	(LACI)
Ned Brown	Scott Lux
Beth Bryant	Chet & Betsy Mauk
Steven & Holly Cieri	Craig & Susan Muck
Michael Engle	Carmen Richardson
Foreman’s Rare Coins	Steven E. & Daphne M. Riley

Errata:

Kim & Dennis Shockey were inadvertently omitted from the New Members list in 2009. Our apology for the error.



Have Notes Will Travel—A human bulletin board?

Institute faculty member, Nancy Hall, arrived at work one day bedecked with an array of items on her “to do” list. Now that’s efficiency! *Photo by Melodie Anderson-Smith.*

RENFREW INSTITUTE BOARD OF DIRECTORS

John Schall, *President*
 Dennis L. Koons, *Vice-President*
 Patricia A. Shew, *Treasurer*
 Maxine Beck, *Secretary*
 Rochelle L. Barvinchack
 Robert J. Correll
 Caroline Dean
 Debi Duffey
 Steve Graham
 Matt Gunder
 Patricia F. Heefner
 Phil Kelly
 Jason Levick
 Wayne S. Martz
 Richard A. Mohn
 Dave Secor

RENFREW INSTITUTE STAFF

Melodie Anderson-Smith, *Executive Director*
 Sherry Hesse, *Director of Cultural Studies*
 Tracy Holliday, *Assistant Director/Grants Administrator*
 Beverly McFarland, *Accounts Manager*
 Andrea Struble, *Director of Public Relations*
 Doris Goldman, *Faculty*
 Nancy Hall, *Faculty/WaterStriders Instructor*
 Stephanie Kober, *Faculty*
 Robert J. North, *Faculty*
 Pamela Rowland, *Faculty*
 Lori Schlosser, *Faculty*
 Beth Skroban, *Faculty*
 Nora Slick, *Faculty/Summer Institute Coordinator*

Organization & Volunteers *continued from pg. 16*

Youth Festival 2010

Kathy Bourdeau (Co-chair)
 Kim Sheffler (Co-chair)
 Traci Walizer (Co-chair)
 Beth & Cady Angle
 Cookie Beck
 Maxine Beck
 Henry & Lucy Bourdeau
 Valerie Dudash/River
 & Trail Outfitters
 Preston Dunn
 Pat Edwards
 Dottie Fawks
 The Frantz Family
 Denny Koons
 Lora Koons
 Emily Ledden
 Trevor Madsen
 Tom McFarland
 Amber Naugle
 Anita Pfeuffer
 The Sheffler Family: Kim, Dan,
 Moriah, Jensine, Abigail
 Pat & Richard Shew
 Nora Slick
 Barb Smith
 The Walizer Family: Traci,
 Todd, Titus, Tobiah
 Waynesboro Children's
 Theatre Troupe
 Peg Wagaman & St. Andrew
 Church Youth Group

Jazz Festival 2010

Andrew Sussman (Chr.)
 Steve & Maxine Beck
 Bob Correll
 Caroline Dean
 Pat Fleagle
 Angela Grove-Weagly
 Matt Gunder
 Carol Ann Henicle
 Sherry Hesse
 Denny & Katie Koons
 Emma & Justin Lewis
 Jason Levick
 Wayne Martz
 Bev McFarland
 Edward A. Miller
 Red Mohn
 Clay Moyer
 Dave & Tawnya Secor
 Patricia & Richard Shew

Halloween Storytelling

Jennifer Vanderau, *Teller*
 Caroline Dean
 Debi & Greg Duffey
 Nora Slick

FUND-RAISING EVENTS

Earth Day Recycle/Reuse Yard Sale 2010

Committee:
 Debbie Pflager (Chair)
 Allie Kohler
 Dennis Koons
 Richard Mohn
 Bonnie Rhodes
 John Schall
 Sue Von Rembow
 Linda Zimmerman
 Bonnie Bachtell
 Sandy and Rob Beaumont
 Liane Benchoff
 Duane Bock

Caroline Dean
 Marc Desrosiers
 Debi Duffey
 Bob Correll
 Michelle Crawford
 Michele Ford
 Matt Gunder
 Dick and Joann Hersh
 Erin Kissoon
 Katie Koons
 Lynn MacBride
 Wayne Martz
 Bob Moser
 Alice Noll
 Kristen Oldham
 Gloria Pine
 Jeff Rhodes
 Pat & Richard Shew
 Nora Slick
 Cassidy Stuff
 Tammy Szaflarski
 Ron Von Rembow
 Jeanne Wallace
 Frank Winebrenner
 Neil Yost
 Judy Zafft
 Bob Zimmerman

Chesapeake Bay Supper

[PLEASE SEE COMPLETE LIST
 OF BAY SUPPER VOLUNTEERS,
 PATRONS AND SPONSORS, PAGE 6]

Salamander Scramble 5K Run

Team Salamander 2010

Melodie Anderson-Smith
 Juliana Baumgardner
 Libby Baumgardner
 Luke Baumgardner
 Michelle Benchoff
 Bea Boccalandro
 Jeremy Bowersox
 Wayne Buhrman
 Stephen Bui
 Minh Cao
 Thanh Cao
 Dan Cardoso
 Ali, Bob & Timothy Correll
 Angela & Sarah Coy
 Ben and Wayne Driscoll
 Lori Eigenbrode
 Najiah Faour
 Steven Feree
 Nancy Hall
 Bobbi Helman
 Tracy Holliday
 Tricia Inverso
 Elena Kehoe
 John, Kody & Tiffani Kelley
 John Lefebure
 Daryl Lehman
 Steve Long
 Xuan Luong
 Diana & Greg Lyon-Loftus
 Rachel Moats
 Laszlo Maderas
 Will Manning
 Heidi Marks
 Abram Moats
 Heather & Mark Monn
 Harry Morningstar
 Patrick O'Brien
 William Pflager
 Meg Phelps
 Kira Piper

Niclole Prorock
 Kurt & Lori Schlosser
 Katherine, Steven and
 Suzanne Shaeffer
 Kathy Seiler
 Patricia & S.K. Sherman
 Ashlyn, Alexis, David, Janelle
 & Vanessa Shockey
 Beth, Fred & Ian Skroban
 Vicki Stinebaugh
 Rodney Teach
 Quang Tran
 Nolan & Pat Vores
 Kevin & Samantha Wade
 Michele Wilhide
 Chris, David & Diane Wilson
 Ya-Chuan Yu
 Alex Zaruba

Salamander Scramble

Committee:

Bob Correll (Chair)
 Stephen Bui
 John Kelley
 Fred Skroban
 Diane Wilson

Salamander Scramble Volunteers

Elaine Buhrman
 Angie Fuss
 Pat & Jay Heefner
 Beverly McFarland
 Brian Patton
 Patricia & Richard Shew
 Nora Slick

Pumpkin Festival 2010

Debbie Pflager (Co-Chair)
 David Hykes (Co-Chair)
 AARP South Chapter
 Jane Angle
 Melodie Anderson-Smith
 Antietam Ford Tractor
 B Equip, Inc./Frank Beckner
 Bonnie Bachtell
 Rochelle & Shawn
 Barvinchack
 Grace Baylor
 Sandy & Rob Beaumont
 Brian Beck
 Cookie Beck
 John Beck
 Marie & Ed Beck
 Maxine & Steve Beck
 Liane Benchoff
 Marilyn Bender
 Richard J. Berklite
 Leonora Bernheisel
 Jane Birt
 Garrett Blanchet
 Matthew & Jamie Bowders
 Tyler Bowders
 Phyllis Brothers
 Grace Brown
 Nancy Brown
 Alfred Brubaker
 Beth Bryant
 Marty & George Buckley
 Charlotte Carbaugh
 Alexis Cleary
 Deadre Coleman
 Susan & Frank Conway
 Carol & Rich Cool
 Neil Davidson
 Jocelyn Davis

Mary Davis
 Mary Dennis
 Jim, Judy & Timothy Diller
 Debi Duffey
 Kate Dunbar
 Emily Elden
 Judy Elden
 G. Matt Elden
 Peggy Etter
 Barbara Fines
 Karen Fitzgerald & WASH
 Nat'l. Honor Soc. Students
 Twila Flohr
 John & Jean Frantz
 Anissa Freeman
 Barbara Gaydick
 Mark Gayman
 Doris Goldman
 Charlene Good
 Melanie Graves
 Gloria Green
 Matthew Grimm
 Angela Grove-Weagly
 Brandon Hahn
 Nancy Hall
 Jason Hamburger
 Ashlee Hammonds
 Zoe Harris
 Pat & Jay Heefner
 Dick & Joann Hersh
 Siegfried Herzog
 Paul Hess/Paul's Market
 Sherry Hesse
 Tracy Holliday
 Vickie Howe
 Carla Hurley
 David & Diane Hykes
 Ruby Hykes
 Bonnie Iseminger
 Sarah Johnson
 Joan Jones
 Freddie & Jennifer Joye
 Jasmine King
 Martha Baylor Kirby
 George Kirk
 Steph Kober
 JoAnn & Allie Kohler
 Denny & Katie Koons
 Chris Kostka
 Larry Lederer & Family
 Jason Levick
 Emma Lewis & Justin Baker
 Rachel Little
 Nancy Mace
 Mike Mahr
 John, Jean & Steve Martin/
 Ivy Hill Farm
 Wayne Martz
 Barbara & Don McBride
 Alice McCleaf
 Mary Kay McCleary
 Bev McFarland
 Tom McFarland
 Kyle McFerren
 Marty McNamara
 Thomas Mentzer
 Shelby Miller
 Red & Wendy Mohn
 Clay Moyer
 Amber Naugle
 Sherry Newcomer
 Ashley Nicely

(continued on page 27)

Organization & Volunteers

continued from pg. 26

Pumpkin Festival continued

Alice Noll
Bob North
Derek Null
Jim Oliver
Stephanie Palme
Tim Parry
Jon Pearson
Bill Pflager
Meg Piavis
Shirley Piper
Amanda Poole
Sarah Poole
Bernadette Raimondi
Fawn & Seth Reid
Pam & Bruce Rowland
Ivy Schoonover
Dave & Tawnya Secor
Marjorie Seilhamer
Bill Shank
Helen Shelley
Pat Shew
Kim Shockey
Brian Shook
Lee Showalter/
Five Forks Fruit
Kearie Sites

Beth & Ian Skroban
BJ Slemmer
Darleen & Harold Smith
Diane Stadler
Eunice Statler
Karen Strimple
Louanna & Carroll Sturm
Colin Swain
Doug Tengler
Destiny Thomas
Katelyn Thomas
Linda Ulrich
Anna Vitale
Sue VonRembow
Waynesboro Historical
Society
Waynesboro Lions Club
Greg White
Kathy White
Carolyn Wolff
Tom & Linda Wynkoop
Linda & Bob Zimmerman

*Thanks...
for helping
us grow.*



Joining Forces *continued from pg. 25*

The newest organizational exchange member is Little Antietam Creek, Inc. (LACI), a local non-profit organization with a mission...“to inspire and educate people of all ages in history and the process of historical and archaeological research.” LACI staff will offer a student program in archaeology as part of Renfrew Institute’s Summer Institute 2011.

These are but a few examples of the institute’s cooperative program projects. The list of supportive partners that help fund our programs is another aspect of the synergistic relationships that keep Renfrew Institute thriving. You will read about this issue’s featured sponsors in these pages. And you will see long lists of the many, many supporters—including you, our members who help us each year.

Renfrew Institute strives to fulfill its mission by reaching out, pulling together and building resource networks. Our motto says, “Building connections to the past and to the natural world.” Those connections for the learner are realized through high quality delivery of programs by our professional teaching staff, through the dedication of our board of directors and endowment trustees, and also through the rich connections we build with our local and regional collaborative program partners.

Melodie Anderson-Smith

Thanks to Outgoing Board Members

Though we miss them at board meetings now, we gratefully celebrate the contributions made by our 2009–10 departing board members who finished terms on June 30, 2010. Each received the institute’s traditional wooden cookie award with a special designation for her/his respective accomplishments.

Marc Desrosiers, also known as “Web Wizard: Technology Hwy Guru—Guide of the Ride,” served six years on the institute board (2004–2010). Marc’s expertise with computer technology and website development proved to be his most notable contribution to the institute, though certainly not his only one. As chair of the technology committee, Marc guided the process of designing the institute’s website. His scrutiny and suggestions helped ensure that the site, developed by our consultant, Bare Hands Design, was launched as a high quality, well functioning site with a professional appearance. Marc continues to provide assistance as needed. He also served on the finance and facilities committees and helped with events and fundraisers. In addition to his full time job as a chemist with the National Institute of Health, Marc has established a successful business producing and selling specialized waxes used worldwide by skiers, some at the Olympic level. Thank you Marc, for giving generous time and support to Renfrew Institute.

Richard (Dick) Hersh served the institute board from 2004 to 2010 and was treasurer for five of those six years. In his capable hands, the financial well being of the organization was assured. He received a wooden cookie with the moniker “Keeper of the Coffers.” Dick was chair of the finance committee and served on the development and facilities committees. He was always willing to help with events and especially enjoyed assisting his wife, Joann with the live and silent auctions for the annual Bay Supper fundraiser. Hopefully we can keep him in that position. An avid golfer and traveler, Dick will enjoy extra time to pursue these interests in addition to special family time with the grandchildren. Thanks Dick, for your years of dedication and commitment to our organization.

Cheryl (Sherri) Plummer served the institute for three years (2007–2010) and earned her wooden cookie award with the moniker “Muse of ’Thuse.” Sherri brought much cheerful enthusiasm to the board and was a worker who helped with several events including her favorite, the Bay Supper fundraiser held annually in June. Sherri served as chair of the Nominating and Governance Committee and also led the Youth Education Committee. As a former educator, she has a keen interest in the educational mission of Renfrew Institute. We wish her all the best as she pursues new opportunities in professional consulting, while saving precious time to spend with her grandchildren. We thank Sherri for the time she gave to help Renfrew Institute thrive.

Melodie Anderson-Smith

Our Wish List...

- ❖ Card tables—used, in good condition (1 or 2 more)
- ❖ Book: *Eastern Birds' Nests* by Hal H. Harrison, a Peterson Field Guide
- ❖ Book: *Soil! Get the Inside Scoop* by David L. Lindba; Soil Science Society of America; available online at www.societystore.org or by phone 1-608-268-4960 (item #: B60913) OR donate \$23 to Renfrew Institute for purchase of the book (includes \$3 S&H) and we will order it!
- ❖ More one gallon ice cream buckets with lids
- ❖ Reproduction toys for children's program: small wooden buckets, children's rustic brooms (can be made by donor, institute will provide instructions), Jacob's Ladder, ball/cup, other "old-fashioned" toys.
- ❖ Funding for replacement items in period clothing for instructors—any amount appreciated!
- ❖ Additional underwriting sponsors for this newsletter, educational programs or community events

Wish List "Thank You's"

- ❖ **Carol Ann Henicle:** Book—*Where Does The Butterfly Go When It Rains?* by May Garelick
- ❖ **Millie & Blaine Holliday & Angela Grove-Weagly:** Cash donations to help defray the cost of replacement items of period clothing for instructors.
- ❖ **Ginny Ingels:** Ice cream buckets
- ❖ **Frank Larson & Family:** Card table & 4 chairs.
- ❖ **Lucinda D. Potter, CPA:** Donation to purchase "cans/bottles only" recycling bin for use during public events.
- ❖ **Kathy Seiler:** Books—*A Guide to Common Freshwater Invertebrates of North America* by J. Reese Voshell, Jr. and *Aquatic Entomology* by W. Patrick McCafferty.
- ❖ **Sarah Zimmerman:** Ice cream buckets

Beyond the Wish List...Thank You, Too!

- ❖ **Jackie Bayer:** Cash donation from proceeds she received through sale of her jewelry and photography during 2010 Earth Day Art Festival.
- ❖ **John Beck:** 250 packets of seeds for "New Baby Welcome" packets.
- ❖ **Maxine Beck:** 250 packets of seeds for "New Baby Welcome" packets.
- ❖ **Joe Brubaker:** Dried cob corn for school program *From Field to Table*.
- ❖ **Doris Goldman:** Daffodil bulbs to be planted by *EarthSeeker* kindergarten students.
- ❖ **Steve Graham:** The following equipment for use in farmstead programs—beeskep, rye straw basket, iron kettle lifter, iron fire poker, and Books—*Foxfire's Book of Wood Stove Cookery; Trees of North America; Trees; Trees & Shrubs* (Peterson); *Flowers, Ferns & Fungi; The Little Brook; Audubon Society Field Guide to Mushrooms*.
- ❖ **Wayne Martz:** 44-cup coffee maker.
- ❖ **Bob North:** Book—*The Audubon Society Book of Wild Birds*.
- ❖ **Phil & Jerry's Meats & More:** Sweet Lebanon Bologna for student "tastes" (for *From Field to Table*)
- ❖ **Kathy Seiler:** Mesh tote bags.
- ❖ **Dennis & Kim Shockey:** Additional cash donation for general operations
- ❖ **Alice White:** Baby food jars for *Dairy Culture* program.

Streamside

Renfrew Institute for Cultural and Environmental Studies

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www.renfrewinstitute.org

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