

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.”



It’s Fun Being 20!

Renfrew Institute is now officially 20 years old. I remember those days, in my human life, the 20’s. Ahhh, what a lot of energy and enthusiasm pours out of a 20-year-old! But I think the most notable quality of that time for me can be summed up in one word—dreams. I had so many, and still do.

Perhaps as a 20-year-old, Renfrew Institute, now more than ever, should hold fast to its dreams—those visions, plans, ideals that brought our organization to this point in its history—those dreams that will ensure its vitality into the future.

Dream #1 – That every child in the Waynesboro Area School District (WASD) will visit Renfrew at least once in his/her elementary years in order to develop a personal relationship with its history and natural beauty. This was a start-up dream, and began forming in the mid-1980s. It was soon clear that one visit wasn’t enough.

WASD and St. Andrew School children now come to Renfrew annually at every elementary grade level. As a result they are indeed developing and nurturing close relationships with their local historical and natural “treasure”—the place, its landscape, its natural wonders, its buildings, its people and its stories. Students are also understanding their own roles in those stories, how they are becoming part of Renfrew’s history each time they visit. They are learning how they can help steward such places at home now, and wherever they may live or travel in the future.

Dream #2 – That adults and teens who have passed through our programs will continue to delve into nature, history, environmental and historical conservation issues, and even “off the wall” topics through life-long learning opportunities with Renfrew Institute. Again, we are doing well, but need to keep it coming.

Help Renfrew Institute dream for the future...

You can help us identify new pathways into our next 20 years. Is there a program topic that you would like us to offer through lecture, hands-on workshop or off-site field trip? Do you have a dream for a special project that Renfrew Institute might facilitate? What would you like to see Renfrew Institute doing in the years ahead?

Please share your ideas with us by calling us at 717-762-0373 or emailing at renfrewinst@innernet.net.

You may also relay your thoughts to one of our board members. Just be sure to identify yourself with contact info, so we can get back to you.

We welcome your input!

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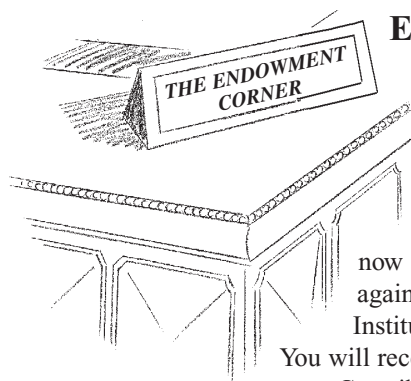
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Endowment Corner—Building a Foundation for the Future!

with George P. Buckey, Chair, Endowment Trustees

Our sincere *THANK YOU* to the following members and friends who made contributions to Renfrew Institute's endowment fund in response to our winter 2009–10 supplemental giving campaign. Contributions are still coming in, so additional names will appear in the next newsletter.

Donations totaling \$6,575.55 have been added to the fund this year, which now stands at \$128,752.67. We are very pleased that the fund value is growing well again following the difficult economic climate of the past year. Please keep Renfrew Institute in mind for next year and, if possible, put a few dollars aside for this fund again. You will receive the request in December 2010.

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 information about including Renfrew Institute in your estate planning, please call our office 717-762-0373 or email us at renfrewinst@innernet.net. *The following is a list of endowment donors for 2009-10 (to date):*

Melodie Anderson-Smith & James Smith	Ann Haugh	Owls Club of Waynesboro, Inc.
Joann Baker	Jay & Pat Heefner	Tim Parry
Grace Baylor	Kathy Helfrick	Betsy Payette
Mike & Denise Beck	Blaine & Mildred Holliday	Debbie & Bill Pflager
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Ronald H. & Mary Jane Collins	Barbara Kercheval	Kathleen & Darwin Seiler
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Barbara H. Gaydick	Marilyn K. McCarney	WACCO Properties, Inc.
Steve Graham	Bev McFarland	Peg & Dick Walsh
	Mr. & Mrs. Edward A. Miller	Angela Grove Weagly



Messages of Support

The following messages came from those endowment fund donors who answered a question on the back of their donor card (for the purpose of sharing with our readers):

Why do we contribute to the Endowment Fund?

"I have often said, the second best happening since the gift of Renfrew Museum & Park, was the beginning of the Renfrew Institute twenty years ago. Long live both! Kudos to the dedicated staff and volunteers of both institutions. May they continue forever." ~ *Ed & Ann Miller*

"Children, Children, Children" ~ *Blaine Holliday*

"Supporting Environmental Education as a linchpin to all learning, for a lifetime."

~ *Kathy & Darwin Seiler*

"I want to help ensure that future generations will continue to learn about our heritage and to conserve our environment. I only wish that we had a Renfrew Institute when I was growing up."

~ *Eunice Statler*



It's Fun Being 20!

(continued from pg. 1)

Dream #3 – That the whole community will come together at Renfrew Park to bask in its glow, celebrate its existence and care for its well-being. I believe Renfrew Institute continues to play a major role in making that happen.

Dream #4 – That the outreach of Renfrew Institute will touch communities beyond Waynesboro, bringing others into our learning experience while, at the same time, gaining new insights and ideas from those beyond our borders. This is an important dream and its ideals must be balanced with a need to sustain what's "closer-in." This dream also includes reaching out to those underserved groups and individuals who will add color and diversity to our gatherings.

Dream #5 – That Renfrew Institute will inspire, excite, encourage, nudge its children and their families, its members and visitors, to keep dreaming...about a green world where humans live in harmony with their natural surroundings...about a rich culture where humans learn and grow by conserving their stories and history...about living in a community where quality of life is supported by institutions that embrace their public missions with dedication, determination, and yes...dreams.

Downstream

with Doris Armstrong Goldman, R.I. Faculty

EDITOR'S NOTE: *Downstream* is a regular column in this newsletter. It features articles about environmental awareness and action that can help us be better stewards of our natural heritage.

Where's the Buzz? Native Bees and the Pollination Crisis

We depend on bees to pollinate plants and food crops. Seventy percent of higher plants are pollinated by bees, as are 75% of our food plants. Most of these bees are native bees—just 15% of the world's top 100 crops are pollinated by domesticated honeybees.

Honeybees are not native to North America, and before European settlers brought them here in the 1500s, our 28,000 bee-pollinated native plants were being pollinated successfully by 4,000 species of native bees, 300 of them native to Pennsylvania.

Different Kinds of Bees

Bees are broadly divided into those with short tongues like the sweat bees, and long-tongued bees, like



Honeybee pollinating a peach flower.
Photo credit: Wikimedia.

bumblebees and honeybees.

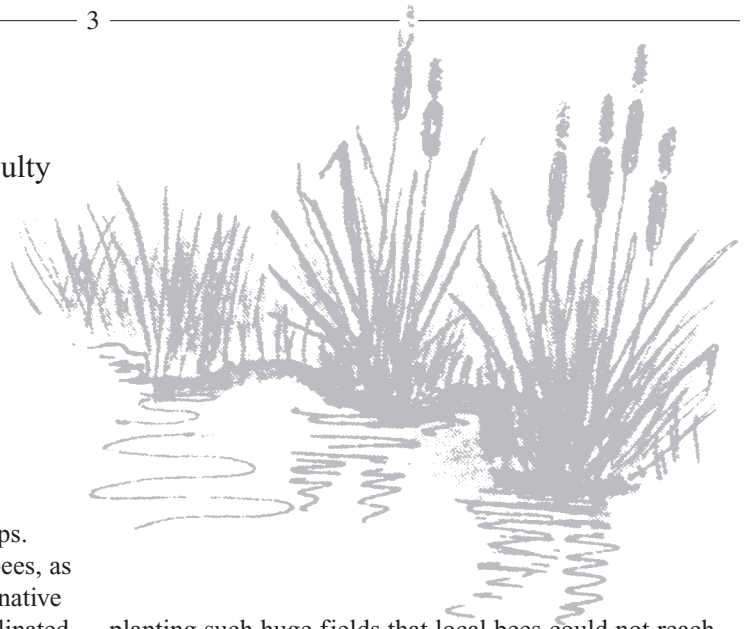
Short-tongued bees can only reach the nectar in very shallow flowers like daisies, but long-tongued bees can feed on nectar from deeper flowers, like peas.

In the U.S., our short-tongued bees include many Halictids (Sweat Bees or Green Metallic Bees) and Andrenids (Small Miner or Small Digger Bees), plus a few in the Colletid family (Plasterer Bees and Yellow-Faced or Masked Bees) and several Mellitids or Oil-Collecting Bees, which have short tongues but are the ancestors of all long-tongued bees.

Our long-tongued bees are numerous: Anthophorines (Large Digger or Large Miner Bees), and Megachilids (Carder Bees and Leaf-cutting Bees), and the Bumblebees and Carpenter Bees, which are few but important.

The Decline of Bee Populations

America's fruit and vegetable crops were once easily pollinated by native bees and local wild and domesticated honeybees. But starting in the 1950s, landowners began clearing away hedgerows where wild bees lived, killing bees with toxic chemicals, and—especially out west—



planting such huge fields that local bees could not reach crops for good pollination.

To help with pollination of these huge areas, beekeepers began renting out and transporting thousands of honeybee hives to orchard owners and truck farmers. Farmers also began importing greenhouse-grown non-native species of bumblebees, leaf-cutters, and other bees from Europe and Japan.

Then Colony Collapse Disease, a sort of honeybee AIDS, hit. At the same time, native wild bees began dying from Old World bee diseases and parasites spread by pest-infested imported bees.

Danger of Extinction

Bee biologist Steven Buchman has found that because of our habits, many states have lost 70–90% of their wild bees. This wild bee population crash is due to toxic pesticides, monoculture, and removal of hedgerows and fallow open areas that provide nesting areas and flowers for food. We have destroyed so much bee habitat that we might not be able to count on bees for pollination of native plants and food crops unless we make some changes.

Many native bees are specialists that suck nectar from various kinds of flowers but only gather pollen from one (monolectic bees) or a few species of flowers (oligolectic bees). If these bees go extinct from habitat destruction or poisoning, or if global climate change causes their food plants to bloom out of synchrony with their short flight seasons, then their native food plants may also go extinct.

How Can You Help the Native Bees?

As an individual, there are several ways you can help native bees survive. Three things you can do are outlined below:

1—DON'T USE PESTICIDES!

We now apply two times more pesticides than when Rachael Carson published *Silent Spring* in 1962! [*Silent Spring*, which documented the detrimental effects of pesticides on the environment—particularly on birds and other living creatures—is widely credited with helping

(continued on page 16)

How Does Our Garden Grow?

With iron nails and divider rails, and pickets all in a row.



*Groundbreaking Ceremony
August 24, 2009*

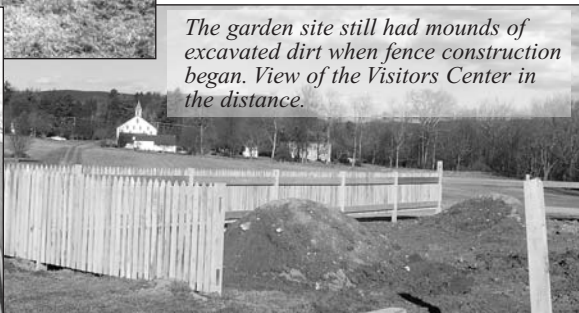
From its groundbreaking under sunny August skies, to weathering two huge snow storms this winter, the four-square garden relocation is marching right along. The fence is nearly complete, and the wooden gridwork delineating the structure is in place.

The work, which includes transplanting plants from the old garden, will continue throughout the spring and early summer.

Photos by Tracy Holliday and Andrea Struble.

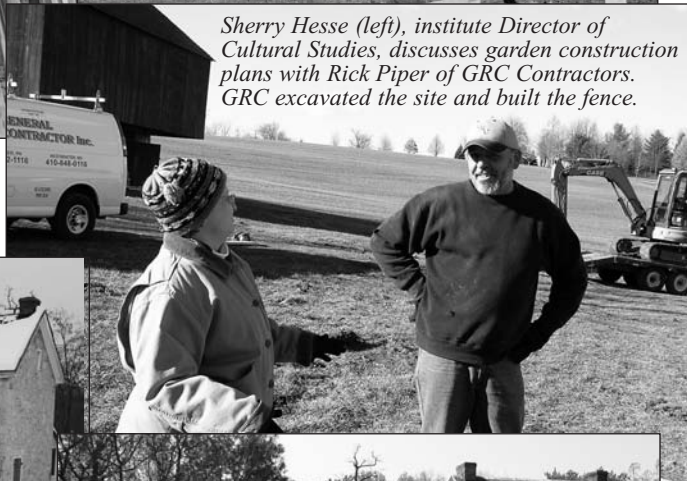


Rick Piper of GRC Contractors helped build the fence, one picket at a time.



The garden site still had mounds of excavated dirt when fence construction began. View of the Visitors Center in the distance.

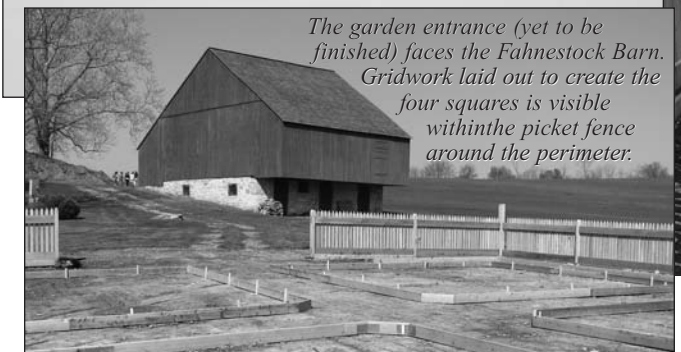
(Below) This winter's record-breaking snows halted garden construction, but not for long. Crews were back on the job as soon as the frozen ground thawed. Fahnestock house in the background.



Sherry Hesse (left), institute Director of Cultural Studies, discusses garden construction plans with Rick Piper of GRC Contractors. GRC excavated the site and built the fence.



The garden entrance (yet to be finished) faces the Fahnestock Barn. Gridwork laid out to create the four squares is visible within the picket fence around the perimeter.



(Above) In addition to the four squares created by gridwork, the garden has wide paths and border beds around the outside. Plantings for all the beds are guided by centuries-old tradition.

Cultural Currents

with Doris Armstrong Goldman

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.

The Four-Square Garden: A Tradition of Abundance

At one time, Pennsylvania German housewives kept kitchen gardens laid out in an ancient four-square style. The neatness and abundance of a “Fraw’s” [*Frau’s*] garden showed her neighbors how well she cared for her family. The Royer farmstead—now Renfrew Museum and Park—would have had such a garden during the 19th century.

Four-square gardens date back to the Middle Ages. They were based on the enclosed Muslim “paradise gardens” that Christian travelers saw in Spain and the Holy Land. Dutch, English and French settlers planted these geometrical gardens in the American colonies in the 1600s–1700s, and Pennsylvania Germans almost universally preferred them well into the mid-1800s.

The tradition was passed down through generations, and some Waynesboro residents still had four-square gardens in the 1930s. Samuel Royer [son of Daniel Royer, who settled the Royer farmstead] was an ironmaster in Blair County, Pa., and his descendents maintained a four-square garden until the 1960s. This garden, at the Royer Mansion on Rt. 2 near Williamsburg, Pa., has been restored.

The Royer Garden at Renfrew—Typical of the Era

Since the farmstead buildings at Renfrew Park are from the Federal period, we know that the reproduction four-square garden created on the Renfrew [Royer] property is similar to the garden Catherine Royer would



In the reproduction four-square garden, students learn a variety of gardening tasks during the program, “Four Squares: The Pennsylvania German Garden.”
Photo by Tracy Holliday.

have cultivated around 1800, including the sturdy picket fence, interior arrangement, and authentic plant varieties.

The original garden site, probably behind the Royer house [Renfrew Museum], is now a lawn used for community events, so the current garden is near the Fahnestock house, where



the family of Daniel and Catherine Royer’s daughter Nancy lived.

A typical four-square garden was 66 feet (or one perch, a modern “chain”) on each side, so the inside was one-tenth of an acre, also called a perch. At the center of the garden was a small bed planted with an evergreen yucca, boxwood or juniper, some tall hollyhocks, or a potted plant like a geranium. Four square-shaped beds filled with rows of vegetables formed a large square around the center bed.

Next to the garden fence was a border of flowers and medicinal plants, with cooking herbs close to the gate. Beds were raised for drainage and warmth, and edged with wooden planks—or with root crops like beets—to hold the mounded soil in place. Low boxwood hedges sometimes edged beds in the gardens of professionals like the local physician, but this was more common near Philadelphia.

Practical and Symbolic Design

Aside from the practical aspects of the four-square design, the gardens were meant to imitate and honor the order and purpose given to all things by the Creator; many features of the design were symbolic. The picket fence kept out wandering animals—and the devil’s chaos. The center bed represented heaven at the center of the pre-Copernican universe, with an evergreen bush for eternal life in God. The four vegetable beds were the sun and planets circling heaven. The herb beds symbolized stars revolving around heaven. The paths between the four vegetable beds were called the Cross Path. The garden and cross paths also represented the Garden of Eden and the four rivers of Eden.

Around 1800, four-square gardens included more than 200 plants, including Bronze Age and Biblical varieties like lentils and garlic, plus the latest introductions—August lilies (hostas) from the Orient, fuchsias from Cape Horn, red hot poker plants from South Africa, Lenape Blue Shackamaxon beans, and tomatoes, introduced in the 1790s by Afro-Haitian restaurateurs in Philadelphia.

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Four-Square Garden

(continued from pg. 5)

The Royers grew at least 70 of these plants. Seeds of two dozen, including tomatoes, were found during excavation of the circa-1810 privy behind the museum house, and 50 Old World species, like corn salad (*mache*), have naturalized in Renfrew Park. Nearly all were thought to have divinely-determined uses, and one in ten had a religious name, like *Marienwurz* (Mary's Root or valerian).

Tending the Garden

Religion also played a role in the timing of garden tasks, and people consulted the church calendar for traditional planting dates. They also noted phases and position of the moon in the zodiac listed in the *Hagerstown Almanack* (first printed in German in 1797; an English edition made its debut in 1822).

Seasonal garden chores often involved the whole family. In late winter, the housewife and children spread manure that the husband and older sons threw over the fence, then reset boards to prevent frost-heave around the raised beds. On Ash Wednesday, the family spread fire-place ashes on the garden and greased the tools with fat left from frying *fastnachts* (a doughnut-like treat traditionally served on Shrove Tuesday, the day before Lent begins).

Potatoes or peas might be planted on March 17—St. Gertrude's rather than St. Patrick's Day. If the ground was still frozen, the first vegetables were planted on March 31, St. Detlaus' Day. When the soil was too wet, boards were laid to reach the interior of the vegetable beds.

On Ascension Thursday, children mixed a bucket of water with lime and a bit of flour to white-wash the garden fence. To kill insects, children poured cooled wash water or herb teas over plants, put ducks in the garden, or plucked bugs off leaves. They put lime into small loosely-woven burlap bags to shake over the potatoes and cabbages, and put walls of burlap around eggplants and other targets of hopping flea beetles.

Hoing was a chore, since the rows were kept quite clean, but summer watering with a dipper gourd or a pottery watering bell was often fun. Daniel Royer owned a tannery, so the paths in his family's garden would have been mulched with spent tanbark, an option available only to the wealthy.

Cultivating Plants for Abundance

Great care was taken to ensure the garden plants would thrive. Cabbages were started in a *grautkutch*, a box raised off the ground to avoid pests. Sometimes the *grautkutch* was at table height, but often it was over ten feet in the air, leaning against a building and reached by a ladder.

Inside the house, sweet potato vines sprouted on the window sill, while watermelons and gourds, which need a very long growing season but have roots sensitive to transplanting, were started in little upside-down squares of dead sod—the early American equivalent of peat pots.

Most gardens had glass-lidded “frames”—boxes with a layer of fermenting manure under the soil. Seeds were planted in hot frames when the temperature was right. Melons often were left sheltered in cold frames all summer. Modern gardeners can still buy miniature Early Frame and Dwarf Dutch Peas, short-rooted Early Frame Radishes, and short-vined Early Frame Cucumbers, bred for 1700s frames.

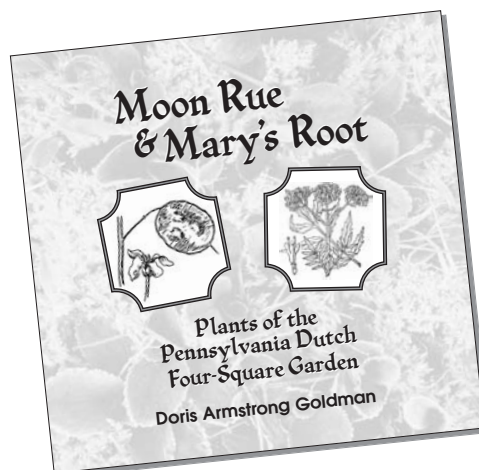
Some families also owned glass bell jars to protect tender plants from frost, and pottery jars were put over endive and asparagus to force them earlier in spring.

Summer vegetables like cucumbers were pulled between St. Peter's Chain's on August 1 and St. Bartholomew's Day, August 24, to sow fall radishes, lettuce and turnips. Salad greens in cold frames survived beyond Christmas. Produce was preserved, pickled or dried, while melons and squash were stored in warmth. Roots and cabbages were put into a cellar, left in the garden under thick layers of straw, or packed into barrels sunk in the garden.

Centuries before the abundance of modern grocery stores with produce shipped from across the world, Pennsylvania German families like the Royers ate fresh produce much of the year, in a progression of home-grown foods that mirrored the change of seasons.

References:

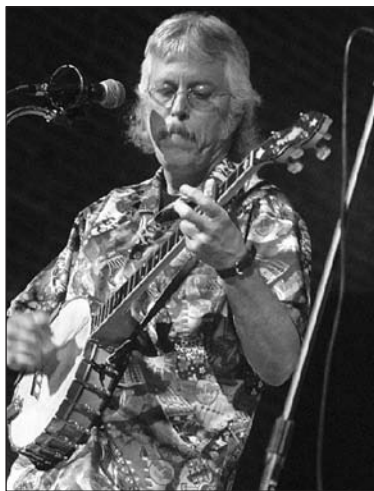
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Moon Rue and Mary's Root: Plants of the Pennsylvania Dutch Four Square Garden by Doris Armstrong Goldman is available on CD for purchase at \$20 plus tax. Please call or email the Renfrew Institute office to order a copy.

[Note: Moon Rue... is currently under revision, there may be a short delay in availability.]

Youth Fest = Music and Fun for Kids



Jay Smar with his banjo, and a whole collection of other instruments, brings song, stories and dance to this year's Youth Fest on May 30.

On Sunday May 30, Renfrew Institute will host its 21st Annual Youth Festival from 1:00–5:00 p.m.

The day's activities include interactive workshops for children of all ages, a musical performance by the Waynesboro Children's Theatre Troupe, and live folk music and a traditional clogging performance by Jay Smar.

This fun family tradition is again underwritten by long time Youth Fest sponsor, Susquehanna Bank.

We're excited about Jay's return to Youth Festival, appearing once again on the museum house patio stage for this fresh-air version of live fiddle music. Equipped with two guitars, baritone voice, claw-hammer banjo, and fiddle, Jay serves his audience an "acoustic buffet" of traditional American and original folk, "ole-time mountain music" and bluegrass tunes, as well as coal mining songs of Northeast Pennsylvania preceded by their origin.

There is a special emphasis on local Pennsylvania history in Jay's programs. A native of the Jim Thorpe area, his stories and songs explore the impact of coal mining on the Keystone State, the world's first "gravity" railroad and folklore related to other areas.

The crowd can anticipate an interactive program with audience singing, children performing on mandolin

and fiddle and instruction in *flat footin'*—a simple clog-dancing step. The show will be peppered with coal mining stories such as the invention of the first roller-coaster from a coal train called the "Switchback" in Jim Thorpe, Pa.

Jay will also conduct a limited-enrollment workshop following his performance, inviting participants to pen lyrics to a familiar tune, illustrating the craft of songwriting. He artfully blends history, music and poetry in his dynamic workshops.

In the last six years, Jay has toured Scotland twice, received recognition from the Pennsylvania House of Representatives, performed at the Philadelphia Folk Festival twice, recorded music for the Welsh BBC documentary, *The Welsh in America*, and has been selected by the Pennsylvania Performing Arts on Tour to be on their professional touring roster.

In another hands-on session during the event—yep, hands-on with *live bugs!*—join "Bug Man" Ryan Bridge as he explains the life cycle, characteristics and defenses of various insects. This incredibly entertaining entomologist will bring his extensive collection of butterflies, insects, arachnids and hissing cockroaches. Even if you don't like bugs, you're sure to enjoy this program.

St. Andrew Catholic Church's Youth Group will return with goodies at their food stand to feed the crowd. Plan to join us for the entire afternoon of festivities.

Volunteer committee members Kim Sheffer, Kathy Bourdeau and Traci Walizer are working behind the scenes to insure a fun-filled day.

Additional workshop presenters will offer activities ranging from face painting, creation of a simple garden sculpture, to kayaks in the creek! Watch local newspapers and our road sign for details, and opportunities to pre-register for activities.

Tracy Holliday

Recycle Reuse Yard Sale Fundraiser Clears a Cool Profit!

Although chilly temperatures greeted visitors to the institute's 5th Annual Recycle/Reuse Yard Sale on April 17, the warm spirit of the day carried us through in good cheer. Twenty-five vendors displayed their "treasures" and reported good sales. Food was plentiful and varied with unusual items such as Ploughman's lunches (bread, apple, and cheese in a cloth napkin), homemade pita bread and hummus and of course, the ever-popular hot dog and yummy baked goods.

Thanks to generous sponsors, willing vendors, and a hungry crowd that supported our food stand, we hope to clear a bit over \$2,000 for the institute in support of our nonprofit activities. The **First National Bank of Mercersburg's** role as lead sponsor provided an extra cushion this year. In addition, **Gold's Gym** played a larger role with an increased level of support over their purchase of compostable cups last year. Our loyal "charter sponsors," including **Advance Auto Parts**, **Dru's Books N'Things** and **Total Vac**, provided a base of underwriting that has

sustained the event's bottom line since its inception.

Mother Martin's Coupons made an in-kind contribution with their ad, which helped attract vendors and buyers alike. Local businesses and individuals were very generous, donating apples (Rinehart Orchards), rolls (Martin's Food Stores and Martin's Famous Pastry Shoppe), hot dogs (Johnnie's Restaurant & Hotel Supplies), doughnuts (Krumpe's), pizza (Frank's Pizza), organic fair trade coffee (Port City Java) and hummus (Food Lion). Individuals baked pita bread and assorted goodies, and donated sodas, bread, ice and cocoa. Board and staff members donated baked goodies, and good used items for the sale table. Most importantly, many people gave of their time on Saturday to work at the food stand, the sale table, or help with parking or "yard guard" duties. The addition of a large corps of volunteers from the First National Bank of Mercersburg was an enthusiastic and welcome boost!

Thank you all—we couldn't do it without you!

Renfrew Institute is Pleased to Announce New Underwriting Support

Buchanan Automotive

If anyone at **Buchanan Auto Park** or **Buchanan Automotive** tells you to go fly a kite, don't be offended. The local purveyor of new and pre-owned cars is a long time sponsor of Renfrew Institute's annual kite Fun Fly. Since 2001, their sponsorship has underwritten the event, which is free to the public. It's a day when folks in the community welcome spring by joining kite man, Bill Flohr in letting the string out, as if to unwind winter's bindings, freeing kites to lift our spirits on rising currents.

Upon reading the institute's last issue of *Streamside*, **Curtis and Julie Mummert** of **Buchanan Automotive** called me to inquire whether funding support was still being sought for our new kindergarten farmstead offering, *Once Upon a Farm*.

They had seen it on our "wish list" and wanted to offer an additional gift in support of this new program designed for some of our youngest visitors. I gratefully embraced their gesture of support and Buchanan Automotive became the program's first official underwriter.

During *Once Upon a Farm*, kindergarten students learn about life on a "long ago" farm in a way that matches their youthful understanding of history. Since for some 6-year-olds, history might mean "what I had for dinner last night," the two-hour program introduces playful ways to help them think about what children their own age might have been doing on the Royer farmstead 200 years ago.

Students create a "mini-quilt," gluing colorful, pre-cut geometric fabric bits onto felt in a simple design, for immediate gratification suitable to young learners. A planting project explores the notion of growing things that can be eaten as they sow fast-growing pumpkin seeds to take home to a sunny windowsill or to transplant into the garden.

"Make believe" comes into play as students don attire representative of that worn by young Pennsylvania German farm children of the 1800s.

Finally, our young visitors learn how to have some "unplugged fun," skipping through a hopscotch scratched into the dirt with a stick. Shrieks of "Let's do it again!" follow each session, revealing how much fun can be had with nothing more than a stick and a rock.

Buchanan Automotive Inc. is the Chevrolet, Buick, Pontiac, GMC and Cadillac leader serving the tri-state area. Buchanan Auto Park offers a variety of automotive services at one convenient location, offering new and used Chrysler, Jeep, and Dodge automobiles.

We extend sincere thanks to the "Buchanan Team" for this new gift from an old friend.

RaceWax.com LLC

Snow has been our close companion over these past winter weeks, and while some were weary from wielding shovels, others were jubilant in opportunities for gleeful romps in a great white playground. None may feel that more joyfully than ski and snowboard enthusiasts.

During the winter Olympics in Vancouver—as we thrilled to the antics and suspense of dramatic athletic performances—many were 'shushing' down slopes around the globe with promises of equal thrills, thanks to the innovations of **RaceWax.com LLC**.

Since 1999, this family-owned and operated ski/snowboard wax and tools company has been committed to offering quality tools and racing waxes at great prices. RaceWax.com is primarily an Internet-sales company, but customers in our local area are welcome to arrange a visit to receive orders at their production facility in Waynesboro, Pa.

With a focus on quality and value, RaceWax.com waxes are custom made. The company's labor-intensive methods produce a superior product. High-quality ingredients and innovative speed additives were developed in consultation with colleagues in research with lubricant companies.

In 2005, RaceWax persona and company president, DrD attended a World Cup Tuning Class with the wax guru, Willi Wiltz. Professional consultations with high caliber industry pros, along with DrD's own scientific savvy, have helped launch the company to international status as they serve clients around the world.

DrD has another persona more familiar to the Renfrew Institute family. He is **Marc Desrosiers**, who serves on the institute board of directors! Marc made an overture to support the institute's *Fall Walk* program with a sponsorship after hearing it described by an institute faculty member during a board meeting.

This offering, for some of our youngest naturalists, helps students understand the ways in which seasonal changes during the fall months trigger plants and animals to prepare for winter. Area first grade students from throughout the region (more than 300 this past autumn) savor the *Fall Walk* experience as they take to the trail in search of "traveling seeds" and play "the chipmunk game."

When Marc and the RaceWax crew think of preparing for winter, visions of fast slopes and well tuned skis/boards dance in their minds. Now, thanks to the company's support of the institute's *Fall Walk*, they'll also be thinking of students who are building connections to the natural

gifts

New Sponsorships



Debbie Pflager: The Queen of Everything

Since the early 1990s, Debbie Pflager has done, well, almost everything at Renfrew Institute—she's been a visiting parent on field trips, an instructor, a board member and a volunteer. "We dubbed her 'Queen of Everything' for her wooden cookie moniker when she completed her board service in 2008," said Melodie Anderson-Smith, institute executive director.

A native of Chattanooga, Tenn., Debbie graduated from the University of Tennessee in Knoxville with a degree in medical technology, and worked in that field for six years. She came to Waynesboro 24 years ago when her husband, Bill, accepted a job with Landis Tool Co.

Debbie became acquainted with Renfrew Institute as a stay-at-home mom with young children. "I always went on field trips to Renfrew with my four kids," she said, "and was so impressed with institute programs and the instructors. Renfrew is just a special place."

In 1996, Debbie transitioned from visiting parent to institute faculty member. "I was at Youth Fest with my kids, and Melodie approached me about teaching for the institute," she said. "Coincidentally, I was looking for part-time work, and I said yes."

While not formally trained as a teacher, Debbie had for many years taught Sunday school, and was involved in Cub Scouts and Boy Scouts with her kids. Learning the ropes for her new job was fun. "I was thrilled to be part of the institute team," Debbie said. "I had been on so many field trips, I felt like I knew the programs," she added. "It's a wonderful curriculum... engaging programs that are easy to teach. Kids love them, I love them, so it was easy to learn."

"I especially love the Pennsylvania farmstead programs," Debbie said. She taught or assisted with several of them, including *From Grass to Milk: Dairy Culture of the Pennsylvania Germans*, *Growing Clothes: Flax Culture of the Pennsylvania Germans*, *Raising Clothes: Wool Culture of the Pennsylvania Germans*, and *Four Squares: The Pennsylvania German Garden*. She also taught the environmental program, *Earth Encounters*.

Paying homage to her roots, Debbie's "nature name" was "Ooltewah"—a Cherokee word which means owl's nest, and is the name of the Tennessee town where her

parents lived.

In 1998, Debbie began looking for full-time work and accepted a position with the Waynesboro Area School District as Technology Facilitator at Summitview Elementary School, a position she still holds.

However, her relationship with the institute didn't end there—in some ways, it had just begun. "When I didn't work there anymore, I wanted to stay involved. You can always do that by being a volunteer," Debbie said. And that's what she did.

As a volunteer, Debbie helped with Summer Stories, Youth Fest and Earth Day activities. Around the same time, she became co-chair of the Pumpkin Festival. "Tim Rahn asked me to co-chair the event," she said.



Debbie Pflager checked in volunteers during last spring's Earth Day Recycle/Reuse Yard Sale. Photo by Tracy Holliday.

"After the first year, George Buckey was co-chair with me for many years. George is the most delightful man to work with," she said. Debbie still co-chairs the event.

Debbie's enthusiasm for institute activities continued when she was elected to the board of directors in 2002. She served two three-year terms.

As a board member, she joined the membership, development and community events committees, and worked on fundraising activities, membership phonathons and special events such as Jazz Fest. In addition, Debbie helped with development of the institute's Strategic Plan during her tenure.

One of the institute's growing fundraisers, the Recycle/Reuse Yard Sale (now in its 5th year), was Debbie's idea. "Development committee members were brainstorming for fundraising ideas, and the yard sale idea came as a combination of other volunteer organizations I've been involved with," Debbie said. She continues to chair that event.

Amazingly, Debbie has also been active with many other area organizations. She is past president of the Summitview PTO, Friends of the Library and the Waynesboro College Club. She was an officer with the Waynesboro Area High School band auxiliary, and past senior warden for St. Mary's Episcopal Church, where she also taught Sunday school and served on the vestry.

Debbie lives in Waynesboro with her husband, Bill, and yellow Labrador Retriever, Max. Daughter Sara and her husband, Neil, live nearby, and are the parents of 15-month-old twins. "I love spending time with my new

Team Weavers

Institute faculty member Beth Skroban participated in the 31st Pennsylvania Farm Show “Sheep to Shawl” competition on Wednesday, January 13.

According to the judging criteria for the annual competition, “Sheep to Shawl means just that—a shawl created from the wool shorn from a sheep, spun into yarn and woven into the finished garment, all in two and a half hours!”

After the contest, the finished shawls are judged (with team performance tallied into the judging), then auctioned off to the highest bidders.

Five teams entered the competition, and Beth competed with the Franklin County team, *Friends*

thru Fiber. In front of an auditorium full of enthusiastic observers (seven institute staff members among them), one of Beth’s team members sheared the sheep, and others began immediately to card the wool then spin and weave it into a beautiful, elegant shawl.

The team officially won third place, but their shawl brought the highest auction bid price by far—\$1,300!

Along with other teaching duties at Renfrew Institute, Beth is an instructor for the textile programs *Raising Clothes: Wool Culture of the Pennsylvania Germans* and *Growing Clothes: Flax Culture of the Pennsylvania Germans*.

Congratulations, Beth!

Sherry Hesse



(Above) Institute staff members and friends traveled to the Pennsylvania Farm Show in Harrisburg to cheer on the ‘Friends thru Fiber’ team (team member Beth Skroban is a Renfrew Institute faculty member) in the Farm Show’s Sheep to Shawl contest. Left to right: Pam Rowland, Nora Slick, Melodie Anderson-Smith, Bev McFarland, Beth Skroban (in middle), Gerti Hudson, Sherry Hesse, Andi Struble and Tracy Holliday.



Institute staff member Beth Skroban, left, and in rocking chair above, was part of the ‘Friends thru Fiber’ team in the Sheep to Shawl contest at the Pennsylvania Farm Show in Harrisburg.

Beth has worked with textiles for years and this was her first year participating in the Farm Show’s annual contest.

Photos by Tracy Holliday.

GET R.I. NEWS *FAST!*

Sign Up for our Information E-Mail List



If you would like to be on our *Information E-Mail List* please let us know. We will pass along occasional information about upcoming institute events, workshops, field trips and projects.

Be assured that we will not publish or share your email address in any way, and mailings will not list the entire mailing group in the “To” line.

Your address will remain only within the email program on the institute’s office computer.

To sign up: E-mail our office at:

renfrewinst@innernet.net

Put “Please register for e-mail” written in the subject line. Call Melodie at 717-762-0373 with any questions.

New Underwriting Support

(continued from pg. 8)

world through Renfrew Institute's environmental education series.

We're deeply grateful to Marc for his service on the institute's board of directors, and for this new partnership with RaceWax.com.

Dennis L. Koons

Raymond James Financial Services, Inc.

Dennis L. Koons knows how to make hay while the sun shines—no really, he *does* make hay! This idiom carries us back to the days when agriculture was central to the economy, and people's lives were closely regulated by the seasons.

The hay-making season in summer is short, and the hay has to be cut, dried and baled very quickly before it can spoil. So traditionally, everybody in a farming community helps with hay making, and everybody dreads rain, which can spoil the harvest.

Denny was raised in the Franklin County dairying tradition and maintains a close relationship with the land that includes summer haying. This would seem in contrast to his "day job" in the financial industry, but many of the requirements are parallel. Farmers are necessarily educated risk takers. Financial service providers are likewise, albeit in differing areas of expertise. Denny's sophisticated understanding of market dynamics serve him in the same way as his ability to "read" the weather and moisture content of his hay.

Denny is skilled in recognizing opportunity and assessing conditions, then acting at the right time. As in the farming tradition, he's also part of a larger community coming together in his role as a member of Renfrew Institute's board of directors. Just as farmers work in union to ensure the success of the hay harvest, our board members come together to ensure the continued delivery of the institute's programs and activities. Sometimes that involves writing a check, which Denny graciously stepped forward to offer in support of *Streamside*.

His contribution arises from his professional platform as Investment Executive with **Raymond James Financial Services, Inc.** Founded in 1962 and a public company since 1983, Raymond James is a diversified financial services holding company with subsidiaries engaged primarily in investment and financial planning, in addition to investment banking and asset management.

The company's stock is traded on the New York Stock Exchange. Through its three broker/dealer subsidiaries, Raymond James Financial has more than 5,300 financial advisors serving approximately 1.9 million accounts in 2,300 locations throughout the United States, Canada and overseas. In addition, total client assets are currently \$233 billion, of which approximately \$31 billion are managed by the firm's asset management subsidiaries.

Raymond James has been recognized nationally for its community support and corporate philanthropy. The

company has been ranked as one of the best in the country in customer service, as a great place to work and as a national leader in support of the arts.

Although we at Renfrew Institute appreciate the importance of rainy days in the natural world, we are grateful for "metaphorical" shining days, the opportunities they present, and the wonderful community of like-minded individuals, including Denny, who help bring them to fruition.

Tru Cut Lawn and Landscape, LLC

As Renfrew Institute prepares for its third annual *Salamander Scramble Fundraiser 5K*, we're bolstered by a generous demonstration of support by an alumnus of institute school programs. **Curtis Koons** attended Mowrey Elementary School during the 1990s. Though the memories have faded with the years, he recalls experiences shared with classmates as they journeyed over the nature trails and into the woods as "a great time."

Curtis and his wife, (and business partner!) Jessica, are now parents of their own daughter. As they considered the benefits of institute programs for young members of our community, Curtis was prompted to step forward with support for the *Salamander Scramble Fundraiser* as a purpose-driven activity. Not only will funds be generated to help sustain institute youth and family programs, but "Scramblers" will also be called to the outdoors and actively engaged in physical activity. The resulting proceeds will subsidize student fees for the school program series that continues more than a decade after Curtis's own participation.

Curtis owns and operates **Tru Cut Lawn and Landscape, LLC**. Beginning his tenure in 2004 with one employee and a single truck, Curtis has grown the enterprise, now employing 18 and offering a broad range of lawn care and landscape services. It seems a perfect fit for a man who considers himself an outdoorsman.

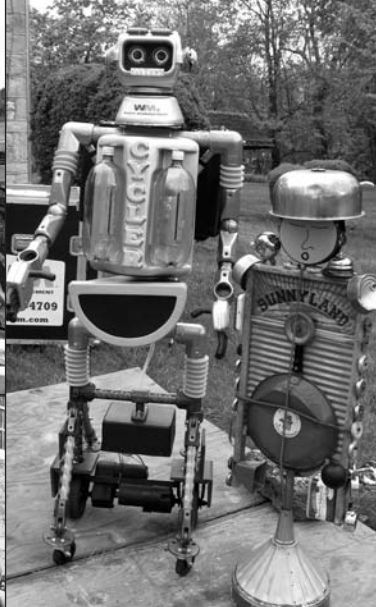
The institute's planning committee has established high sights for this year's *Salamander Scramble*. Begun in 2008 with a team of 15 participants, the group achieved their goal of raising \$3,000 to support general operations. Last year, team ranks swelled to 40 participants who raised nearly \$6,000 in support of institute activities. This year, the committee has set the ambitious goal of recruiting 100 team members and raising \$10,000.

Tru Cut's lead sponsorship contribution will underwrite the purchase of team t-shirts for the entire group. This will boost the bottom line of the fundraiser in a big way, offsetting expenses that would otherwise drain dollars raised by participants.

We are deeply grateful for this new partnership. Through Curtis's generosity and the *Salamander Scramble* planning committee's hard work, there should be an impressive display of Team Salamander participants hitting the streets on July 3, clad in matching team shirts, in pursuit of new goals as they raise funds in support of Renfrew Institute's mission...building connections to the past and to the natural world.

(continued on pg. 13)

Earth Celebration Day & Festival of Art



(Above) In what has become an honored tradition at Renfrew Institute's Earth Celebration Day, the Franklin County Commissioners presented an official proclamation declaring April as Earth Awareness Month. Left to right: David Keller, Chair; Franklin Co. Commissioners, Bob Ziobrowski, Commissioner; and Pat Shew, Renfrew Institute board member. Counterclockwise from upper left: Earth Day also featured arts displays such as basketry, environmental exhibits, Slim Harrison's Sunnyland Band, the ever-popular school clothesline exhibit, and (center) Waste Management's 'Cycler' robot meets Slim's 'washboard man,' also made from recycled materials. Photos by Nora Slick and Melodie Anderson-Smith.



13th Annual Chesapeake Bay Supper Fund Raiser

Don't Miss It!



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

Help us grow the bottom line on this fabulous fund raiser!

Send us \$125 to underwrite the cost of revising & printing the event programs. We will gratefully acknowledge your donation in print on the program.

Invitations will arrive in May. Tell your friends and come out & support Renfrew Institute with a great evening of food, fun & frolic!



FRIDAY, JUNE 25, 6:00 PM • WAYNESBORO COUNTRY CLUB

New Underwriting Support

(continued from pg. 11)

The First National Bank of Mercersburg

More than a century ago—on February 1, 1909—**The First National Bank of Mercersburg** opened for business with total assets of \$2,323.84. Since that day, the bank has broadened its reach across regional communities, adding services and branches throughout Franklin County.

On April 14, 2008, The First National Bank of Mercersburg opened its seventh full-service Community Office in Scotland near the Chambersburg Mall. The bank remains dedicated to providing exceptional customer service with hometown values.

In the spirit of hometown values, The First National Bank of Mercersburg has recently adopted the role of lead sponsor for Renfrew Institute's fifth annual *Recycle/Reuse Yard Sale Fundraiser*. The bank's gift helped underwrite the costs of administering the event, permitting proceeds to directly support the institute's educational series and community programming.

Michele Ford, Branch Administration Officer, first approached me about opportunities for bank employees to serve as volunteers. It was this pursuit that led the bank to choose involvement with our spring event.

The *Recycle/Reuse Yard Sale Fundraiser*, held in conjunction with *Earth Celebration Day and Festival of Art*, happens under the sheer power of a large volunteer corps. Our helpers staff the day with assignments that range from parking cars and guiding vendors to their rented spaces, to carting yard sale merchandise and selling goodies at the institute's food stand. It would be impossible to host the event without this spirited group of contributors.

This level of involvement meets our organization where the needs are—not only “writing the check,” but also committing additional resources by filling volunteer roles. This new partnership serves to boost the bottom line of our fundraiser, helps share the labors of the day, and introduces the bank's branch employees to the community they serve.

Hometown values help forge partnerships like this that bind members of our regional community together as we educate our children, attend to personal and business finances and engage in spring to “recycle treasures” to benefit community quality of life.

We enjoyed a brisk and beautiful day in the park as welcomed spring on April 17, with gratitude for The First National Bank of Mercersburg's commitment to our work and mission. [See additional Yard Sale news on page 7.]

Steve Graham

Renfrew Institute is fortunate to operate under the guidance of a talented and generous group that comprises its board of directors. Members are big-hearted in offering sound advice, many hours spent in volunteer service, and very often, “cutting the check” when special needs arise.

As further evidence of this beneficence, we recently received program sponsorship for the environmental education program, *Discovering Wetlands*, from board member **Steve Graham**.

Many will recognize Steve's name as the institute's benefactor who annually donates thousands of tasty steamed clams for our *Chesapeake Bay Supper Fundraiser*. Steve has supplied the clams for several years, traveling to Chincoteague to retrieve them—freshly harvested from the sea—and returning to the Waynesboro Country Club where he delivers them just in time for supper.

Steve was prompted to extend his latest gesture of generosity during a board meeting when he heard a report about retractions in school program funding support. In his usual understated manner, he slipped me a note across the table, indicating beside a funding need notation, “I'll do this.” His offer came along with a request that his gift be made in honor of his late mother, **Virginia Steck Graham**.

Steve's earliest involvement with the institute was an unsolicited gift in support of the *Wetlands* program, also in honor of his mother. A Waynesboro native and graduate of Drexel, Steck Graham began her professional life as a teacher at Washington Township School during the 1940s. She later served as court reporter and legal secretary, while also serving as Society Editor of the *Record Herald* newspaper.

As a professional woman living in a small community, she was a member of College Club and other benevolent social and service organizations. Steve said he feels sure she knitted booties for every baby born in Waynesboro during her adult life! His stories recall her with fondness, as a “homemaker, a good cook and a good mom.”

She was a close friend of Emma Nicodemus. Steve believes his mother would be pleased to be associated with Emma's rich legacy of Renfrew, and the institute's role in interpreting its historic backdrop and surrounding natural world on the site of her old friend's last home.

During *Discovering Wetlands*, grade-six students travel into the wetlands, literally enjoying an immersion experience that is fun and memorable. 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.

Their excursion allows students to explore this special ecosystem by seeing, touching, hearing and even smelling the things that make it unique. They dip critters (macro invertebrates) from the spring run and examine them under a field microscope, feel the silica as they examine stems of horsetail, hear the call of the red-winged blackbird and smell recently decayed matter in detritus as they compare soil from the high dry meadow with that of the wetland.

Students engage in scientific fieldwork with the use of pH meters, microscopes and soil bore samplers,

(continued on pg. 18)



Sponsor Spotlights The Power of One

Martz Plumbing and Heating

Bruce and Tammy Mouer are big on tradition. As owners of Martz Plumbing and Heating, Bruce has continued a tradition of service begun as a 28-year employee of the business. Martz Plumbing and Heating was established in 1946 by “Bud” and Chester Martz. In 1977, the family business passed to Wayne and Debbie Martz, who delivered professional services to the community through the year 2004. Upon news that Wayne and Debbie were poised for retirement, Bruce and Tammy bought the company.

At the time Bruce and Tammy assumed ownership, Wayne and Debbie had already established a tradition of support for Renfrew Institute. Since 2003, the business had underwritten Streamside and established itself as a major annual donor to the endowment fund.

In the ensuing years, Bruce and Tammy have carried that tradition forward without interruption, boosting the endowment annually, from the years of its infancy through

the present. Wayne’s involvement with the institute now includes service on its board of directors, where he continues to nurture the organization.

Although investment proceeds from the endowment continue to be reinvested, meaningful annual contributions, such as Martz Plumbing and Heating provide will help it grow. It will one day have sufficient levels of investment to generate operating income for the organization, contributing to day-to-day cash flow, while continuing to help ensure perpetuity.

In describing their motivations to continue the tradition of support, Bruce and Tammy said, “We’re grateful for the opportunity to partner with Renfrew Institute and contribute to our community in this way. The institute staff does a great job each year to present both fun and educational opportunities for the people of Waynesboro and the surrounding region. We’re proud to keep the tradition going.”

Martz has been a solid leader in the HVAC business for more than 50 years. Bruce Mouer attributes the success of the business to its rapport with customers. He also speaks highly of his dedicated staff. In 2006, Martz Plumbing was awarded the Aircon Engineering Award of Excellence in recognition of outstanding performance.

Streamside serves as our conduit for information to Renfrew Institute members about our activities and opportunities. Thanks to Bruce and Tammy’s generosity through Martz Plumbing and Heating, institute news will continue to flow. We’re grateful for their steadfast support that has helped keep the pipeline open, and contributed to a solid foundation for the future.

Tracy Holliday

Jack Handshaw Receives Environmental Artistry Award

Ceramist Jack Handshaw of Fairfield, Pa. received Renfrew Institute’s 2010 Environmental Artistry Award, presented by Art Festival Chairperson, Bridget Brown at Earth Celebration Day & Festival of Art on Saturday, April 17, 2010.



Bridget Brown, left, presents the 2010 Environmental Artistry Award to ceramist, Jack Handshaw.

A familiar face to many at Renfrew Institute, Jack has conducted several pottery workshops for kids as part of the Summer Institute Heritage Crafts program. For more than 20 years, he has also presented adult and children’s workshops for Greencastle Arts Council, Chambersburg Arts Council, Strawberry Hill Nature Center, and many classes with the Adams Co. Arts Council in his studio.

Jack is the owner of Hobbit House Pottery in Fairfield, Pa. He began working with clay in high school, and continued learning pottery-making skills in the Army, eventually becoming a pottery instructor.

After his military career, Jack studied pottery in Philadelphia. “I have worked with many regional potters and they all helped me develop a keen understanding of pottery as an art form,” he said. “I feel I am always learning and willing to try something different...without clay in my hands my life would not be complete.”

Jack creates both functional pieces, such as mugs, bowls, candle holders, plates and vases, and purely decorative ones. These often feature motifs from nature with Jack’s signature “hobbits” in whimsical creations.

Melodie Anderson-Smith (RI executive director) commented on the award. “Jack is one of the kindest and most talented people I know,” she said. “His work is wonderful. With Jack’s guidance and encouragement, children who attend his

workshops come away excited about their own creations. Jack inspires others. We are so pleased that the institute has been able to bring him to our summer students. I’m also very happy that he received this well-deserved award.”

Renfrew Institute Founders Reflect

[Note: This article, written by Nancy Mace, former Renfrew Institute (RI) public relations director, for the Summer/Fall issue of *Streamside* in 2000, marked the 10th Anniversary of the institute. Adapted for 2010, it brings the founding of the institute back into focus as the organization celebrates 20 years of operation.]

“The numbers speak for themselves. More than 8,000 kids go through here each year...an experience they wouldn’t have had had it not been for Renfrew Institute. If Emma [Renfrew Museum benefactor Emma Geiser Nicodemus] could have orchestrated the growth of the institute from one stage to another, I don’t think she could have improved it,” noted LeRoy Maxwell, Sr. as he reflected on the institute’s 10th birthday celebration in 2000. That was 10 years ago. Now, nearly 10,000 students visit Renfrew each year. And LeRoy is still one of Renfrew’s biggest fans.

LeRoy was a member of the Renfrew Museum and Park board of directors when asked to serve on the steering committee for the institute—created in 1990 as an independent, self-supporting, non-profit educational organization. Renfrew Museum could no longer absorb the costs of the educational programs it had been offering since 1986, former museum curator, and first institute director, James M. Smith noted at the time.

The institute made it possible to not only continue existing programs, but to expand educational efforts in new directions for all ages. Today, 19 environmental and farmstead life school programs are offered, as well as a variety of workshops, field trips, lecture programs, summer programs for kids and weekend community events throughout the year.

“James was the right man for the right time at Renfrew,” LeRoy reflected in 2000. “He knew that for this place to meet Emma’s fondest expectations, you get the kids interested. They go home and tell their family, go to school and tell the other kids what a great place this is, and you’ve made a great step forward, and that’s exactly what James did.”

According to James, “I wanted to see every child in the Waynesboro schools come to Renfrew at least once during the elementary years. My hope was that they would build a connection to their past and become stewards of the cultural and natural environments through their Renfrew experience.”

That goal became a Renfrew Museum initiative when a former elementary teacher, nature lover and park volunteer, Melodie Anderson-Smith (now RI Executive Director) suggested to James that school programs be developed at Renfrew. She also offered to write and implement a start-up program. He saw a door opening, and invited Melodie to bring her ideas to the museum and park board of directors.

In 1985 she outlined her ideas for a center for cultural



James Smith, left, and LeRoy Maxwell, Sr., who were both instrumental in the creation of Renfrew Institute. Photo dates from RI’s 10th anniversary in 2000. Photo by Nancy Mace.

and environmental studies, telling the directors such a center would be a service to the community, and a good use of the facility. With the board’s approval, Melodie developed the first environmental program, *Green Energy*. James wanted to add a cultural program to ensure the full concept of nature and history as integrated studies. He planted flax and created a farmstead program, *Growing Clothes: Flax Culture of the Pennsylvania Germans*.

The Waynesboro Area School District was invited to sample the programs and in

September 1986, 350 fourth-graders became the first school students to be immersed in this new educational adventure at Renfrew Park.

By the second year, Hooverville kindergarten teacher and weaver, Sherry Hesse, on sabbatical at the time, joined James as a volunteer for the flax program. Sherry (now RI Director of Cultural Studies) added the floor loom and hands-on weaving, so that students could grasp the whole process of flax growing, fiber processing and linen weaving on the farmstead of the early 1800s. Sherry stayed on to become a paid museum staffer, along with Melodie. The two former teachers began to develop additional programs.

James could see that the programs were taking off—more staff would be needed and funding was going to be a challenge. He realized that only a new, separate organization would be able to take on this task, and went to LeRoy to propose the idea for a new “institute” at Renfrew.

“At that time, LeRoy served as board vice president and had served on the board since its inception in 1973,” James said. “He was a close friend of and legal counsel to Renfrew’s benefactor, Emma Nicodemus. LeRoy’s devotion to Renfrew and his clear understanding of Emma’s wishes carried great weight in decisions made by the museum

(continued on pg. 20)

Where's the Buzz? *(continued from pg. 3)*

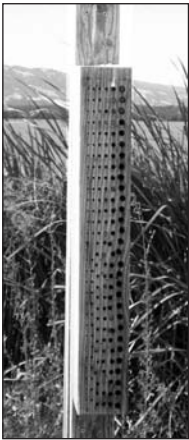
launch the environmental movement. The book facilitated the ban of the pesticide DDT in 1972 in the U.S.]

Nearly all farm pesticides kill bees, but so do those commonly used by homeowners, like carbaryl (Sevin), malathion, and even “organic” insecticides like nicotine, pyrethrin, and spinosad. See the Wikipedia article “Pesticide Toxicity to Bees” for a partial list.

If you must apply pesticides at home, use them as sparingly as possible and as close to dark as possible. Even this will kill those native bees that can forage at dawn and dusk, or when it’s wet and cold. Because many home insecticides do start breaking down soon after application, try covering plants with a floating row cover for a day after treating them.

2—PROVIDE HABITAT

Wild bees need safe nesting sites, close to the plants they pollinate, since they can’t fly as far as honeybees. Few native bees can fly farther than the length of one or two football fields (100–200 yards) from their nests. The biggest bumblebees may go half a mile, unlike honeybees, which may travel 6 1/2 miles (11 km) to good food sources.



Bee blocks like this can provide habitat for bees.
Photo credit:
ilikerareplants.
blogspot.com

To pollinate large commercial fields, native bees need stepping stone refuges or corridors of habitat within fields. Flowers of transgenic [genetically engineered] soybeans may contain a trypsin/ protease inhibitor that can kill bees, so farmers may need to provide extra bee habitat to provide enough bees for pollination.

About 70% of wild bees live underground. The rest live in tunnels in soft wood, hollow plant stems, or little nests of mud.

For bees that nest and hibernate underground, some farmers now construct banks that the bee biologist Susanne Batra dubbed bee zones. These mounds of sandy loam are several yards long and wide, one to two yards high, have a southern exposure, are not disturbed by plowing or spraying, perhaps sheltered by a windbreak, with the vegetation kept short by mowing only in the evening.

In home landscapes, people who are familiar enough with bees that they can tell them from wasps should not destroy bee nesting holes in lawns, bare earth, or large flower pots. Bumblebees commonly nest in stone walls, abandoned chipmunk burrows and mouse nests, under piles of sticks, or in long matted grass. All can be concealed in large flower beds.

Pennsylvania entomologists are experimenting with bumblebee boxes of styrofoam with drainage holes, stuffed with upholstery cotton, buried 6–12” deep and connected to the surface with a piece of garden hose.

Many people are familiar with wooden “bee

blocks” with holes of varying sizes drilled in them, or clusters of straws kept in what look like open-sided bird houses. Bee blocks are substitutes for the hollow or pithy stems normally used by tunnel-nesting wild megachilid bees, called leaf-cutters and orchid or mason bees.

Bee blocks are usually elevated at least three feet, and are eight inches tall. Beginning 3/4-inch from the block edges, horizontal holes are drilled 3/4 inches apart. Holes can be as narrow as 3/32-inch wide and 3–5 inches deep, or as wide as 3/8-inch and 5–6 inches deep. Deeper holes are best because a female always finishes off her brood with a few male cells on top so the males will emerge first and be ready to mate with local females as soon as they appear. One male can mate with several females, and females are the better pollinators.

Replace the block every three years, sterilize it, or line the holes with paper straws to thwart diseases and pests. If insectivorous birds are cleaning out the bee larvae, blocks can be put inside hardware cloth cages.

Some hollow, pithy stems that bees use in nature are maple, green ash, Virginia creeper, rose, raspberries and blackberries, sunflowers, teasel (and related tall composites), cow parsnip and other tall umbellifers, mallows, hibiscus, glade mallow, and Virginia mallow, some of the stronger mint-family stems like Agastache, sumacs, Diervilla, elderberry and Viburnums, bamboos and other tall grasses like big bluestem and switchgrass.

If you have these plants, you should leave long lengths on the ground when cleaning the garden, or bundle 6-inch pieces, not blocked by internal partitions. Stems will rot before disease organisms build up in them.

3—PROVIDE FOOD

Many of our wild bees are ‘monolectic’ or ‘oligolectic’—they only feed pollen from one or a very few species of flowers to their young. So cultivate many different kinds of plants. If you want to protect a particular species of wild bee, plant an area of one of its favorite plants at least four feet wide. Avoid planting highly doubled flowers for bee food; flowers bred to have many more petals than they originally had contain little nectar or pollen.

Fruit growers have been told to encourage dogwoods, cherries, violets, viburnums, grapes, maples, birch, willow, and alders for important early spring pollen sources, button-bush and spireas for summer, and meadow wildflowers that bloom in late summer and fall—especially composites like goldenrods and asters. In the eastern U.S., continuous strips of these shrubs and wildflowers along farm roads and clover between rows should give good enough pollination so growers don’t need to buy bees.

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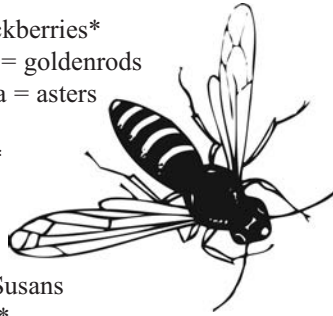
- *Pollinating Insect Biology*, www.ars.usda.gov
- *The Great Sunflower Project*, www.greatsunflower.org
- *Pollinator Partnership*, www.pollinator.org
- *Pollinator Insect Conservation/Gardening for Pollinators*, www.xerces.org

88 Top Native Plants for Native Bees

*Woody

These plants can help support native bee populations and thereby contribute to the stabilization and growth of those populations.

1. Rubus = raspberries, blackberries*
2. Solidago & Oligoneuron = goldenrods
3. Symphiotrichum, Eurybia = asters
4. Helianthus = sunflowers
5. Prunus = native cherries*
6. Rhus = sumacs*
7. Salix = native willows*
8. Asclepias = milkweeds
9. Rudbeckia = black-eyed Susans
10. Vaccinium = blueberries*
11. Trifolium = clover (a few are native)
12. Bidens = beggar's ticks
13. Pycnanthemum = mountain mints
14. Verbena = vervains
15. Erigeron = fleabanes
16. Ceanothus = New Jersey tea*
17. Dalea/Petalostemon = prairie clover
18. Cirsium = thistles (a few are native)
19. Coreopsis = tickseed
20. Malus/Pyrus = apple, crabapples*
21. Ilex = native holly, winterberry*
22. Viburnum, native ones*
23. Monarda = beebalms
24. Helenium = sneezeweeds
25. Hydrangea arborescens, quercifolia*
26. Blephilia = wood mints
27. Fragaria = strawberries
28. Geranium = wild geraniums
29. Claytonia = spring beauties
30. "Eupatorium" = Ageratina, Conoc., Eup.
31. Vernonia = ironweeds
32. Cardamine/Dentaria = toothworts
33. Polygonum = smartweeds
34. Zizia = Alexanders
35. Chrysopsis/Heterotheca = goldenasters
36. Cornus = dogwoods*
37. Apocynum = dogbanes, Indian hemsps
38. Silphium = rosinweeds, compassplant
39. Amelanchier: shad-, June-, serviceberry*
40. Aruncus = goatsbeard
41. Potentilla/Dasiphora, partly*
42. Packera/Senecio = ragworts
43. Ratibida = coneflowers
44. Eryngium = rattlesnake-master, eryngos
45. Ranunculus = buttercups (some native)
46. Amorpha = false indigos*
47. Vicia = vetches
48. Symphoricarpos = snow-, coralberries*
49. Psoralea = scurfy peas
50. Oenothera = sundrops, evening primrose
51. Penstemon = beardtongue
52. Heracleum = cow parsnip
53. Taenidia = yellow pimpernell
54. Stellaria = chickweeds
55. Houstonia/Hedyotis = bluets
56. Arabis = rock cresses
57. Rhododendron/Azalea*
58. Cercis = redbud*
59. Cephanthus = buttonbush*
60. Boltonia = boltonias
61. Antennaria = pussytoes
62. Echinacea = purple coneflowers
63. Verbesina = wingstems
64. Ribes = gooseberries, currants*
65. Senna/Cassia = wild sennas
66. Polemonium = Jacob's ladder
67. Heliopsis = oxeye, false sunflower
68. Baptisia = wild indigos
69. Viola = violets
70. Hypericum = St. John's wort, part*
71. Zanthoxylum = prickly ash*
72. Salvia = sages (some native)
73. Osmorhiza = sweet cicelies
74. Photinia/Aronia = chokeberries*
75. Cryptotaenia = honeworts
76. Cicuta = water hemlocks
77. Liatris = gayfeathers, blazing stars
78. Hydrophyllum = waterleaves
79. Rhamnus = buckthorns; a couple native*
80. Ptelea = hoptree, wafer or stinking ash*
81. Grindelia/Haplopappus = gumplants
82. Oxalis = yellow sorrels
83. Isopyrum = false rue-anemone
84. Lycopus = water horehounds
85. Stachys = woundworts; some native
86. Veronica = speedwells; some native
87. Erigenia = harbinger of spring
88. Campanula = bellflowers



Institute Volunteers Pumpkin Fest 2009

We thank the following volunteers who helped with the 2009 Pumpkin Festival. A complete list of volunteers for all events will appear in the Fall issue of *Streamside*.

Debbie Pflager (Co-Chair)	JoAnn & Allie Kohler
David Hykes (Co-Chair)	Denny Koons
AARP South Chapter	Doris Large
Melodie Anderson-Smith	Jason Levick
Antietam Ford Tractor	Emma & Justin Lewis
B. Equip, Inc.	Judy Lininger
Bonnie Bachtell	Lynn MacBride
Grace Baylor	Mike Mahr
Sandy & Rob Beaumont	John, Jean & Steve Martin
Cookie Beck	Wayne Martz
Marie & Ed Beck	Barbara McBride
Maxine Beck	Alice McCleaf
Frank Beckner	Peg McCleary
Liane Benchoff	Bev McFarland
Jane Birt	Ann Miller
Garrett Blanchet	Carol & Don Moffo
Phyllis Brothers	Red & Wendy Mohn
Alfred Brubaker	Sherry Newcomer
Marty & George Buckey	Alice Noll
Ronnie Byers	Bob North
Susan & Frank Conway	Jim & Evelyn Oliver
Carol Cool	Tim Parry
Bob & Terri Dee	Bill Pflager
Valerie Dick	Sherri Plummer
Debi Duffey	Janet Pollard
Dottie Fawks	Virginia Rahn
Karen Fitzgerald & WASH	Bill & Lois Reynolds
Nat'l. Honor Soc. Students	Jeff & Bonnie Rhodes
John & Jean Frantz	Mary Rocks
Charlene Good	Pam & Bruce Rowland
Steve Graham	Pat & Richard Shew
Nancy Hall	Brian Shook
Bobby Hamner	Lee Showalter
Ron Harbaugh	Beth, Fred, Nathaniel
Jodi Harbaugh	& Ian Skroban
Rebecca Harris	Nora Slick
Pat & Jay Heefner	Darleen & Harold Smith
Dick & Joann Hersh	Eunice Statler
Siegfried Herzog	Donna & Bob Steiner
Paul Hess	Louanna Sturm
Tracy Holliday	Doug Tengler
David & Diane Hykes	Emelda Valadez
Bonnie Iseminger	Sue VonRembow
Marge Kiersz	Waynesboro Historical Society
Martha Baylor Kirby	Kathy White
George Kirk	Linda & Bob Zimmerman

New Underwriting Support

(continued from pg. 13)

whetting appetites for deeper scientific studies. Such authentic learning is the cornerstone of Renfrew Institute's mission.

It is an honor for us to help Steve remember his mother in this way, and we are grateful for his devotion to the activities and mission of Renfrew Institute.

Anonymous Donor

An **anonymous donor** has provided new underwriting support for professional development for Renfrew Institute's faculty and staff.

Renfrew Institute faculty members attend a variety of professional development activities throughout the year. All faculty members are trained and certified in CPR and first aid. Institute instructors may attend professional conferences such as Pennsylvania Association for Environmental Educators and Maryland Association for Environmental and Outdoor Education.

Additional professional growth is acquired through seminars on a variety of topics, and visits to other outdoor, environmental and cultural education organizations. Staff may also attend lectures and training sessions conducted by local and regional experts.

By promoting such opportunities for its staff, the institute will continue to maintain a high caliber teaching and administrative staff. Having the costs of these activities subsidized encourages staff members to deepen their knowledge of natural and cultural history and hone professional skills.

Periodically, our staff undergoes a rigorous "in house" session of program evaluation during which opportunities are identified for content, prop and instructor improvement for our school program curriculum. It is our goal to engage this process at least every three years. We regard this exercise an important part of maintaining program excellence. It is also funded through our professional development budget.

We're extremely grateful for this important donation from our "quiet friends," who will surely appreciate seeing their gift come to fruition.

Tracy Holliday



Memorial Donation

A generous donation has been given
to Renfrew Institute

in memory of

Carol L. Bricker

The donation is designated to provide new sit-upon cushions for school children. The cushions are used in many of the institute's "outdoor classrooms," such as the one at left from a few seasons ago, where Lori Schlosser teaches *Sidney's Wonder Web*. The gift is much appreciated. Photo by Tracy Holliday.

In Memorium... Losing Redbud

It is with sadness and joy that we remember our former staff member Edna Rice, who passed away on November 26, 2009. Sadness, because she left us too early. Joy, because we were able to work with her and learn to know her as a good and special person.

Edna, known to the children as “Redbud,” was an inspirational teacher, skillful in presentation of concepts, enthusiastic with a gentle touch, appreciative of others and always the willing helper.



*Edna Rice shows children a recipe for making soil as part of the 'Marvin Visits Earth' program.
Photo by Tracy Holliday.*

Though she retired from our staff in 2007, she continued to keep in touch. Every now and then she would stop by, usually with some home-baked treat to share.

She loved Redbud trees and Spring and children. Edna taught for many years in our local school district and brought her students to Renfrew as a classroom teacher. When she retired from the district,

we were able to convince her that she needed to keep on teaching. Happily, she joined our staff. Now she could continue to offer her teaching skills and love of children in a new and fulfilling way—seasonally, with ample time left to travel and enjoy family.

For those who have not heard the story about the “feathers”...

One busy school program day at Renfrew, Edna came into the office after a full day in the field teaching first graders. With weary step, tousled hair and laden with backpack and props from the program, Redbud plopped down on an office chair.

“Whew,” she chuckled, with a smile on her tired face. “Teaching first graders today was like trying to keep feathers in a basket on a windy day!”

That expression stuck with our staff. Long after Edna had retired from Renfrew Institute we continued to use it frequently. “It’s a feather day out there!” can still be heard.

Edna will always be with us in spirit. Still, we are missing the presence of our beloved ‘feather friend.’

Melodie Anderson-Smith

Thank you to the following
who have made special donations
to Renfrew Institute

in memory of...

Joyce Ceyler

and in honor of...

Eunice Statler

by Richard D. Ceyler



in memory of...

Edna Rice

by

Anonymous Donor

Neal & Jackie Brewer

Marie Brubaker

Rodney & Lynette Campbell

Willis M. Conover

Barbara Cook

Audrey Eshelman

Joanne Evans

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Jean Gates

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Tracy Holliday

Linda Jansen

Lorraine Latschar

Richard & Martha Mathias

Margaret L. McCleary

Verna W. Moseman

Sandy Moss

Murali Nair

Thelma Plum for the Rice Family

Paul & Gloria Rice

Pauline Seiler

Delores Shumbaugh

Rachel Spease



Close-up of blossoms of the Redbud tree.

RI Founders Reflect *(continued from pg. 15)*

and park's board. If the institute was to become a reality, we needed LeRoy to champion the cause. And he became just that, our champion."

Through LeRoy's leadership and the strong support of fellow board member George Buckey, the board approved creation of the institute at its April 1989 meeting. "James had the background and knowledge to know that you needed two separate organizations to make Renfrew work," LeRoy noted, "and the fireman on the engine was Melodie."

Others in the community were brought in, including J. Edward Beck, Jr., who agreed to help the fledgling organization with bylaws and federal non-profit status.

"The growth of the new organization in terms of support of the community and the programs it offered (educational and special events) came about because of a lot of people," James explained, "including first institute board president, Dudley Keller."

Dudley also was struck with this dream and vision for cultural and environmental programming in the Waynesboro area. In 2000, she reflected on the first 10 years, "Education is a top priority for me, and so is stewardship. The programs which have evolved at Renfrew have not only been first-rate, affordable and accessible to all in the area, but varied, and rooted in 'nurturing' by learning, caring and giving. Renfrew really is a magical place. The faculty and staff at Renfrew are outstanding. I feel so lucky to have worked with such experienced, visionary community members and professionals at the institute."

When asked recently how she felt about RI's 20 years, Dudley replied, "Now, in 2010, the first classes of institute students are young adults, professionals, and some are parents with young children. They are the next generation of *Earthwalkers*. They are teaching our children and grandchildren the importance of being stewards of our natural and cultural heritage. They are politicians proposing policy; they are consumers buying environmentally friendly products; they are Community Supported Agriculture farmers; they are teachers, pastors and missionaries; they are coaches, plumbers, bankers, playwrights, artists, business people, musicians, Rotarians, registered voters; they are homeowners recycling their waste; and they are our children, they are our future, they have dreams of their own and they are *Earthseekers*—Renfrew Institute alumni."

The institute's educational programs continue in their mission of providing students a chance to explore the natural world around them, and to understand how this world nurtured a past way of life two centuries ago or even earlier. By understanding their natural environment, students gain a better understanding of their own past; by understanding their past, students gain a better understanding of themselves and their place in the world.

Top of Mushroom *(continued from pg. 9)*

grandchildren," Debbie said, "and I'm looking forward to the arrival of a third one in July."

Her son, Jay Rossman lives in Baltimore, daughter Julie lives in the D.C. area where she is a graduate student at the University of Maryland, and son Daniel is a senior at Iona College, New Rochelle, NY.

Asked why she has devoted so much time and energy to the institute over the years, Debbie said, "Renfrew has a special place in my heart. It's been a big part of my kids' life and my life. We take friends from out-of-town there. My husband runs with our dog there everyday! Renfrew is the heart of Waynesboro, and I love being part of Renfrew Institute."

And the institute loves Debbie. "Debbie is one of the longest-serving volunteers in a leadership position in the history of the institute," said Melodie. "We are so very grateful for her dedication and commitment—from board service and regular committee work to event chairing, she truly has done it all. At the end of a big day like Pumpkin Fest or Earth Day Recycle Yard Sale, Debbie is there to give out the hugs when the work is done. She is truly a good friend, with a great sense of humor too."

Enjoy the view from the Top of the Mushroom,
Queen of Everything!

Andrea Struble

A Special Thank You!!!

July 2009
We wanted to thank you for the wonderful experience our boys had this summer with the "Nose to Nose with Nature" program. It was the highlight of their summer and they looked forward to it every week. Firefly [Stephanie Kober] and Mountain Laurel [Nora Slick] are amazing, incredible, patient teachers who really helped them appreciate what Renfrew has to offer. We're already looking forward to next summer!

Thank you!
Mike and Betsy Mummert
(And Matthew and Nathanael)

Summer Institute 2010

Renfrew Park, 1010 East Main St., Waynesboro, PA (762-0373)

Summer Institute activities are made possible in part by contributions to the Today's Horizon Fund by PenMar Development Corporation, Nora Roberts Foundation, and by an Anonymous Donor

Children's Summer Stories

Tuesdays, June 22–July 27 • 1:00 pm

Children gather under the tree near the Visitors Center to listen to stories and enjoy related hands-on activities. Preschool and up. Free. Pre-registration not required. If inclement weather, call to confirm.

Nose to Nose With Nature

Wednesdays, June 23–July 28 • 9:30–11:00 am

Explore nature's best spots in the park with Renfrew Institute's environmental instructors. Check out those weird, wild, wonderful creatures & plants that help make our life on earth possible. Tools, stories, secret missions, music & games will add to the fun and adventure. Bring old sneakers for wading. For children completing grades K–3.

*Renfrew Institute members \$4 per child/Non-members \$5 per child, per session. Attend one or more.

Pre-registration not required. Meet at Visitors Center. Please arrive 15 minutes early to register.

*Member discount for Renfrew Institute memberships of \$25 or more.

Plus ~ Heritage Crafts: Summer Workshops For Youth • July 20–22

Attend One or More Craft Workshops! All Sessions Meet at Visitors Center

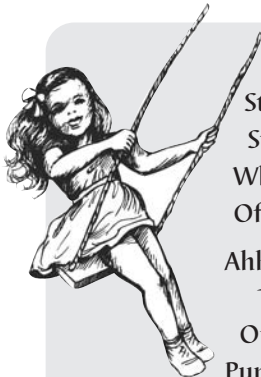
Underwriting support provided by an Anonymous Donor

Heritage Crafts selections include Piercing Tin, Fun With Fibers, Leatherwork, Pottery and Basketry.

Details available at www.renfrewinstitute.org OR call for a flyer

Fee: \$20 members • \$25 non-members (Additional materials fees may apply) *Member discount for memberships of \$25 or more*
Note: Workshop fees apply to each workshop, per student (i.e., one student attending four workshops= \$80 member/\$100 non-member)

Call or email for a flyer & registration form: 762-0373 • renfrewinst@innernet.net



Jerk the Chains

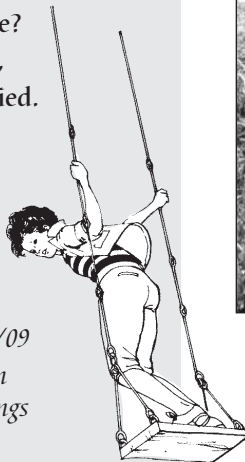
Study a swing long still.
 Still more, pity a child,
 Who knows not the thrill
 Of chains jerking wild.
 Ahh...head thrown back,
 Toes treading on sky,
 On a pendulum's track
 Pump and pull, pull high:
 Jerk the chains wild!
 But where is the child?

Where, why these missing ones?
 Doing what, while trapped inside?
 Entranced daughters and sons,
 Children, whose childhood has died.

Come, child, jerk the chains.
 Awaken to wind and sky.
 Come swing away reins.
 Pump and pull, pull high:
 Jerk the chains... and fly!

—by Bob North 3/17/09

Lines written upon contemplation
 of an obviously unused set of swings
 in a public park in Florida.



Wearing his official Renfrew Institute Fun Fly button, Riley Morgan of Waynesboro helped his big sister, Leah, fly a kite during the 16th annual Fun Fly on April 10. The pair enjoyed watching their kite soar into the blue skies and sunshine. The beautiful spring weather brought a big crowd to the kite fly where "Kite Man" Bill Flohr shared flying tips and techniques. Photo by Andrea Struble.

Spring/Summer 2010 Calendar of Events

All events supported in part by Today's Horizon Fund contributors:
PenMar Development Corp., Nora Roberts Foundation and an Anonymous Donor

Bird Walks at Renfrew

Saturdays in April & May, 7:30–10 a.m.



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

Renfrew Rocks! Geology Field Trip:

Shakes and Blasts from the Past, a Look at Past Volcanoes and Earthquakes in Southern Pennsylvania

Saturday, May 15, 9 a.m.–4 p.m.

Presented in partnership with the Franklin County Rock & Mineral Club.

Jeri Jones, geology professor and consultant, leads a field trip to key sites in Adams and Franklin counties, including Gettysburg, to view igneous rocks and stand at the epicenter of the only known Adams County earthquake. Fee is \$25 for Renfrew Institute members, \$30 for non-members. One child free (with adult, ages 4–14). Additional children \$5 each. Field trip transportation by bus only (provided). Call to register.

Youth Festival 2010

Sunday, May 30, 1–5:30 p.m.

Underwriting support provided by Susquehanna Bank

It's a Bug's World!

A celebration of youth with workshops, demonstrations, activities, exhibits and entertainment. Admission is free. Pre-registration for workshops. Rain site: Waynesboro Area Middle School.

Download a flyer at www.renfrewinstitute.org



Off-Site Birding Field Trip to Gettysburg Battlefield

Saturday, June 5, 7:30 a.m. (Rain date: June 6)

Meet at Virginia Memorial on Confederate Ave. on the battlefield. Naturalist Jack Olzewski leads this trip to Gettysburg battlefield, an area rich with many species of birds. Participants should bring binoculars, bird ID books and cameras, and wear comfortable shoes for walking. Bringing water, snacks, or lunch also recommended. RSVPs appreciated. Free and open to the public. For more information or directions, call Jack at 301-241-3846, or Renfrew Institute at 717-762-0373.

SUMMER INSTITUTE—SEE PAGE 21 FOR DETAILS

Download a flyer at www.renfrewinstitute.org

Summer Stories at Renfrew

Tuesdays, June 22 – July 27, 1 p.m.

Nose To Nose With Nature

Wednesdays, June 23 – July 28, 9:30 – 11:00 a.m.

Heritage Crafts for Youth

July 20 through July 22 (daily, times vary)

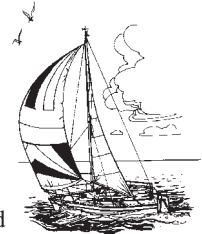
13th Annual Chesapeake Bay Supper Fund Raiser

Friday June 25, 6 p.m.

Waynesboro Country Club

Underwriting support provided in part by Allegheny Power, and the State Farm Good Neighbor Grant Program through retired State Farm agent, Joann Hersh.

Show your support of Renfrew Institute. Join us for an enjoyable evening of steamed blue crabs from the Bay, delectable side dishes and dessert, live and silent auctions and other Bay-related activities. Reservations required; form available at www.baysupper.org.



3rd Annual Salamander Scramble 5K Run

Saturday, July 3, 8 a.m.

Underwriting support provided in part by Tru Cut Lawn & Landscape, Quang & Tammie Tran, Advanced Foot & Ankle Care/Advanced Chiropractic and Crossroads Commercial Realty. Held in conjunction with



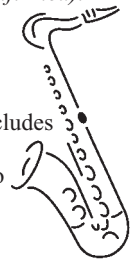
Waynesboro's Fourth of July Jubilee Firecracker 5K Run. Team Salamander raises funds for Renfrew Institute with pledges from friends, family, and co-workers. All athletic levels welcome. Pre-race training runs offered for team members. Registration form, pledge form, and flyers available at www.renfrewinstitute.org, or call (717) 762-0373, or email: renfrewinst@innernet.net.

18th Annual Jazz Festival

Sunday, August 22 OR 29, 2–4 p.m. (date to be confirmed).

Underwriting support provided by Franklin Co. Visitors Bureau, PA Partners in the Arts and additional sponsors TBA

Featuring top professional jazz artists, festival will be held on the lawn behind the museum house. Includes a concert from 2–4 p.m. followed by an informal question and answer period. Rain site: Waynesboro Area Middle School auditorium. Free. Open to the public. Featured artists to be arranged. Donations accepted.



Halloween Storytelling

Wednesday, October 27, 6:30–8 p.m.

(Date to be confirmed)

Underwriting support provided by Patriot Federal Credit Union

Annual evening of spooky tales featuring a guest storyteller. Bring flashlights and dress for the weather. In the Fahnstock Barn or another site on the property.



We hope you will come out to enjoy one or more of these great events!

Thanks

...to **Barry Donohoe** for repairing flax scutching knives.

...to **Jack Olzewski** for leading bird walks this spring, assisted by **Pete & Carol Bailey** and **Willard Rahn**.

...to **Emma Lewis** and **Amber Naugle** for weekly help with office and program tasks.

...to **Mary Ann Payne** for continuing work on the institute's archives, *EarthSeekers* awards and other program related tasks, and especially for proofreading *Moon Rue & Mary's Root*.

...to **Joanne Schoonover** and friends from **Shady Grove Fabrics**, and to **Virginia Rahn**, and to **Waynesboro Area Senior High** students from **Sandy Shuck's class**, for cutting quilt fabric for kindergarten program *Once Upon a Farm*.

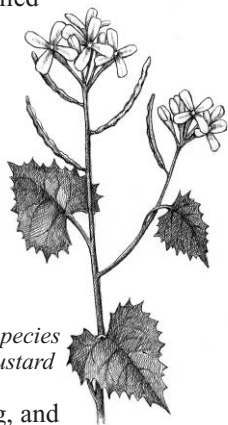
...to **Roy Struble** for assisting with publicity mailings

...to **Joann Woy**, Blue Moon Editorial Services, for donating her time and expertise to do the design and layout for Doris Goldman's book, *Moon Rue & Mary's Root*.

Special—Belated—Thank You

A very belated but sincere "THANK YOU" to the following Waynesboro Area Senior High students from Sandy Shuck's class who pulled invasive species (garlic mustard) throughout Renfrew Park during the spring of 2009:

Leif Crider
Ryan McKinstry
Ashley Smith
Melissa Smith
Logan Spoonhour
Justin Verdier



*Invasive species
Garlic Mustard*

The work is continuing this spring, and we are delighted to say "Thank You" to the following students from Waynesboro Area Senior High School who are helping to pull invasive species throughout Renfrew Park during the spring of 2010:

Amanda Brown
Matthew Carbaugh
Leif Crider
Sebastian Downin
Ashley Knott
Nathan McCall
Logan Spoonhour
Sandy Shuck, Teacher (learning support)
Karen Carlson, Instructional Assistant



WELCOME

New Members!

Note: New members sponsoring specific programs are also listed under Gifts—New Sponsorships on page 8.

Suzanne S. Beckwith	Donna Levick
Melinda & Elinor Borrell	Hugh & Ruth McNeil
Kenneth Bricker	Andrew Papoutsis,
Sherian & Dale Diller	APX Enclosures
The Fetterhoff Family	RaceWax.com LLC
Franklin Co. Rock	Amy & Andrew Sargent
& Mineral Club, Inc.	Jeff & Deb Shank
Ryan Henderson Family	Anne M. Shepard,
Curtis, Jessica & Madison Koons	Attorney at Law
TruCut Lawn and Landscape—	George & Pat Souders
Curtis Koons	Glovelia Williams
Dennis L. Koons of Raymond James Financial Services, Inc.	



The Earth Day/Recycle Yard Sale food stand offered plenty of tasty lunch options for those in attendance. Photo by Nora Slick.

RENFREW INSTITUTE BOARD OF DIRECTORS

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 Pamela Rowland, *Faculty*
 Lori Schlosser, *Faculty*
 Beth Skroban, *Faculty*
 Nora Slick, *Faculty/Summer Institute Coordinator*

Our Wish List...

- ❖ Card tables—used, in good condition
- ❖ Book: *Where Does The Butterfly Go When It Rains?* by May Garelick, Mondo Publishing, c 1961 & 1989
- ❖ 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 to buy the book (includes \$3 S&H) and we'll order it!
- ❖ Book: *A Guide to Common Freshwater Invertebrates of North America*, by J. Reese Voshell, Jr.
- ❖ Book: *Aquatic Entomology*, by W. Patrick McCafferty, 1981
- ❖ Donation to purchase durable and identifiable recycling bin for use during public events (\$100)
- ❖ Book: *Eastern Birds' Nests* by Hal H. Harrison, a Peterson Field Guide
- ❖ 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
- ❖ Gallon ice cream buckets with lids

Wish List "Thank You"

- ❖ **Karen Manderson:** Books—*An Instant Guide to Weather* by Eleanor Lawren & Borin Van Loon; *A Field Guide to Animal Tracks* (Peterson) by Olaus J. Murie; *Beetles* (Peterson) by Richard E. White; *Marvels in the Muck* by Doug Wechsler
- ❖ **Lucinda D. Potter, CPA:** Butter churn

Beyond the Wish List...Thank You Too!

- ❖ **Doris Goldman:** Book—*Pennsylvania German Farms, Gardens and Seeds* by Irwin Richman Bainbridge
- ❖ **Flohr Lumber Co.:** Discount on supplies for the PA German 4-square garden
- ❖ **Steve Graham:** The following equipment for use in farmstead programs—1 copper round-bottom kettle, 1 lidded iron kettle, 2 Scotch hands, 1 butter paddle, 1 kraut stomper. Books—Golden Press *Families of Birds*; Golden Press *Gamebirds*; *Flowers (A Golden Nature Guide)*; *Non-Flowering Plants (A Golden Nature Guide)*; *How to Know the American Mammals* by Ivan T. Sanderson; *Field Book of Common Mushrooms* by William S. Thomas; *The Pocket Guide to the Wildflowers* by Samuel Gottscho (2 copies); *Mushrooms & Fungi* by Dr. Mirko Svrcek; *Ginseng & Other Medicinal Plants* by A. R. Harding; *The Mushroom Handbook* by Louis C.C. Krieger; *How Indians Use Wild Plants for Food, Medicine & Crafts* by Frances Densmore; *Outstanding Scenic Geological Features of Pennsylvania* by Alan R. Geyer & William H. Bolles
- ❖ **Phil & Jerry's Meats & More:** Sweet Lebanon Bologna for student "tastes"
- ❖ **Bill Hess:** Donation of dried cob corn for school program *From Field to Table*
- ❖ **Kathy Seiler:** Wall cabinet with mirror for over the sink (salvaged from Waynesboro Area Senior High)
- ❖ **Virginia Rahn:** Book: *Wading Into Wetlands*, National Wildlife Federation/Nature Scope
- ❖ **Lillian Ridenour:** Primitive corn husker
- ❖ **Denny Koons:** Donation of six fluorescent orange vests for use by parking crew at institute community events

You can renew your membership now for 2010-11!

An "Earth Stamp" here means we're missing you from 2009-2010!

Streamside

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