

# 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.”



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## It only takes 65,000 sq. miles of WILL!

I just finished reading the Alliance for the Chesapeake Bay’s monthly publication, *Bay Journal*. It’s one of those incredibly informative papers that makes me read it cover to cover. At Renfrew Institute we teach about the Bay a lot—like in our fifth grade school program, Lifesavers of the Chesapeake Bay, and in the sixth grade Discovering Wetlands and in the after-middle school program, Water Striders. The *Bay Journal* helps our staff keep abreast of the latest developments in the effort to save the Bay and our local Antietam Creek watershed.

There is some good news in this issue—that it may not take as much money to restore the Bay as scientists and officials once thought. With new technologies, the removal of nitrogen (and other pollutants) from municipal waste water and from agricultural run-off may be possible without excessive cost. The “kicker” though is that even cost-saving initiatives won’t happen without political leadership and the commitment of farmers and home-owners throughout the watershed. It won’t happen without our will to see it through.

How much this new information will lower the \$19 billion originally estimated to clean up the Bay remains to be seen. It will still be expensive, and recent political will in the Bay states (Pa., Md., Va., W.Va., N.Y., Del.) has weakened. Much remains to be done before we can overcome the negative impacts of population growth and poorly planned land use in the 65,000 sq. mile Chesapeake Bay watershed. Our local area (part of the Bay watershed) is also facing these issues.

Why am I mentioning this in *Streamside*—other than that I knew you would be interested? Because it shows that people must put their heads and hearts together to solve problems. They can effect amazing results, but the “striving toward the goal” part takes time, energy, money and, most of all...will.

Renfrew Institute can take a lesson from this too. When you get to page 15 you will see last year’s financial statement showing a deficit (-\$11,468). That’s a big “ouch” for us, but not unusual in the non-profit world these days. It’s not new for the institute either. We have had deficits before. But don’t despair. First, hundreds of you (listed on pages 7 & 12) gave generously in 2002-03 and in the current year 2003-04. We are afloat because you want us to be.

Second, like the Chesapeake Bay officials and scientists, the institute board and staff are putting heads and hearts together—refiguring the numbers, getting serious about new funding initiatives and grant-writing, and recognizing that to stay the course we must think creatively, make thoughtful choices, and maintain our incredibly strong will.

Ours is a resilient organization with tremendous support in the

(continued on page 4)

*From the Desk of* TIM RAHN, PRESIDENT

## Resource-fulness



Resources are finite. From the water and land essential to our existence to the fuel and paper essential to our modern lives, these are limited. You don't have to tell anyone at Renfrew Institute that resources are finite. This is what we teach.

Money is a resource, too, and finite. The board has learned this year just how finite a resource money can be. At our January meeting, we reviewed our current budget and saw once again that we are faced with a budget deficit. In my last President's Message in September, I described the situation and the steps that the board and staff were taking to tackle the deficit.

As I said in September, the institute's budget deficit is not a reflection of the financial health of the organization. In fact, there is good news: we are holding the line on expenses and keeping the deficit from growing. We also have reserves that will enable us to continue to operate.

To step up development efforts, the board identified three ideas to generate additional income. One of those ideas—a summer camp for youth—is now a casualty of the deficit. The board decided that while a summer institute might break even, we cannot take the chance that it could add to the deficit.

The other two ideas included a new fund raiser and an increased effort to acquire grants. The Development Committee, chaired by Steve Rost, has determined that the best chance (pardon the pun) for a successful fundraiser this year will be a raffle. The committee views this as a one-time effort and will be investigating ideas for a new fund raiser for 2004–05. In the meantime, catch Steve's insert about the raffle in this issue.

The Development Committee is also rigorously pursuing grant writing by targeting organizations that represent good opportunities. In addition, assistant director Tracy Holliday is doubling her efforts to both write grants and obtain program sponsors. Tracy has identified several "hot" prospects and we hope they lead to funding for programs.

We will not be able to wipe out our deficit this year, but hope to reduce it and plan carefully next year to continue its reduction.

While I said earlier that the institute's summer camp was a casualty, it is not dead. The board is committed to a full summer institute in 2005. In the meantime, Charlene Good, chair of the Youth Education Committee, is planning a six-week slate of summer activities for kids, which will continue to grow our programs.

As always, the people of the institute are nothing if not resourceful.

## Welcome New Faculty Member

Renfrew Institute welcomes Stephanie Kober, our newest faculty member. Stephanie began teaching at the institute this past fall, with a focus on the primary programs for younger children.

Although born in Hagerstown, Md., Stephanie moved to Waynesboro in her teens and graduated from Waynesboro Area Senior High School. She has a degree in Elementary Education from York College.

Stephanie has been a substitute teacher for the Waynesboro Area School District for several years, and has taught in all of the elementary schools, as well as the middle and high schools. "I enjoy the variety and change, and working with kids in all age groups," she said. With two children of her own, she also likes the flexibility of working as a substitute.

While working at Mowrey Elementary, Stephanie spoke with institute faculty member, Angie Zimmerman about teaching at Renfrew. Soon after she began her new job at the institute. "I love it!" she says. "The kids are so enthusiastic about being there...they love being outdoors. It's such a wonderful learning environment... the kids are so receptive, and they really want to hear what you are saying. The whole experience is very gratifying for a teacher and I love it!"



Stephanie Kober with first grade students enjoying the fall season at Renfrew.

Institute director, Melodie Anderson-Smith, is delighted to have Stephanie on board. "Stephanie's enthusiasm, energy and rapport with children are exceptional," she said. "We are just so fortunate to have her as part of our staff."

In addition to her teaching jobs at Renfrew and as a substitute, Stephanie also has a volunteer job at Ski Liberty in the winter. She lives in Waynesboro with her husband, Rob, and children A.J., 7, and Gracie, 10.

## Downstream

with Angela Zimmerman

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.

### Saving Energy: Conservation at Home

It's easy to take energy for granted. We use it to heat our homes, cook our food, fuel our cars and run our appliances. New advancements in technology require us to use more and more energy.

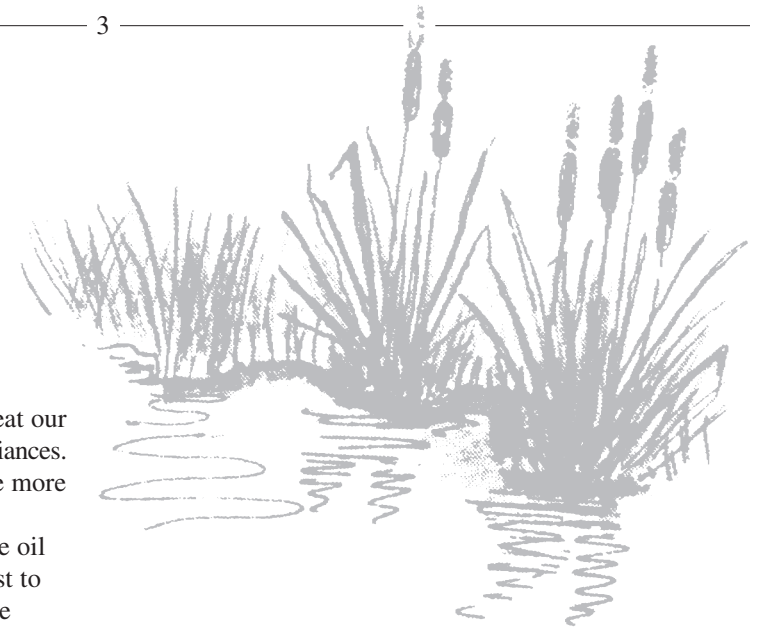
But what is all this energy costing us? Beside oil bills, gas bills and electric bills, there's another cost to consider—the environmental cost. According to the Alliance to Save Energy (ASE), energy production and use account for nearly 80% of air pollution and more than 88% of greenhouse gas emissions. Energy consumption causes more environmental damage than any other human activity.

Most of our energy is derived from nonrenewable resources: fossil fuels. Some of this fuel is used directly in furnaces or engines. Fossil fuels are also used indirectly to produce electricity. Power plants burn coal, oil or natural gas to power generators which produce energy that is sent to our homes and businesses. Alternative power plants that use renewable resources (such as solar energy or wind power) to produce "clean" energy are in the minority.

Unfortunately, once energy reaches our homes it is not used very efficiently. According to the Office of Energy Efficiency and Renewable Energy in the US Department of Energy (EERE), the amount of energy wasted through doors and windows in American homes is equal to the amount of energy we get from the Alaskan pipeline each year. The average home has enough leaks around doors and windows to equal an open three foot square window. (ASE)

The average home uses 44% of its energy for heating and cooling, 33% for lighting, cooking and other appliances, 14% for heating water, and 9% on refrigerators (EERE). This energy use releases 22,000 pounds of carbon dioxide annually compared to 11,500 pounds for a typical car (US Environmental Protection Agency).

A few changes can make a dramatic difference in home energy consumption. Insulating and weatherizing your home is a great place to start. Using hot water wisely also makes a difference. For instance, a family of four who each showers for just five minutes a day uses 700 gallons of water in a week. Aside from using a great deal of water, showering also uses a lot of energy to heat the water long before the shower began. Low-flow showerheads and faucets help decrease the amount of hot water used. Washing machines and dishwashers also use energy for operation as well as energy for hot water. Insulating your



hot water heater and all hot water pipes helps prevent heat loss and saves energy.

The landscaping around your home also affects energy usage. Trees can make a great difference in heating and cooling costs. Daytime air temperatures in tree-shaded neighborhoods were found to be 3–5 degrees cooler than neighborhoods without trees in a study by the Lawrence Berkley National Laboratory. In fact, three carefully placed trees can save the average household up to \$250 annually in heating and cooling costs. For example, deciduous trees on the south and west sides of your home will block the summer sun with their leaves; in the winter, bare branches allow the sun's rays through to help heat your home. Evergreen trees can serve as wind breaks to slow down cold winter winds and help reduce home heating needs. (EERE)

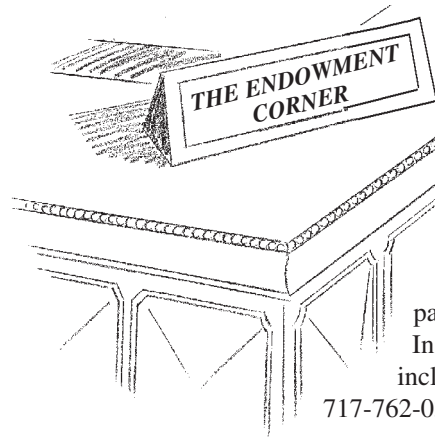
Probably the easiest way to begin conserving energy at home is to change the light bulbs. Traditional incandescent bulbs have short lives, produce heat and use a lot of energy. Fluorescent lights, long used in businesses and schools because they are more efficient, can now be used at home by replacing standard incandescent bulbs with compact fluorescent lamps (CFLs). Although initially more expensive, CFLs pay for themselves over time. A CFL lasts up to ten times longer than an incandescent bulb and uses far less energy.

CFLs are most efficient in areas where lights are left on for an extended period of time. According to the ASE, if a homeowner replaced the four most used 100 watt incandescent bulbs with CFLs, he would save \$108 in three years. If all US households did this, we would save the amount of energy produced by 30 power plants each year. That's the same amount of energy used by seven million cars in one year!

Another way to save energy and money at home is to use *EnergyStar* appliances. A variety of these appliances are available, from dishwashers and washing machines to TVs and VCRs. Although the initial cost may be higher, *EnergyStar* appliances save money in the long run. For example, refrigerators use more energy than any other

(continued on page 5)





### Endowment Corner—Building a Foundation for the Future!

Our sincere THANK YOU to the following members and friends who made contributions to Renfrew Institute's endowment fund in response to last spring's supplemental giving campaign. The fund value more than doubled in the past 9 months reaching just over \$14,400! Of course we have a long way to go to reach our goal of one million dollars. Please keep Renfrew Institute in mind this spring 2004 and, if possible, put a few dollars aside for this fund again.

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 at 717-762-0373 or email us at [renfrewinst@innernet.net](mailto:renfrewinst@innernet.net).

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### 65,000 Sq. Miles of WILL (continued from page 1)

community. Our track record glows with success. Read what institute board president, Tim Rahn, has to say about our upcoming initiatives and commitment. Then, after you have finished reading this newsletter, go out and plant something (o.k.—wait till it's a bit warmer), or get the car tuned up, or use a less toxic ice melter or fix that water leak or save some electricity (see pg. 5)—anyhow, do something to help the Chesapeake Bay. You will be saving the Antietam Creek and feeling good about Renfrew Institute at the same time.

Melodie Anderson-Smith

The Bay Journal is available FREE online at [www.bayjournal.com](http://www.bayjournal.com) or send your name and address to:  
**Alliance for the Chesapeake Bay**  
6600 York Road, Suite 100  
Baltimore, MD 21212



### Saving Energy (continued from page 3)

home appliance. The typical refrigerator sold in 2002 with many modern features uses far less electricity than a comparable 1980 model. If your refrigerator is more than 10 years old, consider replacing it.

For more ideas on how to save energy, check out the EERE website for an online brochure called *Energy Savers*. You can compare your home energy usage with the average American home using your electric and gas bills. Just a few simple changes can make a big difference—remember, saving energy at home is as simple as changing a light bulb.

#### BIBLIOGRAPHY

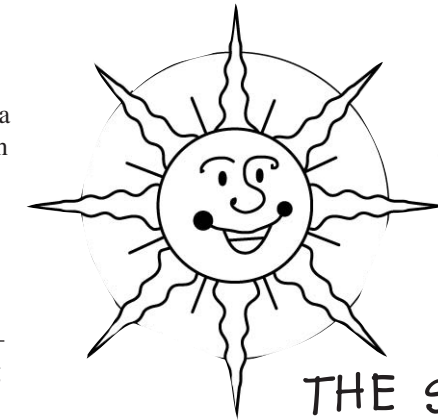
- *Energy Savers* online brochure. US Department of Energy: Office of Energy Efficiency and Renewable Energy. [www.eere.energy.gov](http://www.eere.energy.gov)
- Alliance to Save Energy website. [www.ase.org](http://www.ase.org)
- EnergyStar website. [www.energystar.gov](http://www.energystar.gov)



### ENERGY SAVING IDEAS

- ★ On a windy day, use a lit incense stick around doors and windows to find leaks. Also check around plumbing fixtures, switches and electrical outlets.
- ★ CD players, DVD players, TVs and microwaves use energy even when they are turned off. Unplug them if they won't be used for a while.
- ★ Check your house for insulation in the attic, exterior walls, floors and crawl spaces.
- ★ Check heating ducts for leaks and insulation. A lot of energy is wasted when heat leaks into unheated areas.
- ★ Have heating and cooling systems checked annually.
- ★ Keep fireplace dampers closed.
- ★ Use kitchen and bathroom fans only as needed. One fan can vent a houseful of warm air in an hour.
- ★ If you have single pane windows and don't have storm windows, a heavy duty plastic sheet sealed tightly to the frame on the inside saves energy.
- ★ Use a room air conditioner that is properly sized for the space. A conditioner that is too big is less efficient than a properly sized unit.
- ★ Use a programmable thermostat to avoid heating or cooling an empty house.
- ★ In the summer, keep draperies or shades on windows during the day to block heat. In the winter, keep drapes and shades open to allow in heat.
- ★ When doing laundry, switching the temperature setting from hot to warm will cut energy use in half. Doing all laundry in cold water saves even more.
- ★ Use the moisture sensor setting on your dryer. It saves energy and is better for your clothes.
- ★ Drain a quart of water from your hot water heater every three months to remove sediments and improve your heater's efficiency.

Source: EERE and ASE websites



This poem honoring the sun was created at Renfrew during the *Green Energy* program by students in Bobbi Blubaugh's 4th grade class, Fairview Elementary School.

### THE SUN

Circular energy,  
Red rays,  
Blinding light,  
Hot gas,  
Warm and yellow,  
Big and shiny,  
Bright and orange,  
Happy and sweaty,  
Far and round,  
Atmosphere floats,  
Humungous and fiery,  
Burning Fireball



### Want to be on our 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 and projects as well as articles or sources for educational information on environmental and cultural topics related to the mission and activities of Renfrew Institute.

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](mailto:renfrewinst@innernet.net)

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





**Sponsor Spotlight—  
Rotary Club of  
Waynesboro and F & M Trust  
...Helping to Introduce Nature's  
Wonders to Some of our  
Youngest Visitors!**

EDITOR'S NOTE: *Sponsor Spotlight* is a regular feature of this newsletter, highlighting Renfrew Institute's programs or events and their underwriting sponsor(s). The generosity of these sponsors enables the institute to offer a variety of educational activities to our community.

Since 1990, Rotary Club of Waynesboro has been a supporter of Renfrew Institute's programming for children. They began by underwriting the sixth grade program, *Discovering Wetlands*. With Rotary's help, the *Wetlands* program became solidly established. In 1994, Rotary helped the institute launch a new, year-long environmental program for kindergarten students entitled *Earthseekers*.

It represented a departure from the traditional two hour program format used in other Renfrew offerings.

Terry Eisenhauer, long time Rotary member and treasurer, offered the following remarks.

"Rotarians have historically been very strong supporters of the education of our children, the environment and the fostering of family activities; thus, *Earthseekers* is a perfect match. Many of our

Club's 80-plus members, including myself, have had wonderful stories related to us from our children as to ...what they had learned from Mother Nature in an environment which takes them out of the traditional classroom."

The *Earthseekers* program ties the nature center (Renfrew), school and home together to create a comprehensive learning experience. At Renfrew, students meet the puppet character, Mother Nature, and her marvelous



Standing with a group of *Earthseekers* students, Mary Beth Hockenberry of Waynesboro Rotary (left), and Karen Davis of F&M Trust (right).

Wonder Trunk. Through seasonal activities using the five senses, the students train to become "certified Earthseekers."

At school, children anticipate "Earthseeker Time" as letters from Mother Nature arrive. A classroom Wonder Box holds special tools for outdoor activities in the schoolyard.

Parents play a special role, too. During the year, children share "Wonder Work at Home" activity sheets with family members. These simple activities provide reinforcement for concepts learned at Renfrew and at school.

F & M Trust has also been a long-time supporter of institute activities, having contributed to *Earth Celebration Day* since 1992. Beginning in 2000, F & M Trust embraced an appeal by the institute to co-sponsor the *Earthseekers* program. Their ongoing support has enabled the institute to continue welcoming some of our youngest student naturalists.

Karen Davis, Community Office Manager of F & M

Trust, underlines the goals of the *Earthseekers* program. "F & M Trust is pleased to have the opportunity to support this program. We feel that *Earthseekers* offers, what is for many, the beginning of an experiential journey in the discovery, appreciation and celebration of nature. This journey not only includes the children participating in the program, but also their parents and families. It is with great pride that we support the *Earthseekers* program,

a program that touches so many of the children of our community."

Renfrew Institute greatly values the long term relationships we enjoy with F & M Trust and Rotary Club of Waynesboro, and is grateful for their generous support of our most important work, education of the children of our community.

Tracy Holliday

### Correction

In the last issue of *Streamside*, an article on the institute's interns mentioned that Jenne Esser was working with the students of a Waynesboro Area Middle School science teacher. Teacher **Brian Flickinger** was incorrectly identified as Brian Fett. Your editor apologizes for the error and any confusion it caused.

## Thanks

...to **Colleen Larson, Mary Ann Payne & Pat Heefner** for hours of weekly volunteer work.

...to **Pat O'Connor** for donating time and materials to install wire cage protectors for new tree seedlings near the Antietam Creek.

## Renfrew Institute Members & Sponsors: 2002-2004

\* = Honorarium—for donation of special time, talent and/or materials. Includes 2002-03 members and new/renewed for 2003-04.

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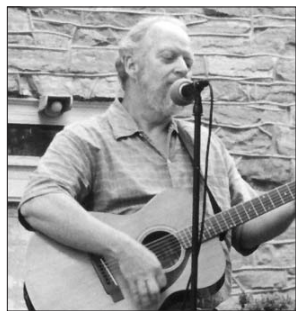
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The Von Rembow Family

(continued on pg. 13)





## Tom McFarland Wears Many Hats at Renfrew Institute



Artist, musician and teacher, Tom McFarland has brought enthusiasm and multiple talents to Renfrew Institute for over a decade.

"I can hardly remember the first time I came to Renfrew...it seems like I have always been involved with the institute," Tom said.

That involvement has extended to many institute activities.

Tom was born in Sharon, Pa. He holds bachelor's and master's degrees in fine arts from the Maryland Institute College of Art in Baltimore. After teaching in Baltimore for several years, Tom came to Waynesboro in 1969, where he is an art teacher at Waynesboro Area Senior High School.

His 39-year professional career included a 10-year hiatus from teaching, devoted full time to his art, mostly sculpture. However, Tom kept a hand in teaching during that period, he said. "I taught classes with gifted students at Mont Alto campus and at Hagerstown Community College."

It was as a teacher and an artist that Tom first helped with an institute event. "I did the first flute [adult education] workshop with Patric Schlee," he said. "Pat taught me how to make an ocarina, a clay flute." Since then, Tom has participated as instructor in many adult education workshops.

Tom's musical talents have also been employed at Renfrew. "I have performed at many of the Earth Day celebrations," he said. Tom, who has played guitar "for 55 years," occasionally writes songs, as well. He wrote a special song in honor of Renfrew Institute's tenth anniversary, and performed it for an appreciative audience during the anniversary celebration in July, 2000.

Tom conducts children's sculpture and painting workshops during the institute's annual Youth Festivals. He also serves on the Bay Supper Fund Raiser committee, helped build the pumpkin-hurling trebuchet and volunteers every year at Pumpkin Fest.

"I love Renfrew," he said. "People speak of it as being the 'crown jewel' of Waynesboro, and it is. Whenever I have visitors from out of town, I always take them to Renfrew."

As for his ongoing involvement with the institute, Tom said, "I just have had a lot of fun there. It's a fun place to be."

## STAFF FIELD TRIP— Water...Connecting the Drops

On a cold January afternoon, about a dozen Renfrew Institute staff members and Water Strider students took a field trip to Waynesboro's Water Treatment and Sewage Treatment Plants.

Tours of both facilities were led by Operations Manager, Gordon Cruickshanks, and were arranged by institute faculty member, Lori Schlosser.

The group learned first-hand how the borough is supplied with water—from its entry into the reservoir, through a series of treatment processes, to the water taps in our homes and businesses.

Waynesboro's water supply comes from surface water, not wells, and is naturally very "soft" with few minerals. The Waynesboro Reservoir and Water Treatment Plant are located in Micheaux State Forest. The borough owns six acres around the plant and 1,000 acres upstream. The reservoir, created in 1951, collects water from the 11-square-mile watershed upstream from the plant.

Reservoir overflow enters the plant as "raw water," where it begins the 3-hour process to become clean water.

The 1993 treatment plant uses state-of-the-art technology. Raw water is first treated with chemicals, including chlorine, fluoride, corrosion inhibitors and lime. Treated water then goes through a "backwash" process, followed by filtering through layers of anthracite coal, sand, and gravel. Once clean, the water enters a clear water holding tank from which it is pumped into the borough.

At least every hour, water samples are tested manually in the plant's onsite lab. Computer analysis and monitoring are also an integral part of the process.

The treatment plant services 12,000 customers in the borough. "Finished" or clean water flows from the plant at an average rate of 1.2 million gallons per day—far below the capacity of the treatment plant. The plant is projected to be adequate for local water requirements until at least 2030. This projection includes consideration of the additional load of proposed new development users.

The field trip continued to Waynesboro's outdoor Sewage Treatment Plant, where waste water is cleaned, processed and eventually released into the Antietam Creek.

Waste water from households in the borough enters the treatment plant through the sewer system at the rate of 800,000 gallons per day, well under the plant's 1.6 million gallon capacity. Storm runoff does not pass through the treatment plant.

A series of steps separates and removes organic and inorganic solids from the water, resulting in "gray water." The gray water goes through clarifying tanks to remove more matter, then through a complex filtering system.

Once treated, the water is released into a discharge stream, which was constructed for borough storm water runoff. Several miles downstream it enters the East Branch Antietam Creek.

(See field trip photos on page 9)



## New Sponsorships

Long time member and institute supporter, **Martz Plumbing and Heating, Inc.** has expanded its generosity to include a sponsorship gift in support of *Streamside*. Wayne Martz personally delivered a check, and expressed his desire to make a difference in educational opportunities for children. He had made an earlier professional visit to the park and saw students engaged in institute programs. He felt on the spot that "that was it"—the institute was something he wanted to support. We thank the Martz's for their gift and look forward to their continued involvement in the Renfrew Institute "family of members."

A gift from an **anonymous donor** was received in support of the publication of our promotional brochure, which was completed during the past year. This generous gift enabled us to produce a higher quality brochure in full color. We are delighted to have accomplished this important project. Thank you!

## Helping Renfrew Institute Grow... ♦ Leonora Bernheisel, proprietor of Mary's Delight Farm, Renfrew

Institute board member, and longtime institute supporter has extended her giving to yet another area in support of the institute's farmstead programming. Lee has long supported the *Wool Culture* program, along with a faculty chair position for the Director of Cultural Studies. This fall, she added support for the new program, *Royer Legacy*. Lee said she was happy about supporting this opportunity for students to visit the Royer House Museum, and especially embraced the idea of a partnered activity between the institute and the museum. Thanks, Lee, for all you are doing for Renfrew Institute.

### Continuing Generosity...

We thank the following sponsors who were able to increase their gifts to help the institute keep pace with growing numbers of students served, and the increasing costs of producing our programs.

- ♦ **Leonora Bernheisel**—*Raising Clothes: Wool Culture of the Pennsylvania Germans*
- ♦ **Grove-Bowersox Funeral Home**—*Fall Walk*
- ♦ **Jerr-Dan Corp.**—*Lifesavers of the Chesapeake Bay*
- ♦ **Doris Large**—*Park Ranger Training Program*
- ♦ **State Farm Insurance Co.**—*Marvin Visits Earth*
- ♦ **Waynesboro Construction**—*Sidney's Wonder Web*

## St. Andrew Church Alternative Gift Fair

*Congratulations!*... to the St. Andrew Church CCD class and catechist, Emelda Valadez for organizing and implementing the first Alternative Gift Fair which was held in the church all-purpose room on Sunday, November 23, 2003. Renfrew Institute took part in the fair which featured displays by local, national and international non-profit organizations. Shoppers made donations to the organization(s) of their choice receiving gift certificates notifying the recipient of a gift given in their honor. Each donation to the non-profit was designated for a particular purpose, making the gift more tangible.

Thanks to the following shoppers who "purchased" items for Renfrew Institute:

- ♦ **Martha Coda**— sit-upon cushions ♦ **Leslie Kotlanger**— kid-size garden shovel ♦ **Andrew Richwine**— German sauerkraut cutter ♦ **Angela Rocks**— sit-upon cushions ♦ **Emelda & Mark Valadez**— photo processing



See related article, page 8—  
(Left) Lori Schlosser climbed way way up to investigate a trickling filter tank at Waynesboro's Sewage Treatment Plant.

(Center) Tour leader Gordon Cruickshanks points to a circular secondary clarifying tank, a final step in the water clarifying process.  
(Right) Gordon Cruickshanks shows Water Strider student, John Tabor, a polymer tank. The chemical polymer is used to aid the clarification process at Waynesboro's Water Treatment Plant.





**Magic Spot Reflections**

These pages contain poems inspired by the beauty of nature at Renfrew Park. Students and teachers attending the 4th grade program, *Green Energy*, are encouraged to record their thoughts or write a poem during "Magic Spot" time. The poems, written in the Fall of 2003, are unedited.



"Sun Center"  
It is cool  
the sun is lovey  
the sun is  
coming out.  
*Samantha,  
Fairview Elementary*

The sun is my frind  
it gives me energy  
It always make me smil  
it makes me happy.  
*Nicholas,  
Fairview Elementary*



My magic tree  
is where I want to be.  
I like to see what it looks like  
It's even better than my bike  
I love to watch the leaves fall off  
I hope they don't hit a rock  
My wish is not to cut it down  
Or I will have a big frown  
So I really like my tree  
Who I one day would like  
To see here again at  
Renfrew Park.  
*Erin, Fairview Elementary*

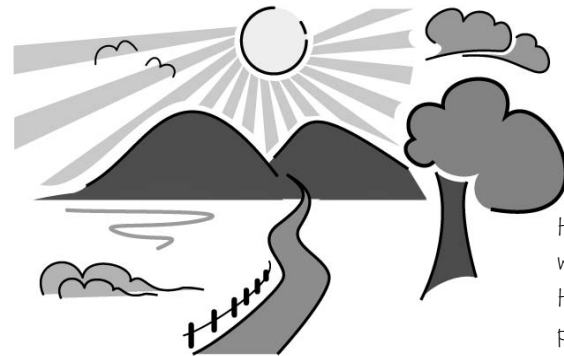
Quiet soft differnt  
Nice loud pretty slow  
rough flowly happy  
windy cold.  
*Calvin, Fairview Elementary*

One day in fall  
I saw a butterfly on the wall.  
It didn't move it didn't crawl.  
I was the only thing that he saw.  
About 10 minutes later  
he fell off the wall.  
I chased him out and  
without a dought he left me.  
*Bradley, Hooverville Elementary*

Scedr scader went the leavs.  
I herd the creek go pater  
pater. The nice cool wend felt  
good across my face. I love  
my spot that's made for me!  
—*Hope, Fairview Elementary*

It's relaxing at my magic spot.  
There's nature all around me.  
I'm sitting at my magic spot.  
Is it relaxing to you?  
*Braedon, Fairview Elementary*

Sounds  
delightful  
and peaceful  
are around you.  
Birds, bees and maybe  
even trees.  
Listen, I heard  
a bird, and its  
delightful sounds.  
*Kelli, Hooverville Elementary*



Here I sit at my tree  
with the sun shining down on me.  
Here I am with nature's song  
playing just for me.  
*Stacey, Hooverville Elementary*

Lovely sounds whispering  
in my ear. All you hear  
is a sweet melody  
Water flowning everywhere  
Listening is great to hear  
a lovely symphony.  
*Celsea, Fairview Elementary*

There once was a callipiller  
as fizee and So  
if he was white  
and nice and he was cute.  
*Christina, Hooverville  
Elementary*



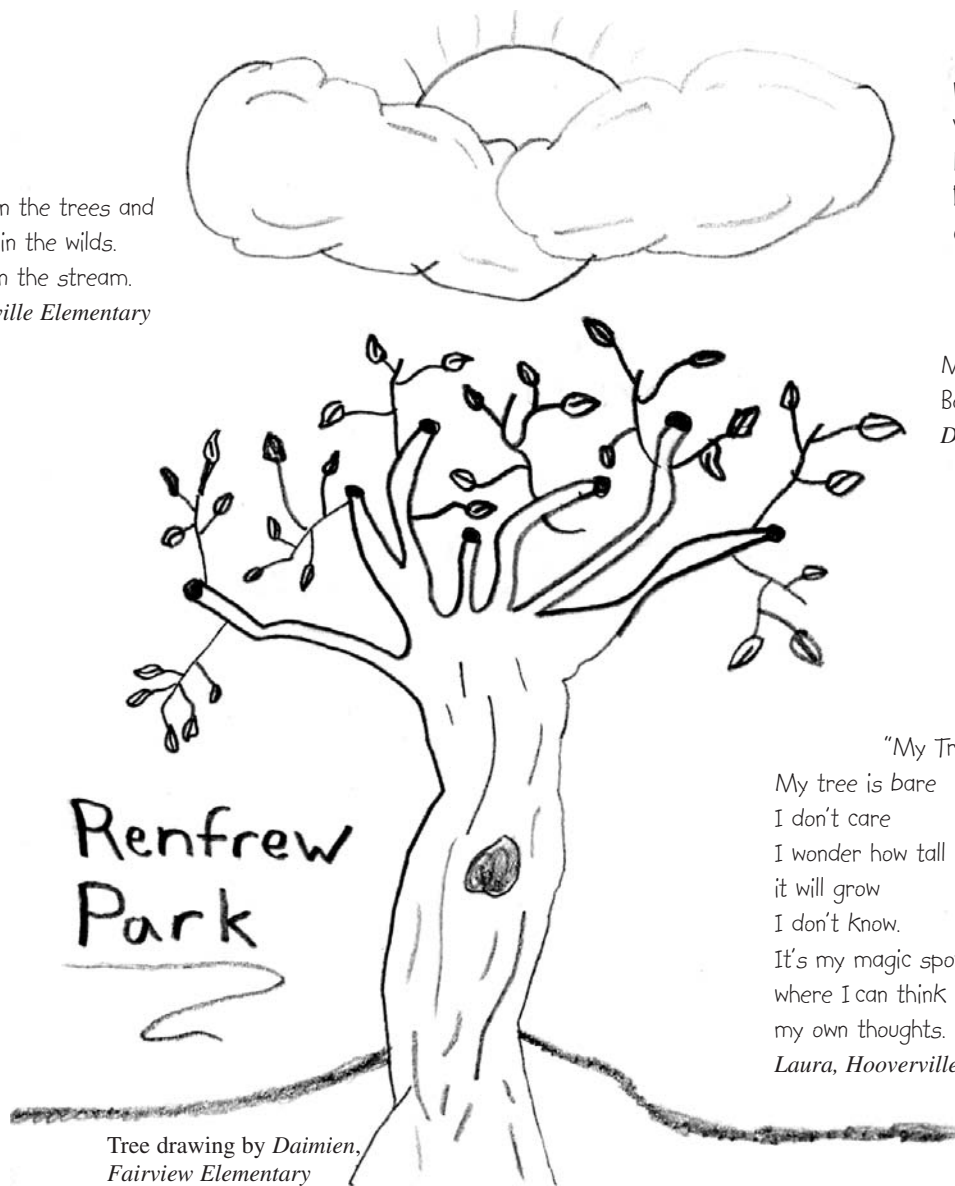
"My Little Furry Friend"  
My little furry friend,  
looked like a cat a pillar  
But my little furry friend  
looked quite fumlilar.  
My little furry friend  
Was offly quite stiff.  
So I took a little sniff.  
But it was all just to be a trick  
My little furry friend  
Turned out to be a stick.  
*Morgann, Hooverville Elementary*

The wind is music,  
Natures symphony is soft.  
I hear as soft chirp.  
*Haley, Fairview Elementary*

I love my magic spot, it has a hole.  
I love it so much because it is quiet  
and peaceful.  
*Kelsey, Fairview Elementary*

Renfrew  
Park

Tree drawing by *Daimien,  
Fairview Elementary*



Roses are red  
Violets are blue  
Nature's song is  
Playing Just for you.  
*Cody, Hooverville Elementary*

"My Tree"  
My tree I will visit day and day  
Because it is the sourse of me.  
*Dylan, Fairview Elementary*

It is quiet. Hot and cold.  
There's a gentle breze in the air.  
It is getting quieter and quieter.  
*Angela, Fairview Elementary*

"My Tree"  
My tree is bare  
I don't care  
I wonder how tall  
it will grow  
I don't know.  
It's my magic spot  
where I can think  
my own thoughts.  
*Laura, Hooverville Elementary*

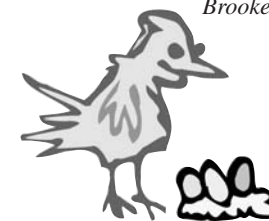


I see I see a yellow jacket  
buzzing around me.  
See he doesn't bother me.  
*Tifeni, Fairview Elementary*



The flowers are growing,  
bark is brown  
The stream is flowing,  
What a beautiful sound.  
*Kimi, Summitview Elementary*

My magic tree is where  
I want to be.  
If someone cut it down  
I will have a big frown.  
There is nature all around me.  
That's why this is my magic tree.  
The best place where  
my magic tree is at...  
where else?...renfrew park.  
*Megan, Fairview Elementary*



"My Magic Spot"  
Fun Happy Peaceful  
Sunny Dirty Wind  
Quiet Grassy Place.  
*Allyson,  
Fairview Elementary*

"My Magic Spot"  
I hear the wind rustling through the  
trees. A spider is looking for a home  
on a nearby tree. I see horseflies flying  
from leaf to leaf trying to get away  
from the wind. I hear a woodpecker  
pecking in a hollow tree.  
*Mackenzie, Hooverville Elementary*

I heard a stream waving  
A stream roaring like a baer  
A stream rough less at the little fish.  
*Jerica, Fairview Elementary*

"A Bird"  
Small, helpless a bird.  
Strong, mighty a bird.  
In the morning I hear its songs.  
I know that song can only come  
from a bird.  
*Brooke, Hooverville Elementary*

My magic spot is silent, except for the speical floa of the river.  
My magic spot is warm because of the small stream  
of sun light seaping through the trees.  
My magic spot is perfect because I like all of these things.  
*Angelica, Fairview Elementary*





## Losing a Friend...

### Colleen B. Larson



We are missing someone very special at Renfrew Institute...a dedicated volunteer... Colleen Larson. Her death was a blow to all of us here and to many of you reading this. In earlier issues of *Streamside* we featured Colleen (and her husband Frank). You may remember reading about her—

how she showed up every Wednesday to volunteer—helping with so many tasks related to school programs and office operation. She was dependable. She was dedicated. She was a steward of the environment and a steward of both Renfrew Institute and Renfrew Museum.

Colleen cared about our kids' programs and she did much to provide props and booklets, data sheets and necklaces, corn cob bird feeders and photo collages. She had a hand in nearly every program at one time or another. But Colleen also cared about the Royer farmstead. She served on Renfrew Museum's gristmill committee in the 1980s, researching the mill site and helping with the archaeological work done during those years. She was an active member of the Toll Gate Garden Club and was also an instructor in adult literacy programs. Colleen's smile and sense of humor were contagious. Her passion for the environment and for her flower gardens was admirable and the focus of much of her activity.

We extend our deepest sympathy to her husband,



### Margaret Keller Memorial Program Fund Report

#### \$437 earmarked for new "sit-upon" cushions

Total income of \$437 from the Margaret Keller Memorial Program Fund for 2003-04 will be used to help purchase 200 new sit-upon cushions for use by students during the institute's outdoor programs.

The fund, established in 2000 through a bequest from long-time institute member and friend, Margaret (Margy) Keller, is held in a secured investment with the income used annually to purchase equipment or complete projects that directly effect the school children attending Renfrew Institute's programs. Donors wishing to help the fund grow may send a check (with memo "Keller Fund") in any amount to: Renfrew Institute, 1010 E. Main St., Waynesboro, PA 17268.

Frank and to daughters Chey Larson and Bonnie Larson Brogdon. We thank them for naming Renfrew Institute as a recipient for memorial gifts. Colleen is remembered fondly by our staff and will always have a place and a presence at the institute... especially on Wednesdays.

Melodie Anderson-Smith

*Thank you to the following who have made donations to Renfrew Institute in memory of ...*

#### Colleen B. Larson

George & Marty Buckey  
 Jim & Bonnie Larson Brogdon  
 Bruce & Dori Francis  
 Mr. & Mrs. R. Gordon Heidelberg  
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 Sandra & Bruce Schaeffer  
 William O. & Doris S. Spangler  
 Toll Gate Garden Club

*A donation has been made to the institute in memory of...*

**Robert F. "Soaps" Unger**  
 by Judge John W. Keller

### Tributes—a way of recognizing someone special through a gift to Renfrew Institute



A **Star Tribute** in honor of **Karen Manderson** has been given by Afton Clevenger.



## WELCOME

### New Members!

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

Bruce & Dori Francis  
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\*\* Educational programs for school children

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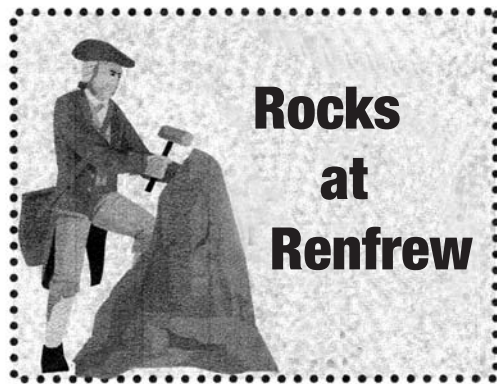
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**Maxwell Law Offices - Promotional brochure**  
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**Waynesboro Construction Co., Inc. - Sidney's Wonder Web\*\***  
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Did you know that the Appalachian Mountains of today were once comparable in size to the Himalayas?

Did you know that glaciers never reached this area of Pennsylvania and yet the rocky ground in Pennsylvania was caused by the close proximity of glaciers?

Did you know that limestone found in the outhouse of the Royer home in Renfrew helped archaeologists date the structure?

These facts and many more can be found in a new brochure on the *Rocks at Renfrew*, created by institute intern Jennifer Esser. The brochure takes a look at the historic geology of our region and its cultural impact on the Renfrew property.

"It is easy to take for granted the rich and powerful past that formed the mountains and topography in the area that we in Waynesboro call home," the author notes. "Even those with an interest in local geology may find it difficult to grasp the magnitude of natural history present at our doorstep."

Local geology has had a profound influence on the current and historical uses of the rich land in our area, including the Renfrew property. According to the brochure, "The predominant limestone bedrock in our region produces a rich and fertile soil that has been drawing farmers here for centuries."

Let us share the interest and excitement of geology with you this spring! *Rocks at Renfrew* offers an understandable and fun glimpse at what happened in Renfrew's geological past. Brochures are available inside the visitors center.

[Ed. note: See calendar of events for information about the "Renfrew Rocks" geology program scheduled for March 18 & 20.]

**Renfrew Institute's Seventh Annual Chesapeake Bay Supper Fund Raiser**

"Super Crab" says:  
Mark your calendars now! S.C. & his committee have some fun new ideas—this event is sure to be all it's "cracked up" to be!

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

**FRIDAY, JUNE 25, 6 PM • WAYNESBORO COUNTRY CLUB**

### Water Striders Still Making Strides

This fall, Renfrew's Water Striders group continued testing water quality in the East Branch Antietam Creek and exploring the world of the watershed! For instance, did you know that you could take approximately 108,616 baths just from the water that ran off of Renfrew property from rainfall caused by hurricane Isabel!!! This was one of many facts we examined as we took a field trip around Waynesboro investigating the impacts of land use and development on runoff and water quality. (See photo below and related photos on page 15.)

We are continuing to monitor Antietam Creek through the winter and further explore aspects of the watershed including geology and morphology. We invite any middle or high school aged students to come and join us! For more information please contact Jennifer Esser at 762-7582.

Jenne Esser

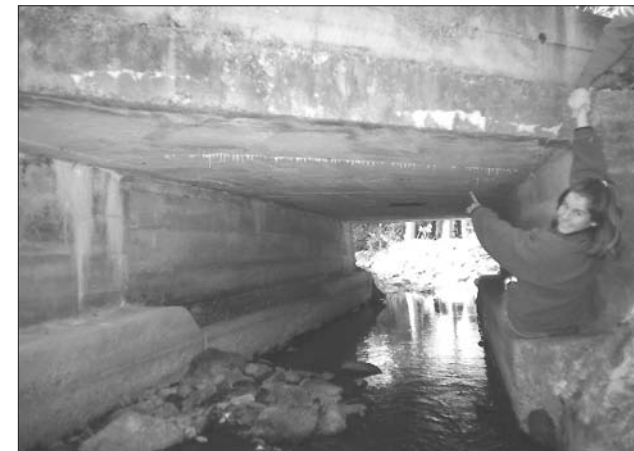


Water Striders calculate stormwater runoff from a paved parking lot, discuss possible impacts on the local hydrology and examine structures installed to help mitigate such impacts.

### A Special Thank You!!!

I just wanted to take the opportunity to thank the staff of Renfrew for the incredible internship experience I have been a part of these past eight months! Having the chance to work with and learn from you has been an eye-opening experience in the educational, environmental and working world! The encouragement and overwhelming sum of knowledge you have given me from environmental education to cultural heritage of the area to random facts for fun have bettered me as a person and as a new educator entering the field. It has been such an enjoyable, challenging and exciting time with you! I so look forward to my future involvement with you and Renfrew in whatever that might be. Thank you once again—you are all the best! ~Jenne

### What's Under the Bridge?

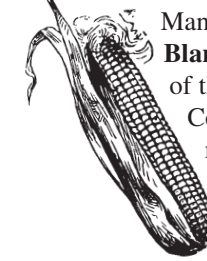


(Above) Water Strider Emily Shipman points to a row of solidified mineral deposits found under a bridge along Old Forge Road in Waynesboro. The formations were created by dripping water which leaves mineral deposits behind, like stalactites in a cave.

(Below, left to right) Water Striders Jenna Miller, Emily Shipman, Gloria Showalter and leader Jenne Esser take a closer look at the "stalactites" they discovered on their field trip.



### The A-Maizing Monster Corn Maze



Many thanks to "Maze Master" **Garrett Blanchet** who created the mystifying Maze of the Rings design for 2003's Monster Corn Maze. The maze proved to be the most successful to date. Thanks also to Garrett for his work with the ever-popular pumpkin-hurling trebuchet—always a big attraction at the Pumpkin Festival.

Thanks are also due to **Debbie Pflager** for her tireless work as coordinator of both the Corn Maze and Pumpkin Festival. Her hard work and dedication enabled these two events to come off beautifully. After three years as coordinator of both events, Debbie is "retiring" from the corn maze portion of her "job." Hats off for a job well done!

### ★ VOLUNTEERS WANTED ★

A "Co-Organizer" for the 2004 corn maze is needed to work with Richard "Red" Mohn on this exciting project. If you are interested in helping, or even in just finding out what is involved, call the institute at 762-0373.



### Corn Maze and Pumpkin Fest Final Tally

Renfrew's Monster Corn "Maze of the Rings" and the Pumpkin Festival were smashing successes this year! Net profits from these fund-raising events were \$8,000 from the Corn Maze and \$5,000 from the Pumpkin Festival. Profits benefitted both Renfrew Institute and Renfrew Museum & Park.

Renfrew Institute Financial Statement 2002-03				
(July 1, 2002 - June 30, 2003)				
	Income		Expense	
Memberships	\$24,993		Salaries/benefits	\$ 81,645
Bequests, Memorials	4,962		(includes FICA, Medicare)	
Student Fees	21,119		Special Events	4,449
Grants/Sponsorships	19,041		Fund Raisers	9,603
(educational programs/publications)			Suppl., Printing, Postage	9,662
Grants/Sponsorships	5,860		(programs, office, newsletter, etc.)	
(special events)			Professional Devel.	573
Fund Raisers (Pumpkin Fest, Corn Maze, Bay Supper)	19,070		Admin. (acc't. fees, BCO-10)	900
Endowment	5,945		Phone/Internet	899
Other (workshops, special projects, computer fund, interest, misc. donations, etc.)	1,497		Insurance	1,490
Money Market Transfer	5,000		Consultant (computer/publ.)	574
			Endowment (add to fund)	5,945
			Other (special proj., bank fees, equip./maintenance)	2,889
<b>Total Income</b>	<b>\$107,161</b>	<b>Total Expense</b>	<b>\$118,629</b>	

**RENEWAL REMINDER:**  
Please check the back page of this newsletter. If you see a green Earth Stamp (like the one below), that means you have not yet renewed your membership for 2003-04. Please do...we need your support. Thanks!



## Institute: Organization & Volunteers for 2003-2004

### BOARD OF DIRECTORS

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Allison Kohler, *Vice President*  
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M. James Rock  
Stephen A. Rost  
Donna H. Steiner  
Linda F. Zimmerman

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Sherry Hesse, *Director of Cultural Studies*  
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Beverly McFarland, *Accounts Manager*  
Andrea Struble, *Public Relations Director*  
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Nancy Hall, *Faculty*  
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Virginia Rahn, *Faculty*  
Edna Rice, *Faculty*  
Pamela Rowland, *Faculty*  
Lori Schlosser, *Faculty*  
Nora Slick, *Faculty*  
Holly Smith, *Graduate Intern*  
Angela Zimmerman, *Faculty Reserve/Newsletter Ass't.*

### Accounting Consultants

Linden A. Showalter, CPA  
Michael S. Snyder CPA

### VOLUNTEERS

#### Educational Programs & Office Assistance Volunteers

Louanna Dennis  
Mark Fries  
Pricilla Harsh  
Pat Heefner  
Carol Henicle  
Katie Keller  
Allie Kohler  
JoAnn Kohler  
Colleen Larson  
Frank Larson  
Tom McFarland  
Edward A. Miller  
Mary Ann Payne  
Eunice Statler  
Angela Grove Weagly

#### Adult Education Committee

Tim Rahn (Chr.)  
Leonora Bernheisel  
Garrett Blanchett  
Phyllis Brothers  
Marie Campbell  
John Elder  
Tom McFarland  
Edward C. Miller  
Willard Rahn

#### Ad-hoc Institute & Museum Facilities Committee

Allison Kohler (Chr.)  
Leonora Bernheisel  
John Blubaugh  
Robert Brown  
George Buckley  
John W. Keller  
James Rock  
Tim Rahn  
Jim Ross (Museum Curator)  
John Frantz (Sup. Bldgs. & Grounds)

#### Development Committee

Steve Rost (Chr.)  
John Blubaugh  
George Buckley  
Allie Kohler  
Tim Rahn  
Steve Rost

#### Facilities Committee

Allison Kohler (Chr.)  
Leonora Bernheisel  
John Blubaugh  
John W. Keller  
James Rock  
Tim Rahn

#### Finance Committee

John Blubaugh (Chr.)  
Tim Rahn  
Steve Rost

#### Membership Committee

Edward C. Miller (Chr.)  
Liane Benchoff  
Barbara Bowersox  
Angela Grove-Weagly  
Carol Ann Henicle  
Edward A. Miller  
Clayton Moyer  
Debbie Pflager  
Willard Rahn  
Christopher Richwine  
Eunice Statler

#### Nominating Committee

Linda Zimmerman (Chr.)  
Dudley Keller  
Allison Kohler  
Edward A. Miller  
Eunice Statler

#### Special Events Committee

Susan Shull Murphy (Chr.)  
Barbara Bowersox  
Allison Kohler  
Lynn MacBride  
Donna Steiner

#### Youth Education Committee

Charlene Good (Chr.)  
Susan Shull Murphy  
Pamela Rowland  
Donna Steiner  
Linda Zimmerman

#### YOUTH AFTER-SCHOOL/WEEKEND PROGRAMS & PRESENTERS

Jenne Esser & Angela Zimmerman—*Water Striders*  
Sterling Buzzell, Ernie Brockman, Adam Rettig—*Youth Fly Fishing Course*

#### ADULT PROGRAMS & PRESENTERS

George Hurd—*Backyard Composting Workshop*  
William Webster—*Return to Mars: The "Invasion" from Earth Begins*  
Tom McFarland & Tim Rahn—*Gourd Thumb Piano Workshop*  
John Newcomer—*Furniture Styles: Folk & Formal*  
Sterling "Buzz" Buzzell, John Adams & John DeMars—*Fly-tying Workshop*  
Lori Schlosser—*Owl Walk*  
Joyce Stuff—*Bluebird Workshop*  
Willard Rahn—*Spring Birdwalks*  
Andy Smetzer & Tri-State Astronomers—*Spring Star Party*  
Jeff Rhodes  
Andy Smetzer

#### SPECIAL EVENTS:

#### VOLUNTEERS & PRESENTERS

*Annual Renfrew Fun Fly*  
Bill Flohr (Chr.)  
Tina Flohr  
Tessie Flohr

#### Children's Summer Stories

Claire Hunter (Chr.)  
Jean Cashine  
Dorothy Fawks  
Lauren Fawks

#### Earth Day 2003

Beth Ann Firme (Co-Chair)  
Christopher Firme (Co-Chair)  
Bonnie Bachtell  
Bob Backer (electric & cooking oil powered John Deere)  
Jaime Baker (PA Cleanways & PA Sled Dog Club)  
Bill Barns (Hagerstown Honda)  
Candy Bennett (Antietam Humane Society)  
Vertis Bream (Energy Options)

Judy Bricker & Maggie Cisar (Flower Buds – Wetland Gardens)  
Sterling Buzzell & Sam Rock (Antietam Fly Anglers)  
Sherry Clayton (Franklin Co. Planning Commission)

Ruth & Stanley Davis (Population Connection)  
Shawn Dennison (Scott Key Center—rain barrels)

Rick Devore (PA Dept. of Environ. Protection)  
Paul Dyer & Lisa Collins (Freedom Electronics Recycling, Inc.)

Warren Elliott, Cheryl Plummer & Robert Thomas (Franklin Co. Commissioners)

Kathy Fotheringham (Antietam Girl Scout Neighborhood)  
Mark Fries (Water Striders)

Doris Goldman (Invasive Plant Control)  
Sherry Hesse  
George Hurd (Franklin Co. Cooperative Extension)

Bruce Kile (PA Bureau of Forestry)  
Bert & Ann Kramer (Annapaca Farm)  
Barbara Layman (Amer. Lung Association)  
Russell & Florine Long (Long's Tree Service)  
Karen Manderson (seated massages)  
Kal Marcus (The Herb Corner)  
Terri Martin (Smithsburg H. S. Leopard Band Boosters)  
Chris Mayer (Franklin Co. Master Gardeners)  
Tom McCarty (Cumberland Co. Ag. Ext. Groundwater Exhibit)  
Bev McFarland  
Susie Murphy  
Steve & Colleen Rettig, Pat & Bruce Francis (Antietam Watershed Assoc.)

Mary Ellen Selvaggio  
Krista Smith & Daisy Troop #853 (skit & songs)

Marilyn Smith, Kathleen Kaminski & Ann Backer (Communities That Care)  
Mark Spurrier (Cunningham Falls State Park)

Matt Steiman & Jenn Halpin (Wilson College—Fulton Ctr. for Sustainable Living)  
Barry Stone (Rehabitat)  
Sue Thompson (PA Biodiversity Partnership)  
Amy Varley (Chesapeake Bay Foundation)

Rebecca Wertime (Alliance for the Chesapeake Bay)  
Kris Zaruba (Waynesboro Day Care Center—activities for children)

#### Halloween Storytelling

Susie Murphy (Chr.)

#### Jazz Festival

Andrew Sussman (Chr.)  
Liane Benchoff  
Barbara Bowersox  
Charlene Good  
Carol Ann Henicle  
Tracy Holliday  
Allie Kohler  
Emily Ledden  
Edward A. Miller  
Edward C. Miller  
Clay Moyer  
Susie Murphy  
Debbie Pflager  
Eunice Statler  
Donna Steiner  
Sally Sussman  
Nikki Sussman  
Linda Zimmerman

#### Youth Festival 2003

Krista Serpi (Co-Chair)  
Nora Slick (Co-Chair)  
Beth Angles  
Abbie Barnhart  
Linda Barnhart  
Angie Bonner  
Linda Custer

## Organization & Volunteers (continued from pg. 16)

Erin Donohoe  
Lisa Donohoe  
Jim Fleming  
Frantz Family  
Carol Henicle  
Katy Hill  
Ted Hillson  
Jeremy Hulse  
Jonathon Hulse  
Deborah Kissinger  
Emily Ledden  
Riley Ledden  
Tom McFarland  
Polly Oster  
Anita Pfeuffer  
Amy Presnell  
Tim Ratliff  
Alex Serpi  
Maggie Serpi  
Molly Serpi  
Greg Slick  
Eunice Statler

#### FUND-RAISING EVENTS

#### Chesapeake Bay Supper

Pat Heefner (Co-Chr.)  
Susan Shull Murphy (Co-Chr.)  
Diana Gunder  
Allie Kohler  
Joann Kohler  
Colleen Larson  
Tom McFarland  
Ann Miller  
Mary Ann Payne  
Reda Robinson  
Eunice Statler  
Andrea Struble  
Angela Grove Weagly

#### Bay Supper Patrons:

Garrett Blanchett & Elena Kehoe  
Bridget & Barrett Brown  
Jay & Pat Heefner  
Joann & Richard Hersh  
Lynn Y. MacBride  
Ed & Ann Miller  
Susan & Tom Murphy  
Betsy Payette  
Bill & Debbie Pflager  
Cheryl & Ken Plummer  
Tim Rahn & Nancy Hughes  
Willard & Virginia Rahn  
Dirk Schenck & Bea Bocalandro  
Bill & Lois Shull  
Joe & Laura Shull  
Karen & Chuck Sioberg  
Charles & Eunice Statler  
Victoria Turley  
Angela Grove Weagly  
Charles & Undine Warner

#### Bay Supper Raffle/Auction Donors:

Anonymous Donors  
B & D Lawn & Landscaping  
Marie Beck  
Borders Books Music & Cafe  
Rob Bostic—Waynesboro Country Club  
Jean & George Cashine  
The Country Corner—Gallery & Frame Shop  
Cozy Ivy Cottage

DeMory's Christmas On The Green  
Donna Dietrick—Longaberger  
Barry, Lisa & Erin Donohoe  
Dru's Books & Things  
Steve Graham  
Paul & Diana Gunder  
Linda's Hallmark  
Ron Harbaugh  
Tracy Holliday  
Harry & David's  
Karen's Framing  
Koons Crosscreek Gardens  
June Lanser  
Mary Little—Stenciling By Mary M & T Bank  
Karen Manderson  
Tom McFarland  
Olde Village Barn  
River & Trail Outfitters  
Ian & Reda Robinson  
Vilda Royer  
Snavely's Garden Corner, Inc.  
Bill VanGilder  
Village Florist & Gifts

Bay Supper Sponsors: See Sponsors List, page 13

#### Pumpkin Festival/Corn Maze

George Buckley (Co-Chair)  
Debbie Pflager (Co-Chair)  
Jason Piatt (Co-Chair)  
Garrett Blanchett (Corn Maze & Trebuchet, Chair)  
AARP South Chapter  
Agway  
Bonnie Bachtell  
Michelle Baranowski  
Marie Beck  
Liane Benchoff  
Cathy & Mike Bercau  
Leonora Bernheisel  
Mary Black & Beta Y Gradale  
Connor Blanchett  
Sean Blanchett  
John & Bobbi Blubaugh  
Jonathan Blubaugh & Friends  
Don & Dorothy Bollinger  
Barbara Bowersox  
Phyllis Brothers  
Marty Buckley  
Denny Cordell  
Phyllis Crosson  
George Crouch  
Becky Dietrich  
Bill Elden  
John Elder  
Audrey Eshleman  
Jenne & Nathan Esser  
John & Toni Fickett & Family  
Beth & Chris Firme  
Five Forks Fruit  
Kay & Paul Fontaine  
Bruce Francis  
Alan Frantz  
Alma & Herb Frantz  
John, Jean, Louise & Harrison Frantz  
Robert Fry  
W. H. Gelbach, Jr.  
Doris & Bob Goldman,  
Martin & Nathan  
Charlene Good

Nancy Hall  
Bobby Hamner  
John Hasty & Venture Crew 97  
Pat Heefner  
Glenn Herrod & B. Ridge FFA  
Sherry Hesse  
Katy Hill  
Ted Hillson  
Tracy Holliday  
Bill Hoopes & BSA Troop 97  
Katrina Hoopes  
Zach Hoopes  
Claire Hunter  
David Hykes  
Edgar & Ruby Hykes  
Ivy Hill Farms  
Karen Manderson  
Jessica Kauffman  
Nathan Kauffman  
Elena Kehoe  
George Kirk  
Deb Kissinger  
Stephanie Kober  
JoAnn & Allie Kohler  
Denny Koons  
Katie Koons  
Louise Kyser  
Colleen Larson  
Emily Ledden  
Riley Ledden  
Kenny Lemmon  
Tom Lowson & BSA Troop 32  
Lynn MacBride  
Nancy & Jeff Mace & The Parlor House Restaurant

Martins Food Store  
Alice McCleaf  
Mary Kay McCleary  
Michael McDonald  
Beverly McFarland  
Tom McFarland  
Joe & Rachael Meirose  
Guy Miller  
Edward C. Miller & Lydia Lander  
Richard & Wendy Mohn  
Clayton Moyer  
Susan Shull Murphy  
Roy & Doris Nester  
Alice Noll  
Delmos Oldham  
Jim & Evelyn Oliver  
Deanna Painter  
Anita Pfeuffer  
Bill Pflager & BSA Troop 19  
Daniel Pflager  
Julie Pflager  
Jason Piatt  
Tim Rahn & Nancy Huges  
Virginia & Willard Rahn  
Kay & Dick Ressler  
Jeff & Bonnie Rhodes  
Edna Rice  
Jim Rock  
Sarah Rock  
Mary Rocks  
Steve Rost & Sharon Allison  
Daniel Rost  
Carleen & Dave Russell  
Herb Sandifer & Waynesboro Construction Co.  
Nancy Savage  
Rodger Savage & Savage Family Pharmacy

Lori & Eric Schlosser  
Kurt Schlosser  
Sarah Schlosser  
Brenda Sebald  
Krista Serpi & Girl Scout Cadet Troop #997  
Bill Shank  
Marcy Shea  
Laura Shull  
Lois Shull  
Ed Simmers  
Jen Simmers  
Nora Slick  
Job Slick  
Luke Slick  
Eunice & Charlie Statler  
Doug Stine  
Donna & Bob Steiner  
Roy Stoner  
Suzanne Stremme  
Andrea & Roy Struble  
Sally Sussman & Jack Gaughen Real Estate agents  
Tina Swink  
Chris Unger  
Sue & Meghan VonRembow  
Pete Walters  
Wayne Distributors  
Waynesboro College Club  
Angela Grove Weagly  
Sharon Weaver  
Phil Wert  
Louise West  
Sara & Neil Yost  
Linda & Bob Zimmerman

Thank  
You  
One  
&  
All!

(continued on page 17)



## Winter/Spring 2004 Calendar of Events



### Renfrew Rocks! –Geology Seminar & Field Trip

Thursday, March 18, 7 PM & Saturday, March 20, 8:30 AM

Underwritten in part by Walker & MacBride Offices, div. of Barley, Snyder, Senft & Cohen  
Geology professor, Jeri Jones presents an informative journey into the geologic history of our area. Thursday evening, a free slide talk in the Renfrew Visitor Center. Saturday, a field trip explores notable examples of special geologic formations in our local area. Participants may bring hammers & collecting bags (optional). Committee will provide carpooling. Field trip fee \$5.

### Adult Fly Tying Workshop—Beginners

Saturday, March 27, 9 AM–12 noon, Visitors Center

Presented through a partnership between Renfrew Institute and Antietam Fly Anglers

“Make and take” workshop led by Sterling Buzzell, President of Antietam Fly Anglers. Complete instruction, tying materials, tools and equipment provided. Fee \$12/members of Renfrew Institute, \$15/non-members. Pre-registration required. Ages 15 & up.



### Bird Walks at Renfrew



Saturdays in April & May, 7:30–10 AM

Underwritten in part by Walker & MacBride Offices, div. of Barley, Snyder, Senft & Cohen

Willard Rahn 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 to the public.

### Spring Lecture Series: Antique Furniture

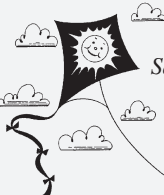
Thursdays— March, April & May [speakers & dates to be confirmed] 7:00 PM, Visitors Center

Underwritten in part by Charles and Undine Warner

Three specialists will help us learn about antique furniture—how to spot a bargain, how to judge quality, and care & restoration techniques. Sponsored by Adult Education Committee. Admission free.



### Eleventh Annual “Renfrew Fun Fly”



Saturday, April 3 or 17 (date to be confirmed—please call), 10 AM–4 PM

Underwritten in part by a grant from Buchanan Auto Sales

Kite flying (10 AM–4 PM) and children's kite workshop (11:00 AM–noon) with kiteman, Bill Flohr, in the meadow behind the museum house. Kite workshop material fee, \$1. No fee for free flying (bring your own kite). Open to all ages.

### Earth Celebration Day

Sunday, April 25, 1–5 PM, Visitors Center and park grounds

Underwritten in part by IESI PA and additional sponsor(s) to be announced.

Renfrew Institute celebrates the spring season with environmental exhibitors, student clothesline display, music and more. In cooperation with the Franklin County Commissioners and the Planning Department, the event will help recognize April as Franklin County's Earth Awareness Month. Rain site: Waynesboro Area Middle School. Free admission.



### Spring Star Party

Thursday, May 20 or Friday, May 21, 9 PM

Presented through a partnership between Renfrew Institute and Tri-State Astronomers

Join members of the Tri-State Astronomers for telescope viewing of the night sky. Scopes will be set up in the backyard of the Renfrew Museum house. Free and open to the public. No registration.

### Youth Festival 2004

Sunday, May 30, 1–5:30 PM

Underwritten in part by a grant from Citizens Bank of Southern PA

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



### Renfrew Institute's Seventh Annual Chesapeake Bay Supper Fund Raiser

Friday June 25, 6 PM, Waynesboro Country Club

Show your support of Renfrew Institute. Join us for an enjoyable evening of steamed blue crabs from the Bay, delectable side dishes and dessert, educational Bay displays, raffle, silent auction and other Bay-related activities. Reservations required. Cost to be determined.



### Jazz Festival

Sunday, August 22 (date to be confirmed), 2–4 PM

Underwritten in part by grants and sponsors to be announced

Renfrew Institute's thirteenth annual jazz festival featuring top professional jazz artists will be held on the lawn behind the museum house. Performance will include a single concert from 2–4 PM. In case of rain, the event will be held in the Waynesboro Area Middle School auditorium. Free (pending funding) and open to the public. Featured artists to be confirmed.



## WATCHABLE WILDLIFE— Pennsylvania's Economic Powerhouse



Watchable wildlife is an integral part of Pennsylvania's natural heritage and an important factor in the state's economy. According to *Keystone Wild Notes* (Fall 2003), “activities related to watchable wildlife recreation generated \$1.98 billion [yes, that's a “b”!] in economic activity in Pennsylvania during 2001.”

This information, the result of a recent analysis by Southwick Associates,\* demonstrates that watchable wildlife activities are a vital part of Pennsylvania's economy, as well as an important recreational resource for residents and visitors. At least one in three Pennsylvanians participate in wildlife-related recreation—ranking the state third nationally behind New York and California.

In 2001, watchable wildlife recreation generated \$961.7 million in total sales, including:

- \$83.4 million—food & drink
- \$18.5 million—lodging
- \$96 million—bird seed sales

Much of this spending occurs in rural areas, making it an important part of the rural economic base. In addition, almost 19,000 full- and part-time jobs were created statewide by the spending and activities related to watchable wildlife.

Both state and federal governments benefit from this activity. According to the study, watchable wildlife spending generated \$56 million in state sales tax revenue, \$14 million in state income tax revenue, and \$87 million in federal income taxes.

However, very little of this revenue goes back into supporting Pennsylvania's wildlife—in fact, no money from the state's general funds support wildlife agencies. The Wild Resource Conservation Fund is the most important state source of non-game wildlife funding. Much of its revenue is derived from the sale of special license plates and from donations on the state income tax form.

\*Southwick Associates is a Florida-based consulting firm. Data for the analysis came from the 2001 National Survey of Fishing, Hunting and Wildlife-Associated Recreation, a study completed every five years by the U.S. Fish and Wildlife Service.



### PA Wildlife Needs Your Help!

Remember to mark the check-off box on your state tax form to help preserve Pennsylvania's wonderful wildlife!

## AWA Spring: Riparian Plantings & Tour



The Antietam Watershed Association has several events planned for the spring/summer of 2004.

• **March 27:** Riparian planting project with the Chesapeake Bay Foundation and the Beaver Creek Watershed Association in Washington County, Maryland.

**April 24:** Riparian planting project with CBF and AWA along Route 316 in Franklin County.

It is vital that as many participants as possible turn out for these events, not only for the success of the project itself, but because AWA is given credit for the man-hours toward matching funds for grant applications. It is a fun time and a way to make new friends.

The Association is also planning a tour of the Chesapeake Bay Foundation's state of the art Philip Merrill Center in Annapolis. The trip will be highlighted by an excursion on the Bay aboard a skipjack.

For details and updates, watch for the Antietam Currents column in the *Record Herald*, or log on to [www.cbf.org](http://www.cbf.org) or [www.antietamws.org](http://www.antietamws.org), or call 717-762-9417.

Pat Heefner

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Deborah W. Pflager  
Donna H. Steiner  
M. James Rock  
Stephen A. Rost  
Linda F. Zimmerman

#### RENFREW INSTITUTE STAFF

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Tracy Holliday, *Assistant Director*  
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Edna Rice, *Faculty*  
Pamela Rowland, *Faculty*  
Lori Schlosser, *Faculty*  
Nora Slick, *Faculty*  
Louanna Sturm, *Volunteer Faculty*  
Angela Zimmerman, *Faculty*



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### Our Wish List...

- ❖ Book: *Hands-On Nature, Information and Activities for Exploring the Environment with Children*, edited by Jenepher Lingelbach & Lisa Purcell, Vermont Institute of Natural Science (new or used)
- ❖ One or two pairs of wool carders @ \$45/pair
- ❖ Children's scissors – new, need both blunt & sharp point, up to 20 pair
- ❖ Reproduction wooden bucket with rope handle (for use in farmstead school programs)
- ❖ Additional underwriting sponsor(s) for this newsletter (\$250 to \$1,000)
- ❖ Funding for 40 additional rain ponchos for use by school groups (\$400)
- ❖ Garden cart with bicycle-style pneumatic wheels (new or used, in good condition)
- ❖ WalkieTalkies – up to 4 pair (for use during corn maze operation and other special events)
- ❖ Card table
- ❖ Adjustable-arm desk lamp
- ❖ Book: *A Museum of Early American Tools*, by Eric Sloane, Ballantine Books, NY, 1964
- ❖ Book: *An Age of Barns*, by Eric Sloane, Ballantine Books, NY

### Wish List "Thank You"

- ❖ **Paul & Barbara Dunlap:** 3 books – *Applied River Morphology* by Dave Rosgen, *Moths and How to Rear Them*, by Paul Villiard, *How To Know The Spiders*, by William C. Brown
- ❖ **Martz Plumbing & Heating:** Sponsorship funding for this newsletter
- ❖ **Doris Goldman:** book – *Four Wings and A Prayer*, by Sue Halpern (butterflies)

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

- ❖ **Frantz Family:** loan of artifacts for use in the school program, *Field To Table*
- ❖ **Mark Mohn:** solid oak computer table, like new
- ❖ **Paul's Market:** discount on small pumpkins for *Green Energy* program
- ❖ **Phil & Jerry's Meats & More:** donation of Lebanon bologna for school program, *Field To Table*
- ❖ **Steve Rost:** purchase of the book *Foundation Directory*, to assist in grant-writing effort

*Don't forget to renew your membership for 2003-04!*



An "Earth Stamp" here means it's time to renew!

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# Streamside

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