



WCWANews

The White Clay Watershed Association a non-profit organization since 1965

Winter 1999

Border Crossings Trail Watch Programs are Growing

Upstream
Festival
Earth Day
April 17
Collection
Day
March 27th
Stroud
Water
Research
Center
details inside

It is amazing how an artificial line, like that arc from the center of New Castle (the Delaware/Pennsylvania border), can become a barrier. But, it is equally impressive how a really good idea goes right through barriers, and keeps on going, and going, and going; just as the White Clay Creek keeps flowing through that artificial barrier.

A little over a year ago the "Friends of White Clay Creek State Park" started a program called "Trail Watch" in the Delaware portion of the Preserve. The idea was to sign-up volunteers to "adopt" a section of trail. The individual's commitment was to walk the trail about once a month and do minor trail maintenance like picking up litter, trimming back green briars, and moving fallen branches off the trail. Additionally, the volunteer would drop off a trail report at the Park Office noting any major maintenance needs and trail conditions. Most of volunteers were walking the trails anyway, and this allowed the park staff to shift their efforts from inspection to actual maintenance. The result was cleaner, safer trails; and more timely fallen tree removal, drainage correction, and facility repairs.

Unfortunately, the program stopped at the state line, even though some of the trails continued across.

Last fall, the WCWA saw an opportunity to do what we do best - STUDY, EDUCATE, and FACILITATE. We

found the only real difference on crossing the border was that Pennsylvania requires volunteers to complete and sign the State Park Volunteer Form, so that they are covered under Pennsylvania's Workers Compensation Laws. But Delaware requires volunteers to sign a different liability release form so that the

"We now have volunteers for trails in the Preserve on both sides of the border"

Delaware liability aspects are covered. That big, bad arc was just a "paper tiger" when it comes to volunteering in both State Parks!

Because we are able to reach out to the entire watershed, WCWA ran an article in our fall newsletter describing the Delaware Trail Watch Program, and suggested volunteers contact the Pennsylvania Park Office if they were interested in signing up for a trail in the Pennsylvania portion of the Preserve.

Guess what? We now have volunteers for trails in the Preserve on both sides of the border!

But, that original Friends of White Clay Creek State Park "Trail Watch" idea is still going, and going, and going. The winter edition of "Outdoor Delaware" carried an article that said, "...the Division of Parks and Recreation and Delaware Greenways, Inc., faced

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President's Letter

by Catherine Larmore

The White Clay Watershed Association's Stream Watch Program in Pennsylvania will continue in 1999 thanks to a grant from The Lang Family Foundation. However, the structure of the Program is changing in an innovative way. Instead of an all volunteer group processing samples monthly with a paid technical coordinator, we are setting up the program in a less stressful manner for those willing to donate their time and expertise. First, though the same number of sites will be collected, fewer will be studied on a regular basis. After collection, samples will continue to be split by hardworking WCWA member, Marna Goddard. Then, summer students working at Stroud Water Research Center will process the samples on a paid basis with oversight of Stroud staff. This will further the WCWA's mission of educational outreach by helping give these bright, young individuals an opportunity to explore aspects of a possible career while controlling program costs. The change in oversight also will further the academic integrity of our sound monitoring program. Volunteer stream monitoring programs such as ours are coming under increasing scrutiny on a State level.

However, we still need your help with two critical aspects of our Pennsylvania Stream Watch Program. We need 12 volunteers to help gather samples from the Stream on **Collection Day, Saturday, March 27th**. Volunteers meet at Stroud Water Research Center at 8:00 a.m.

and bring their own boots and lunch. The day is spent collecting stream samples with those gathered divided into small groups led by Stroud staff. Please give me a call if you are willing to get your feet wet!

Additionally, volunteers are needed to help WCWA Board member, Dave Hawk, process any remaining samples when the summer students conclude their grant work.

Another important aspect of the WCWA's work this year will be continued effort to educate neighbors and friends in our lovely valley about the opportunities created for us in regional cooperation through possible designation of the White Clay as a National Wild and Scenic River. If achieved, the White Clay will be one of 155 rivers to achieve national designation and one of only eight in the nation to involve two states, in our case Pennsylvania and Delaware. This model study, the first entire watershed to be studied, is also distinctive because it involves no existing federal lands. It also does not propose federal land acquisition for conservation purposes.

A Watershed Management Plan was developed with public input during the nine year Wild and Scenic study. It is totally non-regulatory in approach. Thus, it allows each of us to participate, according to our wishes in a greater or lesser degree, in maintaining the qualities that drew us to this special valley, and in conserving these resources for future generations.

We hope you will join us as volunteers and supporters of these worthwhile endeavors.

Upstream Festival Update

by Dale Hendricks

Join us for the 3rd annual plant sale on Saturday, April 17 at the Upstream Festival at the Stroud Center in Avondale. We will offer a wide variety of regional native plants for enhancing your home landscapes and riparian buffer areas. A wide variety of trees, shrubs, grasses and perennials will be offered at reasonable prices. Knowledgeable volunteers will be on hand to help with information and recommendations. Several excellent local and regional nurseries make this possible with their generosity. We hope to see you there!

Why Native Plants?

What do we mean by native? Plants that evolved nearby or in neighboring bioregions, or plants that were here when European settlers arrived. Natives are hooked into the regional ecology, feeding birds find what they need for their travels, Butterflies find the larval and adult food they need to continue the species. Wildlife from toads to trout require or prefer indigenous plants for food, shelter, nests.

From an aesthetic point of view, using native plants, wisely chosen and combined, brings a sense of regional harmony to the landscape, celebrating local uniqueness and moving us to more environmentally sustainable outdoor spaces.

Few native plant enthusiasts, certainly not this one, advocate planting only natives. This topic is very controversial in nursery and landscape circles right now. Many of our most beloved ornamental and food crops are of exotic origin, and it would be foolish to attempt to control what people plant. Having said that, several exotic plants have become invasive and

by Judy Shuler

Dorothy Miller tells me we're all downstream. Be that as it may, the Upstream Festival at Stroud Water Research is something you should not miss. Remember Earth Day? Well, some of us do. Coming on Saturday, April 17, 1999, Stroud has a truly wonderful tribute to the elements of earth and water. From 10 a.m. until 4 p.m. (rain or shine) at \$5.00 per car. Some Festival highlights include "Images of Nature" Art Show and Sale in the meeting house; Water Snapshot '99, Streamwatch collection; Native Plant Sale; Sam Lamm & the White Clay Tributary Band; Stream View Cafe (yum, yum!) and the Children's Poster Contest Exhibit.

The WCWA exhibits include our own Ginger North's "Stream Critters". Ginger will show and explain to all ages what constitutes the health of a stream. Dale Hendricks will be hawking native plants. Tom Zawislak will give us an update on the historical treasures of our watershed and I will be available with the "magic light board" to show you the wonders of our watershed.

Bring your family, tell your friends. I can personally guarantee a good time will be had by all!

spread rapidly, often choking out natives and making natural succession (the process whereby an unmowed field gradually returns to forest) a much slower, difficult and ugly proposition. The worst of these in our county are: multiflora rose (*Rosa multiflora*), Japanese honeysuckle (*Lonicera japonica*), Oriental bittersweet (*Celastris orbiculatus*) and Norway maple (*Acer platanoides*), these should not be planted and their removal, however difficult, is important and worthwhile.

In conclusion, it's time to get to know and grow your native flora!

'Judge Morris' Property Officially Transferred

The largest remaining open space land parcel (504 acres) along Kirkwood Highway has been preserved forever as part of White Clay Creek State Park in Newark.

The "Judge Morris" property was officially transferred on Friday, August 7 from the University of Delaware to Delaware State Parks. The purchase price for the property was \$12.5 million. Delaware State Parks (or the Division of Parks and Recreation within the Department of Natural Resources and Environmental Control) used Open Space Program funds for the purchase. Delaware Senator Thomas B. Sharp lent his unwavering support for this critical land acquisition to help make it a reality.

"After this transfer, White Clay Creek State Park represents the largest permanently protected block of public open space in Northern New Castle County," says Mark Chura, Manager of the Planning, Preservation and Development unit of Delaware State Parks. "This has tremendous regional significance because it is the most ecologically diverse tract of preserved land in New Castle County, a region surrounded by expanding urban and suburban development."

The transfer is momentous because it marks the end of a ten-year effort by Delaware State Parks. The goal of that effort was to acquire land to create a "land bridge" joining the Middle Run area with, what was then referred to as, Carpenter State Park. The park has doubled in size since 1989 and is now referred to as White Clay Creek State Park. The result of all these efforts is an open space corridor providing expanded recreational opportunities for people and pristine habitat for plants and animals.

Future Plans for the property include bringing the existing series of hiking and mountain biking trails up to Delaware State Park standards, continuing renovations of the estate mansion and out buildings for potential public use. Currently, \$250,000 in renovations on the house and property have been completed. The agricultural lands will continue to be tilled.

Living History Programs Big Success

During the first three weekends of this past December, Delaware State Parks ran a series of sold out living-history theatrical tours of the Judge Morris'. It was a first-time ever nostalgic Christmas festivity created by Fort Delaware State Park Staff Historian, Lee Jennings and his staff.

Visitors stepped into a time machine transporting them to Christmas 1939 as a living history actor "Mary Morris", the judge's daughter, lead guests on a tour of her home. Guests witnessed the era through the eyes and ears of those who were there. The house was decorated as it was 60 years ago with the news of the day playing on radios, the phenomenon at the time. Following the tour, everyone gathered in the living room for the traditional singing, cider and cookies next to a roaring fire.

More unique tours and interpretive programs are planned for the Spring . . . so keep you calendars open!!

Background:

The Morris Farm property is a 504-acre parcel of land formally owned by the University of Delaware lying within the White Clay Creek State Resource Area. It is now part of White Clay Creek State Park bringing the total acreage of that park to 2879, making it the 2nd largest state park in Delaware.

The property contains a state-recognized Natural Area encompassing a mature, diverse hardwood forest. This transfer forever protects the property's scenic vistas, mature forest, secondary forest, and farm fields. Pike Creek flows through the property. There are three single-family homes on the property, the most significant of which is the Andrew Gray House from the early 1800's and its associated buildings. It is eligible for listing on the National Register of Historic Places.

Judge Morris, a University of Delaware alumnus, and Chair of the Board of Trustees from

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1939 - 1959 was a prominent Wilmington judge and major contributor to the University of Delaware. He bequeathed the property to the school in 1966.

The Judge Morris Property is the largest remaining open space parcel along Kirkwood Highway. This property (504 acres) now combining with White Clay Creek State Park (2,375 acres) and in conjunction with New Castle County's Middle Run Natural Area (810 acres) protects almost 3,700 acres -- an oasis of contiguous open space and conservation land in northwest New Castle County.

Directions: From Wilmington go west on Kirkwood Highway and turn right or north onto Polly Drummond Hill Road. Turn right into the first driveway. It has a stone wall surrounding the drive. From Newark, go east on Kirkwood Highway and turn left or north onto Polly-Drummond Hill Road. Follow above directions.

The Jack Murray Scholarship Fund

This fund was established in memory of Jack Murray, our past president. Funds from this scholarship will be available for board members and other organization members to attend conferences, which further the Association's goals of water resource protection and land conservancy techniques.

The following persons have contributed to the Jack Murray Scholarship Fund:

Mr & Mrs William S Browne
David Hawk
Genevieve W Gore
Ms Catherine Larmore & Mr Thomas Beddall
Mrs Anne Murray
Shirley Nelson
Laurel Standley
Andrea Withers

If you wish to contribute, please send your donation to:

WCWA
Jack Murray Scholarship Fund
PO Box 10

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with miles of trails and not enough time, money or muscle to give them all the TLC they need, have decided to enlist the public's help with an Adopt-a-Trail Program."

Now, wherever your favorite hiking trail may be, you really can make a difference by volunteering to become a "Trail Watcher."

Here is where to make the contacts:

White Clay Creek Preserve in Delaware-
If you hike in the Delaware White Clay Creek State Park, contact the Park Office on Thompson Station Road to report trail problems. Call Chirista Stefanisko at 302-369-1933 to volunteer. Christa coordinates the Trail Watch Program for the Friends of White Clay Creek State Park.

White Clay Creek Preserve in Pennsylvania-
If you hike in the Pennsylvania part of the Preserve, contact the Park Interpreter at the Park Office on South Bank Road to report trail condition or to volunteer. For more information, call Bill Walsh, the WCWA contact for Trail Watch, at 302-731-5487.

Greenway Trails (Entire State of Delaware)-
If you hike on the Greenways Trail System, call Delaware Greenways at 302-655-7275 for an information packet and to volunteer. John Iwasyk is the trails coordinator for Delaware Greenways. You can report any trail problems to Delaware Greenways which is administering the program and coordinating the Delaware volunteer effort statewide.

If you read this far you are probably hiking the trails anyway, so why not volunteer? There is a lot of fun, healthy exercise, and a great deal of satisfaction in these programs.

Submitted by Bill Walsh

White Clay Creek State Park

Public Programs Text
March - May, 1998
Debbie Paruszewski

Thoroughly Thrilling Thursdays

Selected Thursdays

1 - 2 PM. Ages 6-8

2:30 - 4 PM, ages 9-16

This foray into the wonders of science and the natural world will thrill kids, ages 6-14, with experiments, hands-on opportunities, and outdoor explorations. Home Schoolers welcomed. \$2.00 per child, per class. Advanced registrations accepted with payments.

March 4: Exploring the Senses - Perform experiments related to sight, hearing, smell, and touch and find out about amazing and diverse adaptations of these organs of perception among various species.

March 11: Painting Skies - Learn to "Read the Sky" by recognizing the various cloud formations. Then, work with local artist Russell Stubbs to learn some basic techniques for painting beautiful skies in your landscapes.

March 18: Mason and Dixon Math and Maps - History, Geography and Math wrapped up in one very witty lesson.

April 1: Dinosaur Experiments - We'll use our favorite extinct creatures to learn graphing, and the relationship between surface area and heat loss as we try to discover the reason why some dinosaurs got to be so big!

April 15: Silent Sentinels - In this outdoor exploration of trees, we will look for patterns of growth, ecological relationships, and learn to apply the State Champion Tree Formula to measure a huge tree of our choice.

April 29: Pond Pondering - We'll hike to a small pond and wetland along the creek to discover the many intricacies of aquatic plant life and just who is living there.

May 13: Prehistoric & Historic Archaeology of Delaware - A basic understanding of cultural time periods in Delaware will be presented along with an archaeology lab reconstruction exercise.

May 27: Archaeology Dig - This mock dig will enable students to use the tools of the trade while exercising skills of measurement, mapping, and analogy to "put it all together" as they analyze their "site". Plan to get dirty.

Kids Nature Crafts

Saturday March 6, 1998 1:00 PM

Let's usher in the Springtime with a special presentation and craft activity in true White Clay Creek style! \$1.00 per crafter.

March Winds: Pinwheel Creations

Saturday, March 6, 1998

2:30 PM

Is March coming in with the roar of a lion or the bleat of a lamb? Join us in making a beautiful pinwheel to test the mighty breezes along with fun bubble-making activities. Materials fee: \$2.00

Geology of White Clay Creek

Sunday, March 7, 1998

12:30 PM

Brush up on your knowledge of local rocks and minerals as we explore the geologic origins of White Clay Creek and perform simple mineral tests to help you identify various specimens.

Skunk Cabbage Hunt

Sunday March 7, 1998 2:30 PM.

One of the sure signs of Spring is the beautiful eruption of purple and green spires through the frozen mires of the floodplains. Let's break out of our Winter confinement with this trek through the preserve in search of spring. Wear boots.

Trout-Fishing Training For Kids

Saturday, March 13, 1998

10:00 am

Get ready for opening day of trout season as we learn our trout facts, practice our casting, and try our luck! Bring your rod and reel. Some rods available for loan with registration. Ages 8-12. \$2.00.

Sketching Insects

Sunday, March 14, 1998 1:00 PM

A great way for beginners to learn observation skills, proportions, and basic forms in this pencil-sketching adventure.

Kite Flying Caper

Sunday, March 14, 1998

2:30 PM

Build it, launch it, and fly away on the drafts and currents of a White Clay Wind gust. The Ides of March winds can be challenging, so let's construct our kite indoors at the Nature Center before moving to the open spaces of Carpenter Recreation Area. \$2.50.

Introduction to Fly-Fishing

Sat., March 20, 1998

10:00 - 12:00 noon

For those who are dreaming of warm weather at the Preserve, where a stream definitely "runs through it", here's your chance to learn about fly fishing. This pre-season exploration of the sport with fly fisherman Ed O'Donnell will cover equipment, rigging, technique, and casting

practice. We'll have you breaking free of cabin fever and ready to go in April.

Eggs in the Nest

Saturday March 20, 1998 1:00 PM

Ages 4- 6

Let's explore the size, shape, and color of a rich variety of local bird's eggs and their nests. We will walk outside to gather natural materials for our own giant nest-building activity and munch on tasty crunchy nest snacks complete with jelly eggs! Limit 15. \$2.00/child.

In Search of Woodcocks

Saturday, March 20, 1998 5:30 PM

Those timberdoodle, big-eyed, bog-sucking mudsnipes! Name-calling this strange little creature by a host of folk names won't bring him out, but learning his habits and sounds will help in our expedition. Meet at the visitor center for "Woodcock Briefing" followed by a walk at dusk when this bird is most active. Bring flashlights.

Mason and Dixon Were Here: Post Marked West

Sunday, March 21, 1998 2:00

Meet at the Possum Hill Parking area for a guided hike to the "post marked west" set originally by Mason and Dixon as they camped at this 18th century farm site to observe the stars and make their survey calculations.

Courtship Chorale

Saturday., March 27, 1998 6:00 PM

The flood plains of the White Clay Creek ring out with the banter and songs of wildlife courtship in Spring. Meet at the Chambers Rock Road Parking Lot to discover these creek-symphony creatures. Wear boots.

Newark Department of Parks & Recreation Easter Egg Hunt

Carpenter Recreation Area

Ages: Toddlers - 9 years

Saturday, March 27, 1998

10:00 am -12:00 noon

Raindate: Sunday, March 28, 1998

2:00 PM - 4:00 PM

Mason and Dixon Were Here: Arc Corner Monument

Sunday, March 28, 1998 2:00 PM

An intriguing hike through a pine forest will lead us to the Arc Corner Monument where we will be able to stand with one foot in Pennsylvania and one in Delaware as we hear the tales about the arc and its role in the land disputes between Lord Calvert and William Penn.

Wildflower Walk

Saturday, April 3, 1998 10:00 am

Here's your chance to dodge the crowds of trout fisherman, and get a look at the beautiful bloomers along the trails of the new Judge Morris estate. We'll also explore this area for

giant trees, chattering squirrels, lush ferns, and catch a glimpse or two of newly arrived arblers, while we're there. Meet at the Carpenter Recreation Area, Rt. 896, and carpool in the park van. Please register.

Vacation Wildflower Walk

Wednesday, April 7, 1998 1:00 PM

Meet your guide in the Carpenter Recreation Area parking lot for an excursion over hilltop meadows and forested valleys in search of the most beautiful flowering spots you'll see anywhere in the region. Grab the whole family, visiting relatives, and neighbors too, for an enjoyable way to welcome the new life of Springtime!

Magic Science

Thursday, April 8, 1998 1:00 PM

In the great tradition of April Fool's Day, let's learn a few magic tricks and talk about how they work. Have a magic trick of your own to share? We'll all be "full of tricks" when Spring vacation is over!

Habits and Language of Squirrels

Friday, April 9, 1998 8:30 am

Learn to read the body language of one of the most watchable wild animals in the park. We will walk to observe their behavior and their physiology in order to understand why they do the things they do.

Kite Flying Caper

Friday, April 9, 1998 11:00 am

Build it, launch it, and fly away on the drafts and currents of a White Clay Wind gust. Meet at the Nature Center. \$2.50.

Park Babies

Friday, April 9, 1998 1:00 PM

Ages 5-11

Take a Springtime look at parenting and "growing up" of selected mammals, birds, and other wildlife in the Park. An entertaining presentation at the Visitor Center will be followed by a "scent"-sational game.

Dear "Deer" Diary

Friday, April 16, 1998 5:30 PM

Listen to the story of "White Clay Whitetail" told by our story-telling Naturalist. Examine the signs for tracking these magnificent mammals, find out about our own "piebald" deer, and try out these skills as we hike to a meadow vantage point for observation. Meet at the Nature Center.

White Clay Creek Clean-Up

Sat., April 17, 1998 8:30 am

Calling all Citizens! Here's your opportunity to help your park stay clean and beautiful. Your past participation in this annual clean up campaign has had amazing results so we're counting on your continued efforts. Bring friends and join us for an enjoyable Spring morning along the beautiful banks of the White

Clay Creek. Meet at the Nature Center. Gloves and garbage bags provided. Groups Welcome! (To help us organize group assignments, please call to register your group).

Native Spring Remedies

Sunday, April 18, 1998 1:00 pm

See the emerging foliage and plant life through the eyes of the Lenni Lenape Indians. Search with our Naturalist for "tonics and teas, potions and poultices" as we explore the woodland trails and field edges.

Believe It or Not: Beavers

Sunday, April 18, 1998 3:30 pm

Take a look at our "wholesome" looking specimen at the Nature Center as you sort through fun facts and legends about this giant rodent. Is he an amazing animal or a toothy terror? Then we'll take a quiet stroll along the creek as the sun wanes in search of signs, sounds, and maybe even the sight of a beaver.

Backpacking Course and Expedition

Session I: Training, Thursday, April 29, 1998, 7-9 pm

Excursion: Sat May 1, 10:00 Am - Sun., May 2, 11:00 AM

Session II: Training: Thurs, June 3, 7-9 pm

Excursion: Saturday, June 5, 10:00 am -Sunday, June 6, 11AM.

This is a brand new opportunity for hiking enthusiasts who wish to try out backpacking without investing in equipment and gear. Enrollees must attend a training session on Thursday evening where packs will be fitted, menus planned and personal gear lists distributed. Professional outdoor skills instructor, Brad Rogers, will get you ready and lead you through a high adventure weekend, focusing on packing gear, cooking, trail exploration, making camp, and plenty of good, old-fashioned fun and campfire entertainment. Participants must be 18 years old. Cost: \$75 per person. Please register with Debbie Paruszewski at (302) 368-6560 by April 21 for Session I and by May 26 for Session II.

Partners in Flight

Migratory Bird Day

Sunday, May 2, 1998

7:00 am Warbler Walk

8:00 am Warbler Walk

11:00 am Slide Presentation

Join us for this warbler watch and slide presentation on neo-tropical migratory birds. Find out about the plight and preservation needs of these beautiful creatures at one of the best observation areas in the region, White Clay Creek State Park.

Mantid Madness

Saturday May 8, 1998 1:00 pm

Praying or "preying", these insects are powerful predators. Feed and observe some newly hatched mantids while learning the "real story" about these voracious hunters and about the predator-prey relationship in general. Children

wishing to "raise" a mantid for release should bring a jar or container with air holes.

Wildflower Walk

Sat., May 9, 1998 1:30 pm

Show Mom you care by bringing her on Mother's Day for a relaxing and enlightening walk through the Preserve in search of wildflowers. Meet the park naturalist at the Chambers Rock Road Parking lot.

MAY IS ARCHAEOLOGY MONTH!

Archaeology Month Van Tour Explorations:

Tweed's Mill Site and Millstone Technology

Saturday, May 15 1 pm

Meet at the Nature Center to board the park van for a guided tour of the Mill ruins followed by an exploration of known park millstones and a millstone quarry site. \$1.00 /person.

Eastburn-Jeanes Lime Kilns

Sunday, May 16

1:00 pm

This is your opportunity to learn why the geology of the region enabled early settlers of the valley to establish and operate lime kilns. We will inspect these beautifully preserved nineteenth century structures and explore two sites at the park, a small kiln operation, and the site where another geologic commodity, fine white clay, was excavated, processed, and exported for use in the porcelain industry. \$1.00 per person.

Other Archaeology Opportunities:

Through the Eyes of A Lenape Child

Ages 5-8

Saturdays, 11:00 am

Wildflowers: May 15

Trees: May 22

Animals of the Forest: May 29

Join us as we explore the natural world through the rituals and wisdom of the native Lenni Lenape tribe.

Hiking Into Archaeology: Examining Ruins along the David English Trail

Saturday, May 29 1:30 pm

Meet at the new office parking lot (additional space at Chambers Rock Road lot) for this 2.5 mile trek with hills to examine various house and barn complex ruins, including the "Mystery Structure." Learn to "read" the ruins like an archaeologist.

Geology Jaunt

Sun., May 16, 1998 2:30 pm

Your budding geologists will enjoy this hike to rocky outcrops along the trails to examine samples of Piedmont rocks and minerals. Meet at the Chambers Rock Rd Parking lot.

Wet and Wonderful

Sunday, May 30, 1998 1:00 pm

Dress to get wet for this excursion into the creek for a close inspection of what lives in a good "hole". We will create a mini-aquarium of fish and other creek creatures collected for study.