



**SIERRA  
CLUB**  
FOUNDED 1892

# Moshannon Group News



Moshannon Group of the Pennsylvania Chapter of the Sierra Club

September 2004 | Issue 3

## COAL-BURNING POWER PLANT PROPOSED FOR KARTHAUS

*By Mike Ewall, Founder, Energy Justice Network*

Pennsylvania's coal mining legacy left us with large volumes of waste coal—coal that has about half of the energy value that normal coal has. About 250 million tons of waste coal lay around the state in big dark piles. Rainwater causes these piles to leach iron, manganese and aluminum pollution into waterways and creates acid drainage that kills neighboring streams.

Governor Rendell and DEP Secretary McGinty have been pushing very hard to “solve” the problems associated with our waste coal piles by spreading the pollution more effectively into the air and groundwater. They plan to do this by promoting the burning of waste coal, as if burning this waste will cause the toxic nature of it to disappear.

Pennsylvania is already tied for first place in the number of coal-fired power plants (23). Many decades of coal mining for these power plants has given us our current waste coal problem. In the late 1980s, a new combustion technology called circulating fluidized bed (CFB) enabled the burning of waste coal in smaller power plants. On top of the 23 coal plants, Pennsylvania is now home to 14 power plants that burn waste coal as their primary fuel (only 6 others exist

*(Continued on page 6)*

*Wednesday September 8:*

## Moshannon Group Hosts Local Naturalist and Writer Marcia Bonta

Marcia Bonta was born and raised in the wooded fringes of a suburban South Jersey



PHOTO: Marcia with Saw-whet Owl at Shaver's Creek banding station. (B. Bonta)

town, Woodbury, NJ. She inherited her father's love for forests, streams and swamps. Her earliest memories are of a childhood enchantment with nature.

Marcia will share some of that enchantment when she opens the Moshannon Group's Fall Public Presentation Series with a talk and slide presentation on Out-

*(Continued on page 4)*

## EVENTS CALENDAR

### Public Presentations

**Public Presentations are held at the Interpretive Center of the Centre County Solid Waste Authority—253 Transfer Road—just north of the Nittany Mall off Route 26, and are open to both members and non-members.**

**Wednesday, September 8, 7PM:**  
Guest speaker: Naturalist and writer Marcia Bonta will give a talk and slide presentation on Outbound Journeys in Pennsylvania —A photographic journey to many of the outstanding natural areas in the state. Marcia's books will be available and she will be happy to sign her books.

**Tuesday, October 26, 7PM:**  
Guest speaker: Dr. Gay E. Canough of ETM Solar will give a presentation about collecting the power of the sun for home use. (see article on Page 5)

**Tuesday, November 23, 7PM:**  
Guest speaker: Jeff Schmidt, Director, Sierra Club PA Chapter. Topic to be announced.

### OUTINGS

**Sunday September 12:** Mountain Bike ride in the vicinity of a proposed landfill in Rush/Snowshoe township. Terrain is mostly level. Mileage will depend upon interest and weather. Contact Ron Johnson at [cavenkenu@wmconnect.com](mailto:cavenkenu@wmconnect.com).

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## FROM THE EDITOR

Gary Thornbloom

***"Our enemies are innovative and resourceful, and so are we. They never stop thinking about new ways to harm our country and our people, and neither do we."***

—George W. Bush, August 2004

President Bush surely misspoke in the above statement; however when it comes to the environment the statement could not be truer. The Bush administration came into office after losing the popular vote and reaching out to the Supreme Court, yes to the courts and to the federal government that they so hate to see involved in environmental issues, to seal the electoral vote in their favor. Anyone with any sense of perspective would have reached out to the other side with conciliatory gestures instead of proceeding to govern with all the gusto of a landslide mandate.

The Bush administration has compromised our air, our water, and our land. Bush fought to allow aging power plants to increase toxic air pollutants belched into the air. Bush fought to remove millions of acres of wetlands from Clean Water Act protection. Bush has fought to open up the Arctic National Wildlife Refuge to oil and gas drilling. Bush fought to increase logging of public lands, and has increased logging under the guise of promoting fire protection. Where sound science has gotten in the way the Bush administration has manipulated and suppressed the facts. Too much arsenic in our water—no problem change the standards to allow more arsenic.

The Bush-Cheney team invited industry to write the laws that regulate them, and then fought the Sierra Club in the courts to keep concealed which corporate interests participated. Where the Superfund paid for cleanup with money from a tax on the industries that produced the mess, Bush has let the tax expire, the fund approach insolvency, and would like to see the Superfund funded from the general treasury, so you and I pay for the mess that corporations created and profited from.

Team Bush has turned away from energy conservation and from energy efficiency research. Energy conservation is a conservative value that the Bush-Cheney team has dismissed with a "let 'em all drive SUV's and get a tax break for a big enough one" attitude.

Election year 2004 is an election that offers conservationists a clear choice. We can vote for four more years of an administration that ***never stops thinking about new ways to harm our country and our people*** or we can vote for John Kerry and Joe Hoeffel, both who have proven records of supporting the conservation values that ground the Sierra Club.

Each member of the conservation community, each Sierran, needs to register to vote, and then to exercise the duty to vote on November 2. This time we know it matters!

## Please Take Notice of the Following Moshannon Group Changes....

Summer is almost over and the Public Presentations hosted by the Moshannon Group will resume in September. These were formerly listed as General Meetings, however in an effort to make it clear that the general public is also welcome we are now referring to these as Public Presentations. After the September 8 Public Presentation with Marcia Bonta as our guest speaker, these meetings will be held on the fourth Tuesday of the month. Be sure to mark your calendars. Remember that everyone is welcome at these informal presentations, so bring your friends along!

**Another change to note is that these presentations will now occur at the Interpretive Center of the Centre County Solid Waste Authority located on Transfer Road near the Nittany Mall.**

This facility has ample space, resources and convenient parking. In addition, its "green" aspect is obviously of special importance to all Sierra Club members. This building was constructed by the Centre County Solid Waste Authority to demonstrate what can be done with recyclable materials. From the floor to the ceiling, almost every aspect of the building is a real-life example of recycling in action. At our first meeting there, September 8, there will be a short introduction to the "green" aspects of the building which will be of interest to every conservation minded person.

The interpretive center is also an excellent resource for the public and for educators. An extensive library of books, periodicals, and videos are available to Centre County Educators on a loan basis on topics including recycling, environmental issues, and waste management. Others are encouraged to research and to use the materials on site. Anyone wanting to learn more about landfills should definitely scan through the list of materials available. Visit [www.centrecountyrecycles.com](http://www.centrecountyrecycles.com) for details!

### HOW TO GET THERE:

The Interpretive Center is located at 253 Transfer Road, Bellefonte PA 16823

Directions: Just north of the Nittany Mall off Route 26. Pass mall on left, Corning plant on right, turn right onto Transfer Rd, follow short distance to end of road and turn through gate to left, The Interpretive Center is on the immediate right, park anywhere that is convenient.

# SIERRA ENDORSES KERRY

By Judy Tanner, Moshannon Group Political Chair

As you probably are aware, the Sierra Club has endorsed John Kerry for President of the United States. We believe that Kerry's demonstrated environmental leadership is in stark contrast to the Bush administration's all-out assault on our air, water, and natural resources. Highlights of Kerry's environmental record include:

- Clean Water**
  - opposed federal funding for polluting factory farms
  - opposed Bush's proposal to allow coal companies to shave off mountaintops and bury rivers below under tons of mine waste
  - opposed the Administration's attempt to weaken drinking water standards for arsenic
  - opposed removing 20 million acres of wetlands from Clean Water Act protection
  - co-authored an amendment to protect a citizen's right to sue when regulations are inadequately enforced
  
- Clean Air**
  - opposed Bush's plans to allow increases in the level of pollution permitted by aging power plants
  - opposed attempts to allow garbage incineration to be defined as a renewable energy source, since large quantities of lead, mercury, and other pollutants are emitted. It's sad to realize that many of the fish in our nation's waters currently have such a high mercury level that we are advised to limit the quantity we eat.
  
- Energy and Global Warming**
  - would set a national goal of having 20% of our electricity come from renewable sources by 2020
  - supported increasing the fuel economy of cars and light trucks, saving 2 million barrels of oil a day
  - has been a leading voice for the need to take immediate steps to combat global warming
  
- Public Lands & Wildlife**
  - has fought to protect the Arctic National Wildlife Refuge from oil and gas drilling
  - opposes extending subsidies for commercial logging in national forests and overgrazing on public lands. The Bush Administration has proposed increased logging in our national forests.
  - opposed exempting the Dept of Defense from the Endangered Species Act and has fought against weakening the Act
  - has been a primary advocate for marine mammal protection, banning the use of drift nets, which threaten dolphins and other marine life
  
- Urban Sprawl**
  - supported initiatives to recover urban parks, clean up brownfield sites, and improve public transportation
  
- Family Planning**
  - opposed the administration's cut of all US funding for the UN Family Planning Fund, which works to give women access to voluntary family planning, economic assistance, and education
  - supports a woman's right to choose her family planning option

These are just some of the many ways in which John Kerry has demonstrated his commitment to protecting our environment. The Bush Administration has systematically undermined environmental laws, weakened pollution and public safety standards, cut funding for enforcement agencies and programs, and nominated agency and judicial appointees that are openly hostile to environmental protections. George Bush has compiled one of the worst environmental records of any President in the history of the United States.

Our environment is a priceless resource that must be protected and is immeasurably important. All presidential elections are important, but because of the huge stakes involved on a variety of issues, this one is extremely critical! It is vital that we all take the time and effort to vote.

**VOTE FOR JOHN KERRY ON NOVEMBER 2ND!**

## **Strategic Ignorance: Why the Bush Administration is Recklessly Destroying a Century of Environmental Progress** —Carl Pope and Paul Rauber Sierra Club Books, 2004

There are plenty of recent books exposing the ethical crises of the Bush administration. Many have examined troubling issues in national security, the Iraq War effort, or corporate influence peddling. **Strategic Ignorance**, by Sierra Club Executive Director Carl Pope and *Sierra* magazine editor Paul Rauber, is a hugely illuminating addition to the recent flood of books offering informed criticism of George W. Bush and his policies. Pope and Rauber focus on the troubling Bush environmental record, and you shouldn't be surprised that there is enough on that subject to fill an entire book.

Here we find that the modern neo-conservative anti-environmentalism is not just an offshoot of the Bush administration's megalomania for corporate profiteering and campaign contributions, but also the result of unyielding and extremist ideology. This hard conservatism has departed significantly from the more moderate foundations of the Republican worldview. Cloaked under dishonest claims of compassion and populism, this new ideology indicates a sheer contempt for conservation (and possibly nature itself) by our current leaders that would be insulting if it wasn't so worrisome for our national heritage.

Pope and Rauber show convincingly that corporate pressure and cronyism have given us anemic enforcement of existing regulations, at the whim of industrial campaign contributors. The result has been an across-the-board assault on environmental protections of any kind, and a complete disdain for the interests of the American public. This is all in stark contrast to former Republican presidents who showed genuine concern for environmental and conservation issues, such as Theodore Roosevelt and Richard Nixon, proving that a love of nature does not have to be alien to the Republican mindset.

**Marcia Bonta** (Continued from page 1)

bound Journeys in Pennsylvania—a photographic journey to many of the outstanding natural areas in the state.

She went to Bucknell University because she loved the natural beauty of central Pennsylvania. Her college education gave her a broad knowledge of the liberal arts, a B.A. degree, and a husband, Bruce, whose jobs took the family to Washington, DC, Maine, and, since 1971, back to central PA. They raised their three sons on an isolated, forest-covered, mountaintop farm near Tyrone, where, inspired by the works of such authors as Hal Borland, Edwin Way Teale, Joseph Wood Krutch and Rachel Car-

Pope and Rauber then examine the hard-right ideology of Bush and his neo-conservative pals, which has led to some downright absurd actions against the environment. These include actually trying to increase the trade in endangered species, working to subversively weaken laws focused on that problem in other nations, such as attempts in Asia to stop the poaching of tigers for body parts. Such efforts would have miniscule impact on the American economy, and illustrate a triumph of hard ideology over common sense. Other examples include ordering the US military to stop its voluntary efforts toward environmental protection at bases, or cracking down on states such as California who are trying to enforce protections stronger than those of the Feds (this from an administration concerned about states' rights).

The authors carry out a very strong investigation, backed up solidly by journalistic sources and interviews. The investigation also gives the reader a few bonuses, like some detective work into Dick Cheney's secret energy task force, and a debunking of many of the claims for drilling in the Arctic National Wildlife Refuge. The appendix that closes the book, giving a chronology of the administration's assault on environmental law and policy, is truly disturbing in its sheer size and frequency.

Pope and Rauber find that our administration, in its attempts to discredit all opposing realms of political thought, is dealing in an absurd derailment of conservation that is completely lacking in common sense, not to mention any concern for the wishes of the people or the health of humanity. **Strategic Ignorance** is highly recommended for all Americans who are concerned about conservation, and worried about the current administration's ruinous assault on both nature and the law.

son, Marcia began a writing career based on her daily explorations of the natural world.

Marcia wrote weekly columns for local newspapers for ten years before changing her career emphasis to books, magazine articles, lecturing and slide shows on nature and natural history topics. Marcia has written eight books, of which seven are now available, and over 300 magazine articles. Her work has been reproduced in a number of anthologies, and she has received several awards for her writing. But she treasures most the letters, calls and conversations with people who have been moved by her writing or her slide shows to appreciate nature more strongly, and to join her in trying to protect the natural world.

Tuesday October 26:

## Moshannon Group Hosts Dr. Gay E. Canough of ETM Solar Works

Come and learn how you can use the south? Is any part of it shaded between 9 AM and 4 PM? How large is it? the sun and take control of your energy destiny.

Hear how solar electric systems work, how much electricity you can make, different types of solar panels and solar roofing materials and what the cost range is for these systems.

Call your utility and find out how many kWh (kilowatt-hours) your home uses per year. This will help you see how much of the house usage can be served by solar power. Look at your roof: does it face



Join us at our Tuesday October 26 Public Presentation in welcoming Dr. Gay E. Canough for an informative evening on the current state of the art technologies for home use of solar energy.

There will be time for questions and answers, so bring

those questions! For some background information on solar energy, check out the ETM Solar Works website [www.etmsolar.com](http://www.etmsolar.com).

### VISIT THE NEW MOSHANNON GROUP WEBSITE!

In Spring 2004, the Moshannon Group unveiled a new and redesigned website, focused on informing our members of the conservation issues that are currently important in Central Pennsylvania, as well as all the programs and activities that the Group has made available for member participation. Included are easy-to-navigate pages featuring:

- **EVENTS** for Moshannon Group members, including our monthly speakers and other special community activities.
- **OUTINGS**, with information on upcoming hiking, canoeing, biking, camping, and other outdoor journeys open to Moshannon Group members and the public.
- **PUBLICATIONS**, including copies of past Moshannon Group newsletters as well as the monthly "On the Trail" column written by members of the Group for the *Centre Daily Times*.
- **ISSUES**, with plenty of information on current conservation concerns in our area, such as I-99 construction and the Snow Shoe landfill, with recommendations on how you can get involved by contacting Moshannon Group officers and volunteers.

Please visit the Moshannon Group website at <http://pennsylvania.sierraclub.org/moshannon/>. Questions or ideas concerning the website can be forwarded to website coordinator Ben Cramer at [dooms-dayer520@yahoo.com](mailto:dooms-dayer520@yahoo.com).

### Events Calendar

(Continued from page 1)

**Sunday, October 24:** Accompany Dave Coleman on his exploration of the last of 16 State Forest Wild Areas visited within the last 5 years. A moderate hike of 6-8 miles – mostly on seldom used trails and hopefully some “bush-whacking” – in the middle portion of the McIntyre Wild Area which is north of Williamsport, about 2 hours from State College. Contact Dave at 234-0839 or [dyat-esc@aol.com](mailto:dyat-esc@aol.com).

**Saturday, November 14:** Hike 6-8 gentle miles on the Allegheny Front Trail along Black Moshannon Creek and Benner Run. Contact Gary Thornbloom at 353-3466 or [bearknob@chilitech.com](mailto:bearknob@chilitech.com).

Check our website for last minute additional outings.

### EXECUTIVE COMMITTEE MEETINGS

These meetings are held on the **first Tuesday** of the month; they are open to all members. Call an Executive Committee Member for the next meeting location.

**Tait Farm** (Continued from p.7) Gary Thornbloom, Moshannon Group Chair and Newsletter Editor. His topic will be *Explore, Enjoy, and Protect /On the Trail: A Path of Conservation*. Gary will talk about the Sierra Club, local conservation activism, and about **On The Trail**, a monthly column that he writes for the **Centre Daily Times** along with Dave Coleman and Ben Cramer.

Tait Farm is on US322  
2 miles east of Boalsburg.

## Waste Coal Burning Plant *(Continued from page 1)*

in the entire country).

At least three new waste coal burning power plants are planned for PA. Each of these are much larger than any that have been operated to date. The existing waste coal burners average around 78 megawatts (MW). **One proposal threatens Snow Shoe and other downwind Centre County communities. It would be located in Karthaus Township (the northeast corner of Clearfield County). It is being proposed by River Hill Power Company and would be 290 MW – large enough to burn up to 2 million tons per year of waste coal.**

In February, Governor Rendell gave the project \$200,000 of our tax money through Energy Harvest grants, promoted as a program for “clean and renewable” energy projects. Company officials project that the plant could be operational by May 2008 under a best-case scenario.

Rendell and McGinty have argued that waste coal burning power plants are cleaner than normal coal plants. Since waste coal plants were built after the Clean Air Act, they *do* have cleaner air emissions due to their use of air pollution controls, but this only means that the ash is far more toxic, since the highly toxic particulates captured in pollution control equipment end up in the ash.

Coal comes contaminated with many toxic heavy metals (like mercury, arsenic, lead, nickel and chromium) as well as halogen pollutants like chlorine and fluorides. Waste coal also contains these pollutants, and can contain them at much higher levels.

For example, waste bituminous coal in Pennsylvania has 3.5 times more mercury than normal bituminous coal. Since waste coal has only about half of the energy value of normal coal, nearly twice as much of it must be burned to produce the same amount of electricity. Consequently, **to produce the same amount of power, a power plant burning Pennsylvania bituminous waste coal must take in 6.3 times as much mercury in its fuel than a power plant burning normal Pennsylvania bituminous coal.**

**The Karthaus plant will take in up to approximately 2,740 pounds (1.4 tons) of mercury each year**, releasing some of that in the air, and dumping the bulk of it in the form of concentrated toxic ash. (The amount of mercury in a typical mercury thermometer is enough to contaminate all the fish in a 20 acre lake.)

Waste coal ash is typically dumped in communities surrounding the power plants, threatening the groundwater with leaching lead, mercury and other poisons. Power plant waste is allowed to be dumped without the basic protections (landfill liners) that are required for dumping household trash.

As with all forms of combustion, ash has a higher surface area than the raw, unburned material. The dangers of toxic leaching from ash can be expected to be greater than from the unburned waste coal. Just like with coffee, running water over coffee grounds leaches far more coffee out than if you ran water over whole coffee beans. The industry claims that by injecting limestone into the ash, the ash becomes impervious to leaching. However, this has not been proven and it seems likely that the alkaline affects of the lime would afford only temporary protection, especially since western Pennsylvania suffers from the nation’s worst acid rain.

Rather than liberate the toxic contaminants by burning them, it is preferable to remediate the waste coal piles in a way that reduces the problems associated with the piles without creating new problems.

There *are* alternatives:



Government researchers have found a very cheap and viable alternative to the conventional waste coal pile remediation method of grading, topsoiling, seeding and mulching. They found that beach grass, native to sandy beaches, thrives in waste coal piles and can establish enough plant cover to enable native plants to take root. This method has been shown to bring life back to long-dead waste coal piles for only 6-10% of the cost of conventional methods. Within a few years, beach grass enabled native plants to take over, allowing organic matter to accumulate around plants, forming a plant layer that stopped erosion, held water, cooled the surface, and looked better.

Unfortunately, our governor, the DEP and the environmental leadership of both parties in the state legislature are single-mindedly focusing on burning waste coal as the only solution.

The \$450 million power plant promises 360 permanent jobs, if you include mining and transportation. Comparable money spent on conservation, efficiency or clean renewables (wind and solar), could produce more jobs while actually protecting the environment.

We have an opportunity to direct money to clean alternatives. Currently, “renewable portfolio standard” (RPS) legislation is moving through the state legislature. Such legislation would require all energy suppliers to have a certain minimum amount of renewable energy in their mix, increasing to 10% in 10 years. Currently, our political leaders are intent on having Pennsylvania be the first state to approve an RPS that includes fossil fuels. This is unacceptable. Waste coal burning and all forms of incineration should NOT be promoted through such legislation.

We can protect our communities by action at both the local and state legislative levels.

### To Get Involved:

- Contact: Mike Ewall, 215-743-4884,

[catalyst@actionpa.org](mailto:catalyst@actionpa.org)

#### For more information on:

- RPS legislation: [www.actionpa.org/cleanenergy/](http://www.actionpa.org/cleanenergy/)
- Waste Coal: [www.energyjustice.net/wastecoal/](http://www.energyjustice.net/wastecoal/)

November Election:

# SIERRA ENDORSES HOFFFEL

By Gary Thornbloom

The Pennsylvania Chapter of the Sierra Club has endorsed Democrat Joe Hoeffel in his Senate bid to defeat Republican incumbent Arlen Specter. Specter has increasingly come up short when it comes to environmental issues. The difference between the two candidates could not be more dramatic. Their voting record on the environment can be easily compared. Hoeffel has cast votes in the House of Representatives, while Specter has voted on the same issues in the Senate. The Sierra Club Congressional Scorecard in 2003 rated Hoeffel at 100% and Specter at 20%. The League of Conservation Voters Congressional Record Scorecard rated Hoeffel at 95% and Specter at 32%.

By any measure Specter has come up short with the environmental community. Hoeffel voted to support preserving the Clean Air Act, fight global warming, improve fuel efficiency standards, protect the Arctic National Wildlife Preserve, make corporate polluters pay, and for a pro-environment energy policy. Specter was on the wrong side of each of these issues.

Specter has increasingly voted in stride with the Bush administration. While once viewed as a moderate compared to Pennsylvania's other Senator, Rick Santorum, Specter's voting record on key environmental legislation now mirrors that of Santorum. Specter's support for the environment has deteriorated and Hoeffel "has been a leader in speaking out against the Bush administration's assault on the environment," said Robin Mann, clean water chair of the state Sierra Club in a press release announcing the Sierra Club endorsement of Hoeffel.

In that same press release Hoeffel accused Specter of bowing to a "radical environmental agenda" that is being pushed by the Bush administration. "I reject that agenda because I believe in something Arlen Specter seems to have forgotten: that we have a responsibility to protect our land and water and air for gen-

erations yet to come," Hoeffel said.

As Joe Hoeffel began his 18 day 67 county "Change is Gonna Come" campaign tour all across Pennsylvania he stated that "the choice is clear" between him and Arlen Specter. "If you think the Bush-Cheney agenda is working for our state and our country, then I guess Arlen Specter is your man," Hoeffel said. "But if you think we need to change course and build a future that works for Pennsylvania and America, then join me, John Kerry and John Edwards and build that future with us."

Hoeffel pointed out that Specter has stood strong with Bush, Cheney and Santorum and has come to be a reliable and essential vote in furthering the Bush agenda. In a closely divided Senate every anti-environmental vote cast by Specter carries great weight. Hoeffel's House votes have fought this agenda and as a Senator the environmental community can expect to have a strong voice in Joe Hoeffel.

Again, from the beginning of Hoeffel's "Change Is Gonna Come" tour: "On this 67-county trip, we're telling Pennsylvanians what's at stake in this election for the White House and the U.S. Senate. And we're telling people change is gonna come," Hoeffel said, referring to the name of his tour – also the title of a classic rhythm and blues song written by Sam Cooke. "We're telling Pennsylvanians about how we can work together to build a future that works for our state and country. And we're going to invite everyone we meet along the way to build it with us."

As in the Kerry-Bush presidential contest the Hoeffel-Specter senate race offers a clear choice in voting for a strong voice for environmental issues.

**VOTE FOR JOE HOFFFEL ON NOVEMBER 2ND!**

Thursday October 23:

## Tait Farm: Living Locally, Living Seasonally

Tait Farm held the first in a series of Thursday evening speakers in June. The speakers series is called "Living Locally, Living Seasonally" and according to Laura Silver, manager of the Harvest Store at Tait Farm, is "a way to introduce sustainable living and is intended to inspire people to live lightly", a theme members of the Sierra Club can certainly relate to.

In June, Chris Uhl, PSU Ecology Professor and author, spoke on *Local Ecological Living*. In July, Lynn Fos-

bender, Clearwater Conservancy, spoke on *Watershed Wise Landscaping*. In August, Brian Synder, PA Sustainable Agriculture, spoke on *Sustainable Agriculture in PA*.

Tait Farm offers an idyllic farm setting for getting together and discussing these topics. Everyone is welcome to attend these events.

On Thursday, October 21 at 7PM, the speaker will be

*(Continued on page 5)*

**Moshannon Group of the  
Pennsylvania Chapter of the  
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Newsletter Mailing	Nancy deStreel		
Intern	Position Available		

We're on the web!—<http://pennsylvania.sierraclub.org/moshannon/>

**Membership**

**Yes**, I want to help safeguard our nation's precious natural heritage. My check is enclosed.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ ZIP \_\_\_\_\_

email \_\_\_\_\_

Check enclosed, made payable to Sierra Club

Mastercard  Visa Exp Date \_\_\_\_/\_\_\_\_/\_\_\_\_

Cardholder Name \_\_\_\_\_

Card Number \_\_\_\_\_

Contributions, gifts and dues to the Sierra Club are not tax deductible; they support our effective, citizen-based advocacy and lobbying efforts. Your dues include \$7.50 for a subscription to *Sierra* magazine and \$1.00 for your Chapter newsletter.

**MEMBERSHIP CATEGORIES**

	INDIVIDUAL	JOINT
INTRODUCTORY	<input type="checkbox"/> \$25	
REGULAR	<input type="checkbox"/> \$39	<input type="checkbox"/> \$47
SUPPORTING	<input type="checkbox"/> \$75	<input type="checkbox"/> \$100
CONTRIBUTING	<input type="checkbox"/> \$150	<input type="checkbox"/> \$175
LIFE	<input type="checkbox"/> \$1000	<input type="checkbox"/> \$1250
SENIOR	<input type="checkbox"/> \$24	<input type="checkbox"/> \$32
STUDENT	<input type="checkbox"/> \$24	<input type="checkbox"/> \$32
LIMITED INCOME	<input type="checkbox"/> \$24	<input type="checkbox"/> \$32

F94Q **W** 4110 -1  **SIERRA CLUB**  
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**Sierra Club**  
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**The Banff Film Festival  
World Tour returns to  
State College in April 2005!**

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1. **MAKE SURE YOU ARE REGISTERED TO VOTE**
  2. **EDUCATE YOURSELF AS TO THE CANDIDATES POSITIONS**
  3. **APPLY FOR AN ABSENTEE BALLOT IF YOU CANNOT VOTE ON NOVEMBER 2**
  4. **GET OUT AND VOTE ON NOVEMBER 2**
- **VOTE LIKE OUR AIR, WATER, AND PUBLIC LANDS DEPEND ON IT**
  - **VOTE LIKE OUR PLANET'S HEALTH DEPENDS ON IT**
  - **VOTE LIKE THE LEGACY YOU ARE LEAVING OUR CHILDREN DEPENDS ON IT**