

THE CATALYST

SLIPPERY ROCK WATERSHED COALITION MONTHLY ACTIVITIES UPDATE

THIS MONTH'S MEETING: Thursday July 8th at 7pm Jennings Environmental Education Center, pizza and pop will be provided. 6/10/04 Meeting Attendance: J. Belgradan, C. Cooper, C. Denholm, T. Danehy, M. Dunn, B. Johnson, D. Johnson, V. Kefeli, D. Mullen, T. Mullen, S. Smith, W. Taylor

Conferences Galore!!!

On June 10, **Tim Danehy** of Stream Restoration Incorporated (SRI) and **Bob Beran** of Beran Wetland and Environmental Services, Inc. spoke at the **Pennsylvania Association of Environmental Professionals** at Seven Springs Mountain Resort in Champion, PA. The title of their session was "Innovative Techniques and Approaches to Acid Mine Drainage." During their presentation, Tim and Bob discussed the basics of AMD, including what it is, how it is formed, problems it causes, what can be done to treat impacted waters, and more. They also shared information about site restoration opportunities, including the value of wetlands and utilizing habitat to work in conjunction with treatment. Also discussed in their presentation were riparian reconstruction and the importance of education and outreach as well as cooperation and partnering.



The **6th Annual PA Abandoned Mine Reclamation Conference** was held June 9-12 at Indiana University of Pennsylvania. The theme of this year's conference was "Alphabet Soup of AMR." To those not familiar with the world of AMR, the acronyms tossed about in the lingo of the AMR scientist can appear to be nothing more than letters floating around in alphabet soup! ALD, GIS, AML, GPM, VFR, GPS... this is the language spoken by those involved in abandoned mine drainage reclamation (AMR)! This conference aimed to bring together watershed groups, environmental associations, consulting firms, government agencies, and others to share new technologies and ideas, and to form new partnerships. A 2-day technical session was followed by a 2-day watershed session. **Shaun Busler** of the SRWC and Stream Restoration Incorporated found the class on **AMDTreat** software especially useful. This software, developed by **Brent Means** of **OSM**, **Tiff Hilton** of **WOPEC**, and others, is a flexible tool for estimating treatment costs and evaluating long-term economics. Everyone learned a lot from the class's lecture, lab experiments, and classroom exercises. The class also explored the chemistry of AMD metals, pros and cons of different passive and active technologies, and the application of this information to AMDTreat cost-estimating software. **Brent was an excellent instructor!!** Also attending the conference from SRI were Margaret Dunn, Tim Danehy, and Cliff Denholm. Everyone attended many beneficial sessions and manned the SRI poster display during breaks. Tim was honored to serve on the panel of AMR experts during the "Ask the Expert Smorgasbord" session. Tim explained what SRI does and the services they offer to participants.

SRWC's soil scientist, **Valentine Kefeli**, is becoming quite the world traveler! He recently attended a conference in **GREECE** at the **Orthodox Academy of Crete!** The Auxin 2004 Conference was held May 22-27. Valentine's program abstract focused on researchers studying plant hormones from 1959-2004; Valentine has much experience in this field, with studies in places as varied as Russia, Germany, Switzerland, the United States. Valentine presented a collection of pictures of many plant hormonologists of the world. He also had a poster abstract "Auxins and Roots Formation of Stem Cuttings." Who knew plant hormones were so popular?! Scientists from all over the world took part in this conference: Japan, the United Kingdom, Sweden, Belgium, Germany, China, Switzerland, the United States, the Netherlands, Austria, Korea, Spain, Canada, and others!

Auxin 2004

May 22 - 27, 2004
Kolympari Crete / Greece
Orthodox Academy of Crete

Organizers: Athanasios Theologis and Göran Sandberg

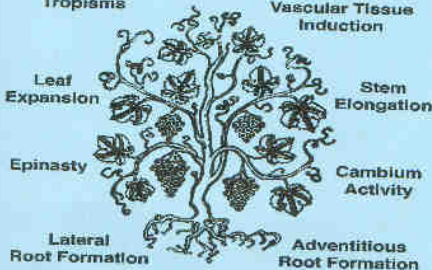



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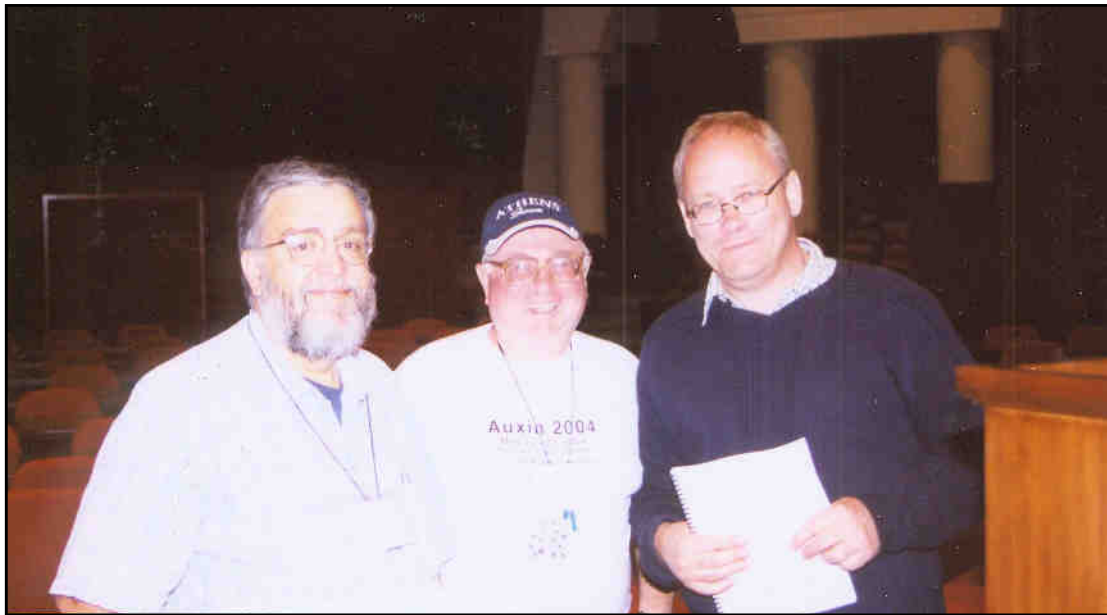
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Apical Dominance



The cover of the program from the Auxin 2004 Conference in Greece: does anyone know more about plant growth than these people?!



Three of the key-note speakers at the Auxin 2004 Conference at Crete: pictured L to R are A. Theologis (Berkeley University), V. Kefeli (BioMost, Inc., Cranberry Twp., PA), G. Sandberg (Umeo University, Sweden).

SRWC Geologist Receives National Public Service Award

Each year the American Institute of Professional Geologists selects an individual who has an outstanding record of public service well beyond their normal professional responsibilities. Margaret H. Dunn volunteers and partners with numerous watershed groups throughout western Pennsylvania, including the Slippery Rock Watershed Coalition, Jennings Water Quality Improvement Coalition, Greene County Watershed Alliance, Montour Run Watershed Association, Aultman Watershed Association for Restoring the Environment, Ohio River Celebration Committee, and others. Her goal in working with these groups is to develop and install passive systems to treat abandoned mine drainage and to provide public outreach and education relating to watershed stewardship. Margaret H. Dunn, PG, CPG was recently named the recipient of the 2004 John T. Galey, Sr. Memorial Public Service Award. Congratulations, Margaret!

The Intern Who Does It All

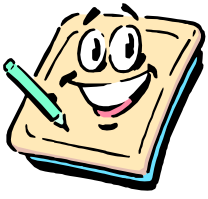
Candice A. Candiello-Buzzelli

Candice Candiello-Buzzelli has joined the SRWC gang for a summer of fun and learning. Candice is a graduate student at Slippery Rock University pursuing a Master of Science degree in the MS³ program (Masters of Science in Sustainable Systems). She received a Bachelor of Arts degree from Youngstown State University in English with a minor in Geology/Combined Science.

Candice's interest in mine reclamation occurred when she attended a mineral resources workshop at the University of Akron and was exposed to various types of mining operations and reclamation activities.

She will assist us in daily operational responsibilities within the office including the maintenance of Datashed, a GIS enabled internet database and in the monitoring of many passive treatment sites in the area.

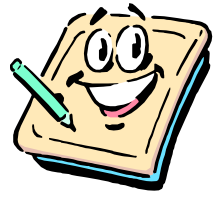




The KIDS Catalyst

SLIPPERY ROCK WATERSHED COALITION FUN ACTIVITY

Word Seek and Find



A **river** is a large natural stream of water emptying into an ocean, lake, or other body of water and usually fed along its course by converging tributaries. There are many rivers in Pennsylvania. The Slippery Rock Watershed Coalition is helping plan a cruise in September on one of these rivers, the Ohio. Located in the word search below are the names of ten of Pennsylvania's rivers. Circle all ten rivers and send us your paper—we will mail you a free gift certificate!

WORD BANK				
Susquehanna	Ohio	Juniata	Youghiogheny	Delaware
Allegheny	Beaver	Monongahela	Schuylkill	Lehigh

M O A T A I N U J S O H G Y L L S U W R E A B D
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Name _____ Age _____ Address _____



Slippery Rock Watershed Coalition c/o Stream Restoration Incorporated
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Thanks to The William & Frances Aloe Charitable Foundation, Environmentally Innovative Solutions, LLC, Dominion Peoples, Amerikohl Mining, Inc., Quality Aggregates Inc., BioMost, Inc., Allegheny Mineral Corporation and PA DEP for their support. For more information contact: Slippery Rock Watershed Coalition, c/o Stream Restoration Incorporated (PA non-profit), 3016 Unionville Road, Cranberry Twp., PA 16066, (724)776-0161, fax (724)776-0166, sri@streamrestorationinc.org, www.srwc.org. July Distribution: 1216 copies

Rollin' on the River!

Mark your calendar for the **3rd Annual Ohio Watershed Riverboat Cruise!** You won't want to miss the fun on **Thursday September 16!** We will be sailing aboard the Gateway Clipper Fleet's Majestic for a journey on the Ohio River! The voyage offers a guided narration of points of interest as we travel along the Ohio, interesting speakers and presentations, dozens of informative poster displays, free food, great door prizes, and more. As we journey down the river, cruise guests will have the opportunity to network with local government officials and other folks involved in watershed groups, professionals, government, business, industry, and education. Cruise participants will also experience a trip through a lock and dam! In addition, new this year will be the presentation of environmental awards.

Pre-cruise festivities are scheduled to begin at approximately 11:00 AM. Boarding will begin at 12:30 PM at Station Square in Pittsburgh, and we will be sailing the Ohio from 1:00 PM until 4:00 PM. Several topics of interest to be featured on this year's cruise include: the history of Neville Island, river ecology, the workings of a lock and dam, combined sewer overflows, the new water resources law, sediment control (MS-4 Program), the Emsworth Dam, and water wells.

Last year's cruise was a tremendous success, with over 425 in attendance and over 40 poster displays! We hope the event will be even bigger this year! **The cruise is free of charge!** If your organization is interested in having a poster display, limited space is available at no cost on a first-come, first-serve basis. To register for the cruise, visit www.streamrestorationinc.org/rsvp. For additional information, contact **Margaret Dunn** at 724-776-0161 or **Maggie Hall** at 412-442-4000.

