



BREAKDOWN

Volume 17, Number 3, January 2003

The *MAR Breakdown* is the journal of the Mid Appalachian Region of the National Speleological Society. It is published three times a year, prior to the annual business meeting and prior to the Spring and Fall field meets.

Subscriptions-

A complimentary copy is sent to each grotto in the MAR. For individuals it works this way: When you attend a field meet \$5 of your registration fee goes directly to the MAR to pay for three issues of this newsletter and other MAR projects. You may also subscribe by sending \$5 to the treasurer. The number of issues you have remaining immediately follows your name on the mailing label.

Meetings and Meets-

The annual business meeting is held the last Saturday in February. Each spring and fall there is a field meet. Watch for dates.

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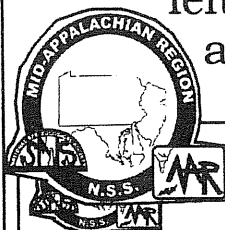
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MAR Business Meeting set for February 22, 2003 PCC Meeting to follow

The Mid Appalachian Region Business Meeting will be held at the home of Jay Herbein on February 22, 2003 at 1:30 p.m. A meeting of the Pennsylvania Cave Conservancy will follow the MAR Business Meeting. You will find a map to the meeting on page 2.

Philly Grotto and Commander Cody Caving Club hosted the Fall MAR field meet in West Virginia. Details of the event are on page 3.

Newly elected MAR officers are listed to the left on this page. Elections were held at the Fall MAR field meet.

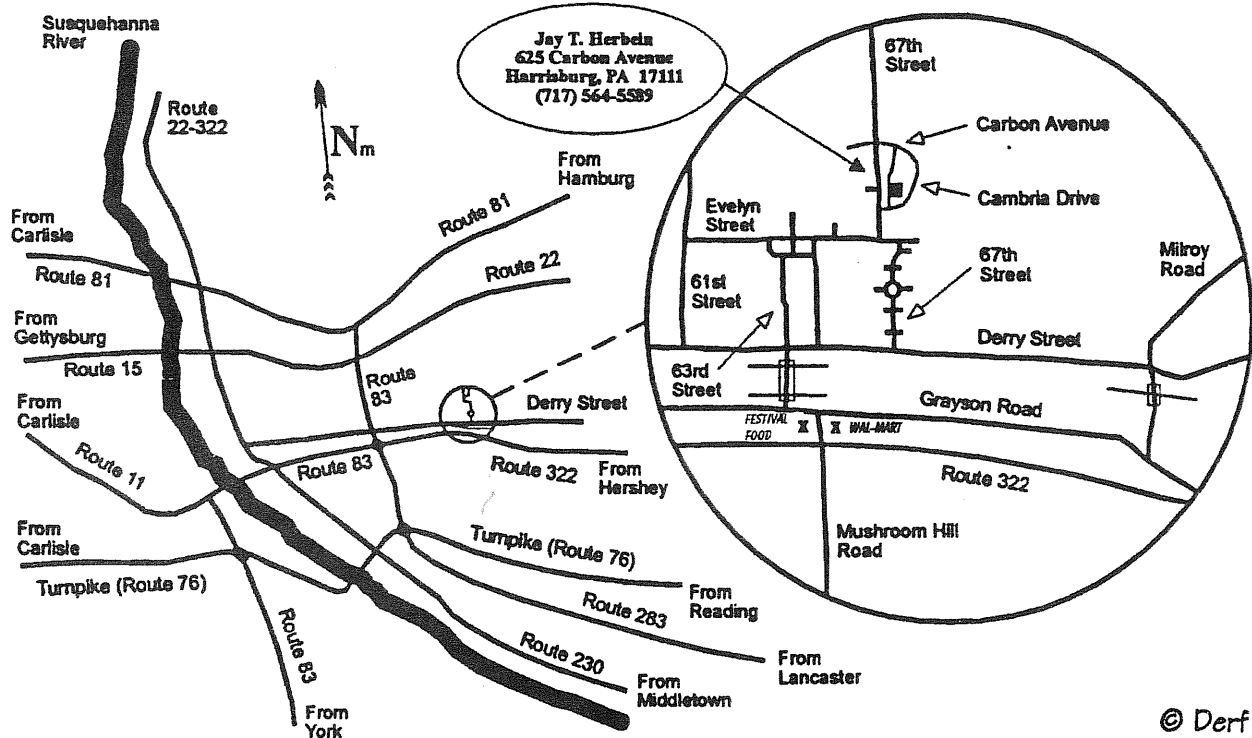


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Map of Business Meeting Site

Maps to Dale Ibberson's will be available at the business meeting



From the East on Route 322:

Turn right on Mushroom Hill Road (look for the Wal-Mart and Weis Markets Store) at the second traffic light after Hummelstown.

From the West on Route 322:

Intercept Route 322 toward Hershey. Turn left on Mushroom Hill Road (look for the Wal-Mart and Weis Markets).

Once on Mushroom Hill Road, proceed one block to Grayson Road (T-intersection) and turn left. Travel one more block and turn right onto a bridge which crosses the railroad tracks. Turn right on Derry Street. Follow Derry Street to 67th Street which will be a left hand turn up the hill. Follow the inset map above to reach Jay's house.

Note: If you are driving from the West on I-83 N., there is no exit at Derry Street. Use the Route 322 exit.

Fall 2002 MAR Field Meet

by Nathan Hirneisen

The Fall MAR field meet was hosted jointly by the Commander Cody Caving Club and the Philadelphia Grotto on September 20 through 22, 2002. It was held at the Lazy A Campground, Glengary West Virginia, in the panhandle of West Virginia.

39 people pre-registered for the MAR. The total attendance was 136 folks. Of these 136, 123 paid the \$5 MAR fee. Registration was staffed by Frank Strahan, Judy Obetz, and crew. Nametags and the guidebooks were provided to all registrants. For sale at registration were the new Philly Grotto patches, the Trip Leader Handbook, and Commander Cody tee shirts.

The MAR guidebook provided MAR participants with an assortment of information. Everything from cave maps to local historical attractions was in it. Bill Schultz managed to get it done while abroad, thanks to the magic of email.

There was even a vendor's row at the MAR. Barry Duncan and Howie's Harnesses provided a wide assortment of gear for cavers to peruse and buy.

Friday night cavers wandered in from their respective locales to the Lazy A Campground. The Friday night activity was the sauna. I've been told this was a first for a MAR. The sauna was a huge success. The sauna consisted of some spare parts from the Philly grotto canopy, a home brew furnace, and many other parts scrounged up. What a nice break from the damp weather it was. A shower was provided to cool off between sweating sessions. Tom Blomer and Nathan Hirneisen built and designed the sauna.

Jess Wilson started the bonfire Friday night.

A continental breakfast was provided Saturday morning, consisting of fresh fruit, orange juice, bagels, cinnamon rolls, hot cocoa, coffee, and tea.

Many guided cave trips were offered during the MAR, and discount coupons were available for a local show cave, Crystal Grottoes. Trips were on both Saturday morning and Sunday. A total of 82 cavers participated in these trips. Cave, trip leader, and total number of cavers are listed for each guided trip.

Silers Cave

Sat 9:00am Mike Babbit & 7 others

Sat 10:00am Amos Mincin and 7 others

Sat 12:30pm Cherie Picard & 8 others

Sun 10:00am Landon Woodward & 2 others

4 trips total 27 cavers at Silers Cave

Jones Quarry Cave

Sat 9:30am Ellen Hofler & 5 others

Sat 11:00am Ken Leipert & Big Steve

Palermo & 9 others

2 trips total 17 cavers at Jones Quarry Cave

Whitings Neck & Indian River Caves

Sat 9:30am Bill Schultz & 8 others

Sat Noon Jess Wilson & 5 others

2 trips total 15 persons at Whitings Neck & Indian River

Dead Dog Cave

Sat 10:30am Joe Lugg & 7 others

Sat 2:00pm Fran Kulpa & 4 others

2 trips total 13 persons

Cricket Maze Cave

Sat 2:00pm Chuck Hoffman & Tim Rose & 7 others

1 trip total 9 persons

Cedar Hill Cave, Vertical trip

Sat 9:30am Nathan Hirneisen & 5 others

1 trip total 6 cavers

Donaldson Cave

Sat 10:00am Kathy Medon & 2 others

1 trip total 3 persons

Saturday afternoon was the vertical obstacle course. Passing showers rained out the event. Tony Canike designed the course.

Also along the line of ropes and such was the zip line. Joe Lugg set up the line across the Back Creek. It was an impressive span.

Saturday's night supper was the Italian feast. Loads of pasta, with Mike Mostardi's home made sauce, bread, and salad. An impressive assortment of deserts followed the meal. A big thanks goes to Mike and all the other volunteers who helped out with the meal. 2 half kegs of Yuengling Lager provided the refreshment. Dan Lanciault provided the beer and supplies. While eating, cavers were entertained with the Bluegrass sounds of Libby and the Stony Creek band. The band played throughout the night providing dancing and entertainment for all those lively cavers. Amos Mincin and crew cleaned up after supper.

After supper, the door prizes were raffled off. Thanks to the following vendors, and individuals for

donating prizes for this event:

Howies Harnesses

Barry Duncan

Karst Sports

Inner Mountain Outfitters

Speleobooks

On Rope 1

Tom Pollock

Mike Mostardi

Dan Lanciault

Fireworks were set off Saturday night. What an impressive show! It ran for well over ½ hours. Alan Horn and Mike Mostardi donated the fireworks and put on the show. As if perfectly cued from mother nature, it decided to rain during the show.

Saturday night was the second night for the monster bonfire. There were rumors of bonfire jumping.

The sauna was nice and toasty Saturday night.

Sunday morning breakfast consisted of the PCC pancake breakfast, with Alan Horn as chef.

The PCC meeting was held Sunday morning. Of note was talk of a possible NSS convention in PA.

Here is a quick overview of the financial stats for the MAR: The total income from the MAR was \$2803. The total expense was \$2840. The majority of the expense was the camping fee (\$1020) and food (\$587). Each grotto lost about \$19 each.

The 2002 Fall MAR all is said and gone. All the planning and preparations, and the event just breezed by in 2 days. But it was a success. Thanks to all the people who helped out and made it run so smoothly.

Uniform Dates for Closure of Caves in PA

This fall there was discussion amongst several grottos, and individuals, about the lack of conformity when it comes to the dates that caves in Pennsylvania are closed for bat protection. Based on the discussion; along with actual observation of bat behavior in Pennsylvania by professional bat observers, and input from both Cal Butchkoski, wildlife biologist with the Wildlife Diversity of the PA Game Commission, and Jim Kennedy of Bat Conservation International, Keith Wheeland of Nittany Grotto has made a motion to make uniform dates for visitation to Pennsylvania caves with significant bat colonies. His motion is printed below. Please take the time to discuss the motion at grottos meetings and come prepared to discuss the motion at the annual MAR Business Meeting.

We may want to discuss what it means to have a significant bat colony. For the common species, we may be talking about 100 or so bats. If there are endangered bats, the numbers would be a lot less.

Motion for uniform dates for visitation to Pennsylvania Caves with significant bat colonies:

- That cave visitors within MAR observe a set of uniform dates for visitation to Pennsylvania caves with significant bat colonies;
- and that the visitation dates be set for May 16 through September 14 (closed September 15 through May 15)
- and that no night visitation (one hour before dusk to one hour after dawn) occur from August 15 through September 14.

Pennsylvania Cave Conservancy Corner

The meeting was called to order by President, Kim Kehs, at the Lazy A Campground in Glengary, WV at 9:45 a.m. Sunday September 22, 2002.

The following officers were present:

President Kim Kehs	Vice President ---
Secretary Karen Bange	Treasurer George Bange

Representatives were as follows:

Bald Eagle Grotto	---
Baltimore Grotto	Craig Hindman
Bucks County Grotto	Katherine Crispin (proxy)
Buffalo Valley Grotto	---
Central New Jersey Grotto	---
Commander Cody Caving Club	Harris Martin
Franklin County Grotto	Pat Minnick
Greater Allentown Grotto	Dean Snyder
Huntingdon County Cave Hunters	---
Nittany Grotto	Keith Wheeland
Philadelphia Grotto	Mike Mostardi
Pittsburgh Grotto	Patty Taylor
Seven Valleys Grotto	Joe Schock
South Jersey Grotto	---
York Grotto	---

Secretary's Report: The minutes from the May meeting were approved as printed in the Breakdown.

Treasurer's Report: There is a balance of \$228.84 in the checking account and \$3,057.80 in the savings account for a total of \$3,286.64.

Web Page Report: No report was available

PCC Bumper Stickers: Keith Wheeland still has PCC bumper stickers to sell at \$2 a piece.

Breakfast Report: The breakfast at the 2002 fall field meet brought in \$360 (72 tickets at \$5 a piece). There was a general thank you to Alan Horn for donating all of the food items and for preparing the breakfast.

T-shirt Report: Dean Snyder has T-shirts for sale.

Growing Greener Grant Money: Harris Martin reminded the caving community to collaborate with other conservancies to maximize grant money.

PCC Brochure Report: George Bange has brochures available for any one interested.

Old Business:

Project Reports:

1. **Baker Caverns**, Franklin County, PA. No change

2. **Dragon Cave**, Berks County, PA. The gate is partially installed. Mike Mostardi will offer PCC's assistance to finish the gating project.
3. **J4**, Centre County, Cherie Picard reported there has been no dialogue with the quarry owners.
4. **McAlisterville Cave**, Juniata County, PA. Keith Wheeland reported everything is status quo with the new gate.
5. **Merkle Cave**, Berks County, PA. There was no report available.
6. **Cleversburg Cave**, Franklin County, PA. Pat Minnick reported there are no problems with the township.

Christmas Card Karen Bange reminded the conservancy that the holidays are approaching. If anyone wants a cave owner added to the holiday card list, please contact Karen. There was discussion to add the owners of Sharer Cave to the list. Karen will follow up with Keith Wheeland to get the mailing information. It was also decided to include a PCC brochure with each holiday card.

PCC Breakfast Alan Horn agreed to do the 2003 Fall MAR breakfast but would appreciate other PCC members volunteering to coordinate the meal at future meets. The PCC voted to pay Alan's registration fee at the Fall MAR.

Cave For Pay No report was available

Legislation Pennsylvania general elections will be held November 2002 with a change in the current administration possible. Harris Martin reminded everyone that this might be a good time to contact key legislators about cave conservation projects.

Mail Dean Snyder received a letter from US Department of the Interior/US Geological Survey Library asking for an updated Pennsylvania Cave Conservancy Update. The last issue they received was May 1985. It was decided that Karen Bange will contact the US Geological Survey Library with PCC's website address.

New Business:

Sharer Cave Keith Wheeland gave an update on the status of Sharer Cave. At the owner's request the Pennsylvania Game Commission gated the cave this past summer. The lock can only be opened with a special bolt and special socket. The socket must be picked up in person from Keith Wheeland, it will no longer be mailed out. There is a limit of one trip per

week in the summer only with a limit of 10 cavers on the trip. Parking is allowed on Route 192 only. All trips must be scheduled in advance.

Pennsylvania Convention Kim Kehs has proposed holding an NSS convention in the Shippensburg area in 2006. Kim has done a lot of the preliminary legwork in preparation for presenting her proposal at the NSS BOG meeting this spring. Dean Snyder voiced concern on the effect (short and long term) of holding a convention in this area. Carol Tideman was able to address this concern having first hand knowledge of hosting an NSS convention. There was a general discussion on the pros and cons of Kim's proposal. A motion was made, and seconded, for the PCC to endorse a 2006 NSS convention in Central PA. There were seven votes in favor and two opposed: Greater Allentown Grotto and Bucks County Grotto were opposed on the grounds of concern for cave conservation and pressure on the local caves.

Geo Cache Keith Wheeland reported on a current trend on the Internet, to access websites for directions

to a cache. People participating in the "hobby" exchange caches in this manner. Caches are filled with trinkets and placed in natural settings. Recently a cache was innocently placed in Tytoona Cave. When it was found, luckily by a caver, it was promptly removed and the person hiding the cache was informed of the removal and reason for it. In the NSS bylaws it is prohibited from hiding a cache in a cave owned by the NSS. A cache can be placed on a NSS cave preserve with prior permission.

Next Meeting: The next meeting of the PCC will be on Saturday February 22, 2003 after the annual MAR Business Meeting

The meeting was adjourned at 10:45 a.m. September 22, 2002

Respectfully submitted,

Karen Bange, Secretary
RR 2 Box 360
Mt Pleasant Mills, PA 17853
(570) 539-2107
rupert@prolog.net

PCC Officer Elections Coming Up

If you are interested in running for an office of the Pennsylvania Cave Conservancy, please let one of the current officers know. Elections will take place at the February PCC meeting. The more the merrier, join in the conservation fun and put your name on the slate of officers!

Show your pride in cave conservation

PCC Bumper Stickers For Sale: The cost, including shipping and handling, is only \$2.50 for each bumper sticker with all profits going to the cave conservation efforts of the PCC

Caves are precious

Pennsylvania c a v e Conservancy

www.caves.org/conservancy/pcc



www.caves.org/region/mar

Send checks (Made payable to PCC) to: Keith Wheeland
2191 Mt. View Avenue
State College, PA 16801-7214

**Bumper Stickers can also be ordered from
the PCC website store at:
caves.org/conservancy/pcc**

Sharer Cave Update/Access Policy

Nittany Grotto Newsletter

Last evening (Aug. 20) at 9:00 p.m. we finished the construction of the gate on Sharer Cave. The gate is locked. During the afternoon the owner stopped in to check on the progress. He was impressed.

Earlier in the day some "spelunkers" stopped by intending to go caving. They ignored the No Trespassing signs and neglected to check with the owner. Needless to say, we discouraged them from visiting the cave. We suggested that they join a caving organization such as the Nittany Grotto.

We still need to paint the structure and grease the hinge. I will be planning a trip to do that sometime in the near future. Volunteers welcome.

The Nittany Grotto thanks all those who helped on the project. A detailed report will appear in the next NGN.

Do you Own Every MAR Bulletin?

John Pearson

Bubble Cave LLC recently reprinted Bulletins 5, 6, 7, 8, 9, 14 and 15 for the MAR. At the February 23rd MAR Business meeting, John Pearson, one of Bubble Cave's managers at the time, offered to reprint the Bulletins at no cost to the MAR. The offer was accepted and on March 20th, John and Bette White met after the Nittany Grotto meeting in State College to formalize the copying process. The reprints are of an excellent quality with all covers reproduced on the original color card stock using the original cover work. Maps previously consisting of two sheets were consolidated into one easier to use foldout. John would like to thank Gordon Birkhimer, who was essential to the completion of the project.

Bubble Cave LLC is a privately held cave conservancy based in West Virginia with members from Pennsylvania, Maryland, Virginia, West Virginia and North Carolina. It has assisted the Mid-Atlantic Karst Conservancy raise money with the sale of micro-blasting rods and has raised money for the West Virginia Cave Conservancy by having a pig roast at OTR. It has also raised money for the Southeastern Cave Conservancy Inc., the Northeast Cave Conservancy and the NSS Tytoona Cave Preserve fund. During this year's NSS Convention, one member, 16 year old Garrett Beck, raised \$132 selling Mardi Gras beads to help the Wisconsin Speleological Society raise funds to help save Wequiock Cave from road construction damage.

Silers Cave Gate Repairs

By Jim McConkey

Silers Cave, near Martinsburg, WV, is the second longest cave in the panhandle of West Virginia, and the longest cave in that area generally open to cavers. The maze cave has over 8200 feet of passage. It has a rare geologic fault and a few nice formations, but is mostly remembered for its mud! Because of its size and location, it is a very popular caving destination for MAR and VAR cavers. The Sligo Grotto has managed the cave for the non-resident landowner for over 25 years.

The management agreement calls for Sligo to keep the cave gated. For the last 20 some years, a barrel with a manacle across the end has served as the gate. The gate has alternately been damaged by vandals and repaired by cavers for years. The vandals have gotten more determined and/or numerous in recent years. A serious new gate containing almost two tons of steel was finally installed in the spring of 2001 by a large crew of mostly VAR cavers. Sligo and Baltimore Grottos organized and funded the project with the proceeds of the joint VAR they ran a couple years earlier. Many MAR cavers had expressed a desire to help, but couldn't make it for various reasons.

In our rush to complete the project in one weekend, we apparently forgot to weld just one of the bars in the gate. The bar was wedged so tightly at the time that no one noticed it was not welded. Of course, it took vandals no time to find the weakness! They found they could remove the bar, squeeze in and destroy the main lock from inside the cave. They were kind enough, however, to put the bar back in place after they had used it. Because they had to squeeze past and slime a nice column in the process, we decided to leave the gate open until repairs could be made to minimize damage to the cave.

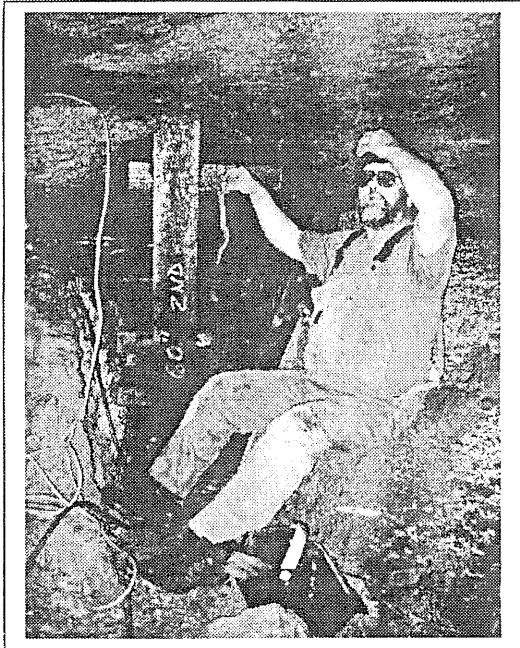
The recent Fall 2002 MAR meeting at the Lazy-A campground, just down the road from Silers, turned out to be an ideal time to make the necessary repairs. We asked all MAR attendees visiting Silers that weekend to help haul a large generator, an arc welder, concrete, and other supplies up to the cave on their way in, but otherwise told them to enjoy their trip. John Pearson, Craig Hindman, Mike Eppley, Meredith Hall Johnson, and myself spent the day repairing the unwelded bar, removing the old manacle gate, and blocking off a crawlway which was a potential bypass to the gates. We accomplished everything we set out to do, and the cave is once again locked and secure, at least until the next vandal attack. A

great big Thank You to all MAR cavers who helped with the repairs!

In accordance with the landowner's wishes, and to protect a rare amphipod, access to the cave is limited to two trips a month, and absolutely no cave-for-pay operations are permitted. The cave has its own e-mail for obtaining access: SilersCave@myrealbox.com. It is set up to automatically reply to all inquiries with the access restrictions and current bookings. If you just want to check when the cave is available, just send a blank

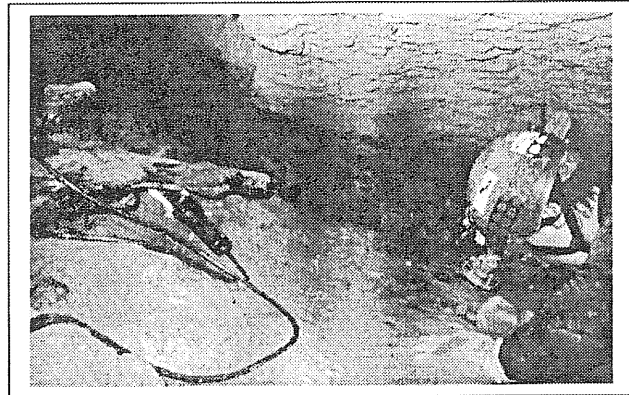
message with "Just Checking" in the subject. If you write back requesting a date, I will e-mail a confirmation back. Those without e-mail can call me at 410-526-6224. Now that the cave is locked again, I will need time to send you the key. Please do not call on Friday expecting to get in over the weekend!

More information on the cave, along with pictures of the new gate construction and repair projects can be found at <http://www.caves.org/grotto/sligo/silers.htm>.

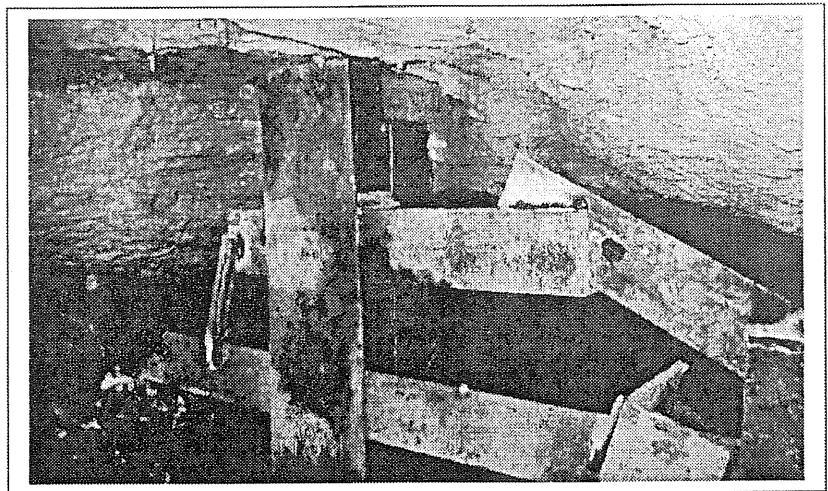


Craig Hindman inspects the gate and finds part of a vandal's pants. The crooked bar was never welded.

Please give a round of applause to Meredith Hall Johnson, John Pearson, Mike Eppley, Craig Hindman and Jim McConkey for all their continuing efforts to make cave vandal's lives miserable, and to all the MAR cavers who helped haul equipment and supplies for us!



Meredith Hall Johnson inspects the final block side lead.



Some extra pieces are added to the gate.

MAR SPRING MEET

In conjunction with the VAR Spring Meeting
At the Old Timers Campground, Dailey, West Virginia

May 9-11, 2003

You are invited to the Spring 2003 meeting of the Mid-Appalachian Region of the NSS. The event will be held at the site of the annual Old Timers Reunion near Dailey, WV, on May 9-11, 2003. There will be caving, dinner, a program, a party, and generally, a good time in relaxed atmosphere.

Why Attend? If you are new to caving, or you have never attended a MAR meeting, this is a great way to meet other cavers, see some new caves, check out the vendors, and see what is happening in the Regions (MAR & VAR).

Camping & Facilities: The Old Timers Reunion site hosts 2,100 cavers for OTR each year so there is plenty of room for camping. There are hot showers, city water, and portable toilets. Unfortunately, it will be too early in the season to have the sauna & hot tubs operational. There are no electric or sewer hookups.

Special Cleanup Trip: The conservation-project at this MAR will be to help VAR clean-up of Sharps Cave, a multi-mile cave located about an hour's drive south of the campground. Participants will also have the opportunity to tour the cave while helping to clean it. Lunch will be served to workers outside the cave.

Cave Trips: There will be several led trips to caves relatively close to the campground. Most of these trips are suitable for novices and all will return in time for dinner. There will be signup sheets at registration. There will also be a guidebook describing the area's caves and driving directions to them for those who wish to go caving on their own. MAR is looking for trips and trip leaders to help VAR.

Saturday Dinner: Dinner on Saturday will be catered by Koonie's Road Kill Grill. The menu for carnivores will be slow-cooked beef BBQ, but there will also be a vegetarian option.

Sunday Breakfast: VAR's Front Royal Grotto will be hosting a Fundraiser Pancake Breakfast on Sunday Morning.

Saturday Evening Program: After dinner on Saturday there will be a presentation by Craig Stihler on bats in West Virginia. Craig works for the WV Dept. of Natural Resources and is an expert on the bats in the state.

Vendors: We expect to have several speleo-vendors and this will be a good opportunity to purchase caver related items.

Directions: The campground is located off US 219 about 10 miles south of Elkins, WV. If you are coming from the north, go south on US 219 for about 8.5 miles after the stoplight at US 33 on the south side of Elkins. Turn left after the huge Bruce Hardwood factory onto Back Road 38. The campground is on the right in about a mile. From the south go about eight miles north of Mill Creek and turn, right on Back Road 38 after you pass through the hamlet of Dailey.

More Info: Check the latest MAR (VAR) information at www.psc-cavers.org/springvar2003.html. If you have any questions please contact Bob Gulden at (410) 674-4474 or caverbob@aol.com.

Spring 2003 MAR Meeting Preregistration Form

Name: _____ For Name Tag: _____

Address: _____

City: _____ State: _____ ZIP: _____

Phone: _____ E-mail: _____

Vegetarian meal? _____ Number of people @\$16.00 per person: _____ Amount enclosed: _____

Preregistration cost is \$16 per person (includes \$1 for the MAR and \$4 for subscription to the MAR Newsletter), on-site registration is \$20. Send this form and a check payable to "DC Grotto," to Spring MAR, c/o Bob Gulden, 1333 Chapelview Dr., Odenton, MD 21113. Payment must be received by May 3, 2003. If you want to register multiple people, please include their names on the back of the form.

MAR Breakdown
RR 2 Box 360
Mt Pleasant Mills, PA 17853

Mid-Appalachian Region Bulletins [including reprinted Bulletins]

NSS Member Price List
Effective May 2002

1-4	REPRINT VOLUME: Bulletins #1-4		7.00 + postage
5	REPRINT VOLUME: Caves of Western PA	29 caves, 19 maps 76pp	8.00 + postage A
	Armstrong, Clarion, Fayette, Lawrence, Mercer, Somerset, Venango, Westmoreland Counties		
6	REPRINT VOLUME:	93 caves 69 maps/5 large maps 126 pp	12.00 + postage B
	Caves of Southern Cumberland Valley, Cumberland, Dauphin, Franklin Counties		
7	REPRINT VOLUME: Caves of Fulton Co., PA	4 caves, 4 maps 17pp	5.00 + postage A
8	REPRINT VOLUME: Caves of Blair Co., PA	89 caves, 40 maps 90 pp	7.00 + postage
9	REPRINT VOLUME: Caves of Huntingdon Co., PA	94 caves, 36 maps	10.00 + postage B
10	Caves of Snyder Co., PA	20 caves, 14 maps	5.00 + postage A
11	Caves of Centre Co., PA	71 caves, 56 maps/1 large map	10.00 + postage B
12	Caves of Mifflin Co., PA	47 caves, 31 maps/5 large maps	10.00 + postage B
13	Caves of Perry Co., PA	13 caves, 6 maps	5.00 + postage A
14	REPRINT VOLUME: Caves of Bucks Co., PA	24 caves, 6 maps 43 pp	5.00 + postage A
15	REPRINT VOLUME: Caves of Lehigh Co., PA	25 caves, 13 maps 35 pp	6.00 + postage A
16	Caves of Northampton Co., PA	24 caves, 13 maps/1 large map	6.00 + postage A
17	Caves of Northumberland Co., PA	20 caves, 10 maps	5.00 + postage A
18	Caves of Berks Co., PA	64 caves, 32 maps	10.00 + postage B
19	Caves of Bedford Co., PA	54 caves, 33 maps	7.00 + postage A
20	Caves of Westmoreland Co., PA	337 caves/187 maps/10 large maps	29.50 + 3.00 each

U.S. Postage:

A \$1.80 postage first copy; \$0.50 each additional to same address.

B \$2.00 postage first copy; \$0.50 each additional to same address.

♦ \$3.00 postage for each bulletin #20

MAR Bulletin Orders: Please make checks payable to MAR. All checks must be payable in US dollars on US bank or US money order

Order from: Bette White, RR 1 Box 527, Petersburg, PA 16669-9211