



BREAKDOWN

Volume 32, Number 3, January 2018

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-

Event notices and MAR Breakdown newsletters are distributed electronically. When you attend a field meet, the email address provided on your registration form is added to the distribution list. You may also add yourself to distribution by going to <http://eepurl.com/P2f5j> and completing a short registration form.

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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MAR BUSINESS MEETING SET FOR FEBRUARY 24, 2018 PCC MEETING TO FOLLOW

The Mid Appalachian Region Business Meeting will be held at Mt. Laurel Church of God, Harrisburg, PA on Feb 24, 2018 at 1:30 p.m.

You will find additional information and directions on pages 2-3

A meeting of the Pennsylvania Cave Conservancy (PCC) will follow the MAR Business Meeting



Inside Page

Details on the 2018 Business Meeting Site	2
2018 Spring MAR Announcement	3
2018 Fall MAR Announcement	3
MAR Treasurer's Report	4
MAR Bulletin Sales Report	5
The Future of the MAR Bulletin	6
Cave Conservation: Information and Tips for Graffiti Removal	7
PCC Minutes	9
PCC Officer Elections	11
2018 Upcoming Events	12
MAR Bulletins for Sale	14

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MAR BUSINESS MEETING
February 24, 2018 at 1:30 pm
Mount Laurel Church of God
1295 Piketown Road, Harrisburg, PA 17112

The next MAR annual business meeting will be held at the Mt. Laurel Church of God (the same location as last year). The church is located at 1295 Piketown Road, at the intersection with Sleeping Hollow Road and Appalachian Trail, in W. Hanover Township, Dauphin County, Pennsylvania (just East of Harrisburg).



The meetings will be held in the Small Meeting Room located down stairs from the main church (same room as last year). The entrance to the room is at the small handicap parking lot on the lower level of the church. Ample parking with snow removal is at the top of the hill across from the cemetery and the church. **PLEASE DO NOT PARK IN THE FIRE HOUSE PARKING LOT!**

A path up the steps and to the right side of the church leads down to the handicap parking lot and the hall entrance. Use the side entrance door, it will be marked “MAR”.

The MAR meeting attendees will have use of the small meeting room with kitchen and clean modern bathrooms next to the meeting room. The facilities are heated and quiet, eliminating the problems some had hearing meeting discussions at the previous location. The rest of the hall will be off limits.

We do not have use of the large meeting hall, stage, or any equipment we do not own. Tables and chairs will be provided but we must set them up and take them down. Also, no open flames please! Judi Stack will provide the tablecloths for the tables as well as signs for the recycling, trash, and entry door. Recycling containers for plastic bottles and aluminum cans will be placed near the kitchen. PLEASE use them to reduce the amount of trash that must be disposed of. These containers will be marked RECYCLING or TRASH. Everyone’s cooperation will be greatly appreciated!

Please don't forget to bring a covered dish for the after-meeting meal. A sign-up sheet is available to help MAR covers plan for the event. The sign-up sheet can be found on the MAR website

(http://caves.org/region/mar/busnmtg_foodsignup.htm). Please consider a dish that you wish to bring to the meeting to share with other hungry cavers. Also be sure to bring your non-alcoholic beverage of choice. The MAR will, once again, be providing warm beverages (coffee/tea/hot cider) for the meeting attendees. Please Note: alcoholic beverages are **NOT** permitted on the church grounds.

Directions:

From the East on Interstate 81 Southbound and/or Interstate 78:

Exit Interstate 81 at Exit 77 (Route 39). Bear right onto Route 39 West (Linglestown Road).

From the West on Interstate 81 Northbound:

Exit Interstate 81 at Exit 77 (Route 39). Bear left onto Route 39 West (Linglestown Road).

Once on Route 39 (Linglestown road), proceed 0.6 miles to N. Fairville Ave. (pass McDonalds, Perkins, and various truck stops). Make an immediate right onto N. Fairville Avenue at the Holiday Inn Express and proceed approximately 2.8 miles from Route 39. Bear left several times to stay on N. Fairville Avenue (there are several jogs in the road). Turn right onto Piketown Road and proceed up over the mountain approximately 0.7 miles to the intersection with Sleepy Hollow Road and Appalachian Trail. The Mt. Laurel Church of God is located on your right side (east of Piketown Road) and the West Hanover Fire Company is located across the street on the left side (west of Piketown Road). Additional church parking is available at the lot diagonally across the intersection from the church. A cemetery is located across the street from the parking lot area.

From the North on S.R. 322:

Exit S.R. 322 at the North Front Street exit (Fort Hunter). Proceed several hundred feet and turn left onto Fishing Creek Valley Road (S.R. 443 East). Proceed approximately 7.3 miles and turn right onto Sleepy Hollow Road. Proceed on Sleepy Hollow Road for approximately 1.8 miles to intersection with Piketown Road. The church is located directly in front of you at the intersection.

2018 Spring MAR

Loyalhanna Grotto is planning on hosting the Spring 2018 Field Meet. The tentative location will be in the Western Pennsylvania area. More details will be posted on the MAR web site as they become available (<http://caves.org/region/mar/fieldmeets.htm>).

2018 Fall MAR

In celebration of their 70th Anniversary, Nittany Grotto plans to host the Fall 2018 Field Meet. The tentative location will be the Rupert Cave Preserve in Mifflin County, Pennsylvania. More details will be posted on the MAR web site as they become available (<http://caves.org/region/mar/fieldmeets.htm>).

Form 990-N was submitted to IRS and was accepted on January 17, 2018

MAR FINANCIAL STATEMENT: February 24, 2018

Gross Assets: February 25, 2017

Checking:	658.88
Savings: 24,216.58 – 3,494.35 =	20,722.23
[in savings: Bkdn \$2,803.96 + Cave Signs 690.39]	3,494.35
Total	24,875.46

Gross Assets: February 25, 2018

Checking:	230.48
Savings: 15,224.56 – 3,494.35 =	11,730.21
[in savings: Bkdn \$2,803.96 + Cave Signs 690.39]	3,494.35
[in 3-year CD \$10,000.00 at Reliance Bank]	10,000.00
Total	25,455.04

Net Income (Gain/Loss) for 2017

579.58

ITEM	INCOME	EXPENSES	NET
INTEREST Savings	7.98		7.98

MAR FIELD MEETS

**Spring ` 2017 Central Connecticut Grotto
and Philadelphia Grotto**

NO INCOME OR REPORT SENT IN

MAR Income: xx persons @ \$1.00 ...= \$xx.00

Regis. – Expen =

Spring MAR/NRO Profit...xx.00 + 0.00 profit=x.00

Fall 2017 xxxxxxxx Grotto There was no Fall MAR

MAR Income: xx persons @ \$1.00= xx.00

Reg-Exp=\$x,xxx.xx – x,xxx.xx = \$xxx.xx

Fall MAR Profit \$xx.00 + 25% (\$ xx.xx profit) =

Web Fee: Dec 19, 2016 fee	12.00
Annual Meeting Site Rental	50.00
Annual Meeting coffee/tea/cider (no charge)	
Meeting Donation for drinks	37.00
Field Meets/Web: Net	-25.00

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MAR Bulletin sales

MAR 20:: **\$5,220.64** - (sold 2 @ 29.50) =

\$5,161.64 short of recovering cost

Bulletin sales 731.00 + 30.00 P&H: =	761.00
Postage	58.40
MAR #14	106.00

MAR Bulletin Sales: Net**596.60**

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MAR BREAKDOWN

[Breakdown balance: \$2,851.13 - 47.17 = \$2,803.96]

.....

CAVE LAW SIGNS (previous balance \$690.39)

[Cave sign balance = \$690.39]

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Totals..... **805.98** **-226.40**.....**579.58**

Elizabeth L. White, Treasurer

Of Further Interest

Bulletin Sales Feb 2017 – Feb 2018

Bulletin #	Number Sold	Price/Bulletin	Bulletin Income	Bulletins + postage
1-4	1	\$ 7.00	7.00	
5	2	\$ 8.00	16.00	
6	1	\$17.00	17.00	
7	2	\$ 5.00	10.00	
8	3	\$ 7.00	21.00	
9	7	\$10.00	70.00	
10	2	\$ 6.00	12.00	
11	5	\$10.00	50.00	
12	3	\$10.00	30.00	
13	3	\$ 5.00	15.00	
14	4	\$ 5.00	20.00	
15	2	\$ 6.00	12.00	
16	1	\$ 6.00	6.00	
17	2	\$ 5.00	10.00	
18	1	\$10.00	10.00	
19	4	\$ 7.00	28.00	
20	2	\$29.50	59.00	
21	6	\$27.50	165.00	
22	10	\$16.00	160.00	
Totals	61-		731.00	761.00

THE FUTURE OF THE MAR BULLETIN

Subtitle: DOES THE MAR BULLETIN HAVE A FUTURE?

Submitted by Will White

I talked about the MAR Bulletin and where it might (or might not) be going at the 2017 MAR business meeting. Here is a continuation of those thoughts.

To review some history, the MAR Bulletin was invented in 1954, just after the MAR was created as an organization. The first three issues were abstracts and reports of meetings but from 1958 onward the MAR Bulletin has been the formal record of the Pennsylvania Cave Survey. To date, there have been 19 cave survey documents, the last being MAR Bulletin 22 on the Caves of the Middle Susquehanna Valley. The history has shifted. From Bulletin 4 in 1958 to Bulletin 20 in 1996, new bulletins were published every couple of years. The last of these was Kim Metzgar's *magnum opus* on Westmoreland County in 1996. That's 20 years ago! Since then, it's been just a matter of cleaning out the files. MAR Bulletin 21 on Tytoona and Kooken Caves (2012) was a compilation of historical and technical information on the caves as well as an opportunity to publish the excellent new map of Kooken Cave. MAR Bulletin 22 (2016) is a collection of cave data but the field work was done in the early 1990's and publication dragged on for a long time. And, that's it. The editorial in-box is empty.

So, where does the MAR Bulletin go from here? With the publication of MAR Bulletin 22, we have nearly complete coverage of Pennsylvania's cave areas. Only a few counties, most with very few caves, have no coverage at all. However, many of the early compilations are badly out of date. New caves have been discovered, old caves have been extended, many caves have been re-mapped, and a few caves have been lost to quarries or bulldozers. Many cave counties would benefit from new compilations of cave data. Some of these may be underway. There exists a compilation of caves in Huntingdon County that has not been brought to completion. There are new cave data for Fayette County, Franklin County, and Centre County to name only a few. What seems to be missing are concrete plans to bring these compilations to formal publication.

Therefore, the question: Given the 20-year hiatus following almost 40 years of productivity, is there any point to producing more paper documents? It would be a matter of compiling descriptive text, maps, and photographs. Editorial work is not an issue. Bulletin manuscripts don't have to be final copy. MAR Bulletin 19 on Bedford County arrived in a cardboard box full of loose sheets of paper in random order. Money is not an issue. The MAR is in good financial shape and can easily bankroll new Bulletins.

Again, the question: In an age of computers, the internet, and electronic data bases, is there any place for a shelf-full of bound sheets of paper? We should raise this question at the MAR business meeting. If the answer is yes, we should compile a list of MAR Bulletins "in preparation" along with names of individuals who will take on the responsibility of getting the individual Bulletins together. If the answer is no, we can close the books and boot up our computers.

Cave Conservation: Information and Tips for Graffiti Removal

Information compiled by Carol Tideman

Graffiti

The Federal Government considers signatures over 50 years to be historic. Many cavers and landowners think 100 years to be more appropriate. So, before you do anything, you need to establish how much you should remove.

Rule #1: DO NO HARM (to the cave, cave critters, cave environment, historic artifacts or historic signatures.) If you cannot safely remove the graffiti, then STOP and reconsider your plans.

TOOLS

The basic tools: - many are available at a 'Dollar Store'.

- **SAFETY GEAR FOR CAVERS:**
 - Goggles or face shield.
 - Dust mask.
 - Waterproof gloves (Nitrile gloves) (dishwashing gloves) when using peroxide or other chemicals.
 - Clean caving clothes & boots; if using chemicals, wear old stuff you don't care about, or a TYVEX suit.
- Stiff nylon brushes - like a nail brush. Handled scrub brushes are fine.
- Tooth brushes
- Foam paint brushes
- Flexible plastic scrapers - plastic forks, spoons, knives can be substituted.
- Dental picks
- Art gum erasers
- Soft, closed-cell synthetic sponges - usually yellow or blue (to create "sponge dams" to sop up or prevent runoff)
- Cheapo plastic measuring cup.
- 12-15 oz. drinking cups, recycled Cool Whip containers, etc. - small containers to hold dirty brushes, to hold rinse water.
- Puppy pads or similar material to collect water and paint chips that fall.
- Clean LINT FREE towels or shop cloths.
- Buckets or plastic 'cat litter containers with lids' - to carry in tools and carry out debris.
- Plastic sheeting.
- 30 gallon leaf or trash bags - to contain drips, spills, etc. Place everything to be thrown away **in** the 30 gal. bags.
- Slider closure Zip Lock bags - quart and gallon sizes. To hold dirty brushes, etc. and for small pieces of metal, broken glass, wire, etc. that should be picked up, removed from cave during conservation project.
- Clean Spray bottles - no chemical use history other than peroxide.
- Clean garden sprayers/hand pumps - no chemical use history - Water Only!
- Unchlorinated water: Well or spring or cave water is best.
 - If using tap water: Allow tap water to sit in open container for 48 hours to de-gas the chlorine.
 - Distilled water can also be used.

- Hydrogen Peroxide:
 - Salon 20, Salon 30 Peroxide (12% peroxide, found at 'beauty stores'. Get 'regular'; Do not use gel formula.)
 - Food grade Peroxide (30% - 35% peroxide, found at health food stores. Caustic! MUST be diluted with water before using!)
 - Avoid OTC 'medical' Hydrogen Peroxide in brown bottle: it is 3% = too weak for removing paint.

NOTE: Wire brushes are **not** recommended. They can leave permanent scratches on the rocks. Also, any shed bristles will rust in the cave and can leave permanent stains on flowstone.

Removing spray paint.

- Regardless of the removal method, there should be something put down to try to collect and remove the paint chips.
- If the paint was applied to a wet wall, it may be removed by spraying water on it.
- If the paint was applied to a dry wall, scrubbing with nylon brushes is the first line of attack.
- If most of the paint comes off, try water and brushing on the remainder.
- Sometimes tooth brushes and dental picks are needed to remove paint from crevices.
- If there are significant amounts of paint left, spray on the 12% - 15% peroxide and give it about 20 minutes to work on the paint. The peroxide breaks down to water and becomes harmless. After 20 minutes, brush with a nylon brush, flush with water if needed.
- Periodically clean/rinse scrub brushes during removal. A clean brush works better than a dirty one.
- If everything else fails, cover with cave mud. The mud is acidic, and can loosen the paint over time. Unfortunately, depending on the nature of the cave, this may be a temporary fix.

Permanent marker

- Treat the same as paint.
- 91% isopropyl alcohol (rubbing alcohol) will remove ink, permanent marker from surfaces - but it is poisonous to the environment.

Pencil

- Water and a brush works best.
- A non-abrasive eraser works, but you need to catch the eraser bits and remove them from the cave.

Source: **Cave Conservation and Restoration (2006 Edition)**, edited by Val Hildreth-Werker and Jim C. Werker.
NSS



Pennsylvania Cave Conservancy, Inc.

P.O. Box 373, Neffs, PA 18065

Minutes of Regular Meeting – October 1, 2017

The meeting was called to order at 10:30 am by President David Briggs at 81 Appalachian Drive, Carlisle, PA on Sunday, October 1, 2017.

The following officers were present: **President** D. Briggs **Vice President** A. Filer
Secretary G. Schock **Treasurer** J. Boswell

Representation was as follows:

Bald Eagle Grotto	---	Greater Allentown Grotto	Dean Snyder
Baltimore Grotto	Craig Hindman	Huntingdon Co. Cave Hunters	---
Bucks County Grotto	Steven Warneck	Nittany Grotto	---
Central New Jersey Grotto	---	Philadelphia Grotto	---
Commander Cody Caving Club	---	Seven Valleys Grotto	Gretchen Schock
Franklin County Grotto	Pat Minnick	York Grotto	Andy Filer (proxy)

Secretary Report: Craig Hindman moved and Pat Minnick seconded to accept the minutes from the May 20, 2017 meeting as published in the August 2017 MAR Breakdown. The motion passed.

Treasurer Report: John Boswell provided the PCC account activity since the last meeting:

Pennsylvania Cave Conservancy Financial Summary 5-20-17 Thru 10-01-17

Interest Checking Account

Checking Balance 5/20/17	F&M Trust Bank checking	5/20/2017	\$8,172.31
Check #1004	CCD Trash Disposal McAlisterville	5/20/2017	(\$337.10)
Check #1005	Sal's Pizza McAlisterville	5/20/2017	(197.16)
Deposit	Interest Credit	5/31/2017	\$0.35
Deposit	Interest Credit	6/30/2017	\$0.31
Deposit	Interest Credit	7/31/2017	\$0.33
Deposit	Franklin County Grotto Donation	8/18/2017	\$50.00
Deposit	Interest Credit	8/31/2017	\$0.32
Ending Balance :			\$7,689.36

SAVINGS ACCOUNT (CDs):

Maturity Date

Certificate of Deposit *75	F&M Trust Bank CD	7/27/2017	\$1,119.10
Certificate of Deposit *29	F&M Trust Bank CD	7/27/2017	\$1,119.10
Certificate of Deposit *65	F&M Trust Bank CD	7/27/2017	\$1,119.10

* \$1.39 Interest credit applied to each 7/31/2017

COMBINED TOTAL :

\$11,046.66

Web Page: Dave Briggs announced the new PCC web site should be available soon, hopefully by the February 2018 meeting. He plans to implement a soft start of the new site to allow for review and evaluation.

PCC Breakfast: No new information to report.

PCC Brochure: George Bange and Dave Briggs have a supply of brochures available. Anyone interested in obtaining brochures should contact George or Dave.

Mail: Dean Snyder reported that he had checked the PCC mail box the day prior to the meeting and no mail had been received.

Christmas Cards: Karen continues to manage the yearly distribution of Christmas cards to cave landowners. Please contact Karen if you know of a landowner you would like added to the PCC Christmas card list.

T-shirts: The PCC t-shirts are available for purchase on the PCC web site for \$15, which includes shipping and handling.

PA Cave Database: No report.

OLD BUSINESS:

Project and Caves of Interest List:

McAlisterville Cave (Juniata County) – Dave Briggs noticed some trash accumulated during a recent trip to McAlisterville cave. The trash consisted of fast food bags, etc. Anyone planning a trip to the cave is encouraged to continue with litter cleanup during their visit. Jeff Herman has also been monitoring the McAlisterville cave area and reported a large tree falling near the entrance to the cave. The downed tree isn't blocking access to the cave but the PCC may want to consider cutting it up and moving it from the entrance area. Carol Tideman suggested the PCC send a thank you note to CCD Trash Disposal in McAlisterville for their generous donation during the cleanup effort last Spring.

McClure Cave (Snyder County) – Paul Winter had sent an email notification to the PCC Board on July 20, 2017 indicating that McClure Cave has been gated. The land owner is very thankful and access is good. The owner has a key, as well as some locals she has designated. Feel free to contact the PCC County Steward for Snyder County with any questions about access. An official management plan is in the works but the owner is currently approving all trips to the cave. Paul was under the impression that the gate builder may be donating the materials and labor for the gate, so the only expense will be some long life paint for the gate. He expects the costs to be less than \$100.

Red Church Cave (Schuylkill County, PA) – There are plans to install a cave conservation sign as well as a roof over the cave entrance to provide additional protection from debris falling into the entrance. Dean Snyder mentioned that there was also some graffiti cleanup work that could be done inside the cave. Craig Hindman offered the use of some of his tools to Ed Kehs and Dean Snyder to assist with some cave gate latch modifications.

NEW BUSINESS:

Northumberland County Cave Cleanup Project: Andy Filer has been involved in conversations with a cave landowner in Northumberland County. The potential cleanup project would include two area caves with the second cave being owned by the landowner's brother-in-law. The effort would involve removal of

trash including possibly hundreds of tires and other large items. Andy will be checking with the landowner regarding possible overnight accommodations (camping area, etc) for the cleanup teams. More details will be provided during the February 2018 meeting.

PCC Meeting Improvements: Dave Briggs encouraged members to share ideas and suggestions on ways to improve our PCC meetings.

Pennsylvania Game Commission (PGC): The PCC has been working with the Pennsylvania Game Commission (PGC) to establish a good working relationship between cavers (PCC) and the PGC. Andy Filer will talk with Mike Scafani about offering PCC assistance on efforts/projects that present a common interest for both of our organizations.

Cold Air Cave: Dean Snyder suggested that Cold Air cave be considered as a potential conservation project site. Dean stated Cold Air cave is located in the Delaware Water Gap area and had operated as a show cave from the 1870's until the 1960's. Pat Minnick moved and John Boswell seconded to authorize Dean Snyder to draft a letter on behalf of the PCC to contact the park authorities regarding a cleanup effort for Cold Air cave. The motion passed. The letter will be reviewed by Dave Briggs prior to being sent. Dean will be provided with PCC letterhead as well as a PCC brochure to accompany the letter.

Spring MAR 2018: Hope Brooks had sent notification to the MAR officers via email indicating that Loyalhanna Grotto is planning to host the Spring 2018 Field Meet. More details will be posted on the MAR web site as they become available.

Fall MAR 2018: Nittany Grotto is planning to host the Fall 2018 Field Meet in honor of Nittany Grotto's 70th Anniversary. More details will be posted on the MAR web site as they become available.

Next meeting: The next meeting of the PCC will be held on Saturday, February 24, 2018 at the Mt. Laurel Church of God, Dauphin County, Pennsylvania following the MAR Business meeting. For directions and details, please see the MAR Web Site (<http://www.caves.org/region/mar/main.htm>).

Dean Snyder moved and Pat Minnick seconded to adjourn the meeting. The meeting was adjourned at 12:00 pm.

Respectfully submitted,
Gretchen (Red) Schock, Recording Secretary

PCC Officer Elections

There will be a PCC meeting February 24, 2018 following the MAR Business Meeting. It is at this meeting that PCC officers are elected. Anyone wishing to run for office can put their name on the ballot by contacting any PCC officer.

Cave conservation and protection can only happen if we all work together towards the same goals.
Get involved with PCC!

2018 Upcoming Events

<p>MAR Annual Business Meeting</p> <p>Mt. Laurel Church of God 1295 Picketown Road, Linglestown, PA URL: www.caves.org/region/mar/busnmtg.htm</p>	<p>February 24, 2018</p>
<p>Butler Cave Conservation Society (BCCS)</p> <p>Butler Homestead Burnsville Cove Area, Virginia (Bath County) Pancake Weekend! Highland County Maple Sugar Festival Hosted By: BCCS URL: www.butlercave.org</p>	<p>March 17-18, 2018</p>
<p>The Sinkhole Conference, Joint 3rd Appalachian Symposium</p> <p>Shepherdstown, West Virginia URL: http://www.sinkholeconference.com/</p>	<p>April 2-6, 2018</p>
<p>Grand Caverns Easter Restoration Field Camp</p> <p>Grand Caverns Grottoes, VA (Augusta County) 26th Annual Hosted By: Conservation Committee of the Virginia Region (VAR) URL: var.caves.org/index.php/events/easter-at-grand-caverns Contact: Meredith Hall Weberg </p>	<p>April 20-22, 2018</p>
<p>'18 Spring VAR Field Meet</p> <p>Location: Hungry Mother Lutheran Retreat Center Hungry Mother State Park Marion, VA (Smyth County) Hosted By: Walker Mountain Grotto URL: var.caves.org/</p>	<p>April 27-29, 2018</p>
<p>'18 SERA Cave Carnival</p> <p>Locations: Maranatha Camp and Conference Center Near Scottsboro, AL (Jackson County) 67th Annual Hosted By: Birmingham Grotto URL: www.bhamgrotto.org/sera2018</p>	<p>May 3-6, 2018</p>
<p>'18 Spring MAR Field Meet</p> <p>Western Pennsylvania (TBA) Hosted By: Loyalhanna Grotto URL: www.caves.org/region/mar/fieldmeets.htm</p>	<p>Spring 2018</p>
<p>'18 Kentucky Speleofest</p> <p>Lone Star Preserve Bonnieville, Kentucky (Hart County) 47th Annual Hosted By: Louisville Grotto URL: http://louisville.caves.org/speleofest.shtml</p>	<p>May 25-28, 2018</p>
<p>Butler Cave Conservation Society (BCCS)</p> <p>Butler Homestead Burnsville Cove Area, Virginia (Bath County) <i>Homestead and Caving Project Weekend</i> Hosted By: BCCS URL: www.butlercave.org</p>	<p>May 26-28, 2018</p>
<p>'18 Spring NRO Field Meet</p> <p>Privacy Campground Williamstown, Massachusetts Hosted By: Northern New Jersey Grotto URL: https://www.facebook.com/events/169018093866560/</p>	<p>June 1-3, 2018</p>

2018 Upcoming Events (cont'd)

- NSS Convention** July 28-August 4, 2018
Helena, Montana
77th Anniversary
URL: <http://nss2018.caves.org>
<https://www.facebook.com/nss2018>
- Old Timers Reunion (OTR)** August 30-Sept. 3, 2018
OTR Site/Campgrounds
Dailey, WV (Randolph County)
69th Annual
URL: www.otr.org
- '18 Fall MAR Field Meet** Fall 2018
Location: TBD
70th Anniversary
Hosted By: Nittany Grotto
- '18 Fall NRO Field Meet** Fall 2018
Locations: TBA
Hosted By: TBA
- '18 Fall VAR Field Meet** Fall 2018
Location: TBA
Hosted By: TBA
URL: var.caves.org
- '18 TAG Fall Cave-In** October 4-8, 2018
TAG Site (Little River), Lookout Mountain
Near Trenton, GA (Walker County)
41st Annual
Hosted By: Dogwood City Grotto
URL: www.tagfallcavein.org
- Butler Cave Conservation Society (BCCS)** October 6, 2018
Butler Homestead
Burnsville Cove Area, Virginia (Bath County)
Annual Membership Meeting
Hosted By: BCCS
URL: www.butlercave.org
- '18 Bridge Day** October 20, 2018
New River Gorge Bridge
Fayetteville, WV
39th Anniversary
URL: www.officialbridgeday.com -or-
www.nps.gov/neri/bridgeday.htm -or-
www.bridgeday.info/

NSS MEMBER PRICE LIST

(Effective January 2018)

MID-APPALACHIAN REGION BULLETINS (including reprinted Bulletins)

1-4	Bulletins Caves of Shippensburg Area #1-4	REPRINT		7.00 + postage A
5	Caves of Western PA:	REPRINT	29 caves, 19 maps	8.00 + postage A
6	Caves of S. Cumberland Valley	REPRINT	93 caves 69 maps+6 large maps	17.00 + postage B
7	Caves of Fulton Co, PA	<u>Revised/Corrected</u>	4 caves, 4 maps	5.00 + postage A
8	Caves of Blair Co., PA	REPRINT	89 caves, 40 maps	7.00 + postage A
9	Caves of Huntingdon Co., PA	REPRINT	94 caves, 36 maps	10.00 + postage B
10	Caves of Snyder Co., PA	REPRINT	20 caves, 14 maps	6.00 + 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	Caves of Bucks Co., PA	REPRINT	24 caves, 6 maps	5.00 + postage A
15	Caves of Lehigh Co., PA	REPRINT	25 caves, 13 maps	6.00 + postage A
16	Caves of Northampton Co., PA		24 caves, 13 maps+1 large map	6.00 + postage A
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