



BREAKDOWN

Volume 13, Number 1, April 1998

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, \$4 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 \$4 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 Sat. in February. Each spring and fall there is a field meet. Watch for dates.

Officers —

Chair: Kim Kehs
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Spring MAR Field Meet set for May 15-17, 1998

The Spring MAR Field Meet will be sponsored by the Greater Allentown Grotto at the Old Dutch Mill Campground near Schofer Cave on May 15-17, 1998. See inside for details.

1998 SPRING MAR
 May 15, 16, 17
 Old Dutch Mill Campgrounds (Across from Schofer Cave)
 Kutztown, PA

Saturday Dinner
 Guidebook with Up-dated Information
 Door Prizes
 Guided and Unguided Cave Trips
 Vertical Practice
 Coin-operated Showers
 Camping in the PA Dutch Country
 Spelean History Field Trip
 Survey Class & Contest
 Hiking on Appalachian Trail
 Outlet Shopping in Reading & More!



\$18 Pre Registrants (postmarked by April 15)
 \$ 22 at the Door
 \$10 Children 4-10

Name _____ # of registrants \$18 = _____
 Address _____ # of T-shirts \$6 = _____
 _____ (large or x-large)

Total enclosed \$ _____

Mail to: Kim Kehs
 1426 Ash Lane
 Quakertown, PA 18951-5638
 Make checks payable to: Kim Kehs

Grotto Affiliation _____

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MINUTES OF THE MAR BUSINESS MEETING FEBRUARY 28, 1998

Meeting called to order at 1:30 p.m. at the home of Jay Herbein, Harrisburg, Pa.

Secretary's Report- A correction to the minutes was made by Greater Allentown Grotto to reflect the amendment in the by-laws regarding elections at the fall meet: (If an election is not held at the Fall MAR Meet, the slate of candidates shall be distributed to the Regional Council by mail for a mail in election.) Second correction made by Nittany Grotto to reflect that Eyeless Gammarus amphipods were discovered in the resurgence of Sugar Valley. Pennsylvania Cave Legislation Trust Fund moved to accept the minutes with the above corrections. Nittany Grotto seconded. Motion passed.

Treasure's Report- Printed copies were distributed. Nittany Grotto moved to accept. Greater Allentown Grotto seconded. Motion passed

Breakdown Report- Two errors were noted in the current Breakdown. The time of the 1998 Business Meeting was omitted and the Fall MAR meet is incorrect. The Fall MAR meet will be October 2, 3 & 4, 1998. Deadline of submission of articles is the end of March. A call was made for articles.

FIELD MEETS

Spring 97- Hosted by Franklin County Grotto-good turnout despite chilly weather-lots of caving including trips to Baker Caverns and Williamson Cave-the cave mapping did not go as projected.

Fall 97- Philly Grotto reported 153 people attended the meet/50th anniversary celebration-many Grotto members from the 60s & 70s were present-Saturday's night festivities included a catered pig roast, slide show, door prizes, guest speakers and a bonfire. Special thanks to the owner of Woodward Cave for opening the cave to wild cav-

ing Saturday night-the MAR will send the owner a thank you note. Dale Ibberson noted appreciation for the morning coffee and doughnuts and hopes this will be a tradition with all future MAR meets.

Spring 98-Greater Allentown Grotto will host May 15, 16 & 17th at Old Dutch Mill Campground-including caving, guide books, speleo-history tours, and surveying classes- local caves to be open include Onyx, Driebilbis, Pinnacle and possibly Schofer- Tshirts will be for sale.

Fall 98-Nittany Grotto will host in conjunction with their 50th anniversary October 2,3 & 4th at Mountain Acres-lots more information to be printed-information can also be accessed off the Internet at Nittany Grotto's website.

MAR BREAKDOWN

Will White reported:

No new bulletins this year

CCLUM (Clinton, Columbia, Lycoming, Union, Montour)- almost finished. Keith Christenson added it is halfway through-50 caves in the project and 44 descriptions are written (not all descriptions are caves)-the last fluoroscene dye trace has been done-help needed to map small, wet caves.

Fayette County-Kim Metzgar has been in contact with Jim Kennedy after a dozen new caves found- Pittsburgh Grotto has initiated ridge walking.

Centre Co.- recently restarted by Nittany Grotto-will be reissued some time

Blair Co.- sadly out of date, no action

Huntingdon Co.- sadly out of date, no action

York Co. -John Rosenfeld reported field work is completed. Goal is to be finished with written work by next year.

A break was given to allow Judi Stack time to distribute the Pennsylvania Game Commission access to caves on State Game Lands so everyone could review and comment on the proposed agreement

OLD BUSINESS

Hosterman's Pit-Nothing new

Hillside Quarry- Kim Metzgar reported the quarry and neighbors are still at odds

Pennsylvania Cave Database- Still adding caves to the list, no current total given-Discussion followed regarding the article The Official List of Pennsylvania Caves (*MAR Breakdown*, Vol. 12, Number 3)-summary of discussion: all caves are put into database including existing caves, caves no longer existing, and rumored caves (caves put into a publication)- individuals interested in further refinement of the cave database are encouraged to meet and discuss the matter.

Cave Conservation- Signs are available at \$10-40-50 in stock-1 sign still available courtesy of Baltimore Grotto-signs in 36 caves-signs are to promote the conservation message.

Cave Register- no report

ER NCRC- Nittany Grotto reported an Extreme Measure Course is being held March 21 & 22 in conjunction with Pleasant Gap Fire Department— May 8, 9,&10th a basic NCRC cave rescue class will be in Franklin West Virginia, contact John Hoover (301) 890-6932- Greater Allentown Grotto reported a week long intensive rescue training course June 20-28 at the OTR site.

Incorporation- Baltimore Grotto made a motion to create a committee to investigate incorpo-

rating the MAR as a non-profit organization. Pennsylvania Cave Legislation Trust Fund seconded the motion - volunteers for the committee are Dale Ibberson, Judi Stack, and Karen Bange - a vote was taken and the motion passed.

Baltimore Grotto made a motion for the committee to proceed with incorporation if reasonable to do so - Nittany Grotto seconded the motion-a vote was taken and the motion passed.

Greater Allentown Grotto made a motion that up to \$300 from the MAR general fund be put towards the incorporation of the MAR - Baltimore Grotto seconded the motion - a vote was taken and the motion passed.

West Virginia Karst Atlas - Bette White announced the sale of *West Virginia Karst Atlas* for \$35

Break 2:50 p.m. - Reconvene 3:10 p.m.

Game Commission- Judi Stack reported she met with the Game Commission August 1, 1997 to discuss management of caves on State Game Lands - discussion followed regarding the proposal- caves at issue are Schofer, Askon Hollow and Strangford - the Game Commission will hold one set of keys and a representative from a local Grotto (after approval from the MAR officers, Judi Stack and the Game Commission) will hold another key-the keyholder is responsible for all trips into the cave, but need not be on all cave trips. Modifications to the proposal will now be made followed by a Letter of Authorization issued to Grottos from the Game Commission.

Baltimore Grotto made a motion to authorize Judi Stack to sign the Letter of Authorization- York Grotto seconded the motion- a vote was taken and the motion passed.

Kim Kehs commended Judi Stack on her efforts with the Game Commission.

Minutes

NEW BUSINESS

New addresses: Keith Christenson reported he is moving to the Dominican Republic in May 1999, start planning cave trips.

Bette and Will White have moved- new address is RR 1 Box 527, Petersburg, PA 16669-9211.

Bette also requested Grottos to include the listing of the MAR Bulletins in their newsletters- Bette is putting a mailing label with her new address on the MAR Bulletins.

Increase in MAR Meet fees - Bette White made a motion to increase registration fee at MAR Meets by \$1 (to \$5), starting 1999, with all profits going to the MAR. \$4 of the fee will go to the *MAR Breakdown* and \$1 will go the MAR. Pennsylvania Cave Legislation Trust Fund seconded the motion-a vote was take and the motion passed.

Judi Stack requested the Game Commission be added to the mailing list for the MAR Breakdown.

PCC (Pennsylvania Cave Conservancy)- is restarting after a period of inactivity- there will be a meeting after the Business Meeting to elect new officers- PCC formed years ago to conserve Pennsylvania caves-

Cave Bucks - Nittany Grotto has endorsed Cave Bucks and has selected PCC as the recipient.

Congress of Grottos- Craig Hindman asked for call of issues-there were none

MAR Guide Books - Carol Tiderman- requested that guide books from past MAR meets be given to Bette White or brought to future meets to sell at registration.

Pa. Cave Slide Show - Judi Stack- announced she is redoing the Pennsylvania Cave slide show and asked for slides. She also thanked everyone with input on the Game Commission and noted it was helpful to represent the MAR at the meeting.

Bulletin #20 Refund - Kim Metzgar- asked if the MAR is interested in refunding the owner of Organ Cave his money for the purchase of Bulletin #20 in exchange for a free copy of a biological study of species in caves-the MAR declined.

Central New Jersey Grotto - has requested to be part of the MAR-it was agreed to include them in MAR functions

Bald Eagle Grotto - It was reported that allegedly due to the development of different sections in the NSS they have voted to stay in the NSS but their officers are not renewing their NSS membership - thus the Grotto will no longer be represented at COG or recognized by the NSS.

Bert Ashbrook- announced there are cave books and signs on the front table for sale

Spring MAR 1999 - Franklin County Grotto will take the idea back their Grotto and contact Kim Kehs after their meeting to let her know if they will do the Spring meet.

Fall MAR 1999 - York Grotto will host the Fall 1999 meet in conjunction with their 40th anniversary-no date has been set but the meet will be held at Rupert Cave, Mifflin County.

Next meeting February 27, 1999 1:30 p.m. at Jay Herbein's house

Party to follow the meeting at Dale Ibberson's.

Motion made to adjourn by York Grotto- seconded by Greater Allentown Grotto. Motion passed at 4:10.

Respectfully submitted,
Karen Bange, Secretary

Thirty people signed the attendance sheet, Grottos represented were Baltimore, TriSate, York, Pennsylvania Cave Legislation Trust Fund, Greater Allentown, Nittany, Loyalhanna, Franklin County, Commander Cody Caving Club, Philly

1998 SPRING MAR

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NITTANY GROTTO TO CELEBRATE ITS 50TH

After fifty years we're still in the dark.

For more information check
our web page at

<http://come.to/nittany.grotto>



Nittany Grotto will celebrate its 50th anniversary October 2,3,4, 1998. The celebration will be in conjunction with the MAR Fall Field meet which Nittany is hosting.

The event will be held at Mountain Acres, a private lodge in the Seven Mountains near Potters Mills, PA just off US Route 322.

The site is near caves of eastern Centre County and caves of Mifflin County.

The event has been scheduled so that it will not conflict with a home game of the Penn State Football team.

Registration includes tent or car camping at the site (no RV's). (The Seven Mountains Campground, just a few miles away, offers RV sites with electric, water, and TV hookup at each site. Current rates are \$14 per night.)

Registration fees are as follows

Adults	\$20 thru OTR, \$25 after
6-12	\$10 thru OTR, \$12.50 after
< 6	Free

Nittany Grotto encourages all cavers and particularly current and former members of Nittany Grotto to attend.

NEARBY POINTS OF INTEREST



Wineries

Penn State University

Bryce Jordan Centre - Largest indoor arena between Philadelphia and Pittsburgh

Happy Valley Friendly Farm - A country petting zoo.

Two show caves, Woodward and Penn's

Boal Mansion & Columbus Chapel

Bellefonte Historical Railroad

Boalsburg Military Museum

Mid-State Trail

Antique shops

Colyer Lake



THE MAR REVIEW

HIGHLIGHTS OF THE MID APPALACHIAN REGION

Bert Ashbrook

If your newsletter is not reviewed in this column, send a copy to Bert Ashbrook, 1257 Lehigh Parkway South, Allentown PA 18103-3875.

Philly Grotto News

Philly Grotto's January 1998 issue reprints a letter from Petzl to the AMGA Mountain Bulletin regarding aging of Petzl Ecrin helmets, a model popular with cavers. Tests on helmets which were aged (unused) and used heavily in both caving and surface applications revealed little deterioration after up to three years. Petzl gives a shelf life of 5 years and a useful life of 5 years.

The Cave Hunter

In the Huntingdon County Cave Hunters' December 1997 newsletter, cave management is in the spotlight. Details of the NSS's acquisition of Tytoona Cave (Blair County) and of the gating of Seawra Cave (Mifflin County) are found. Garrett Czmor offers a fine history of Seawra, which is a former commercial cave. The newsletter also reports that the long-lost second entrance to Kookan Cave (Huntingdon County) has been located.

Pack Rat Scat

In the Greater Allentown Grotto's Winter 1998 issue, Dean Snyder's latest history article concerns John Gottlieb Schofer, for whom Berks County's Schofer Cave is named. Schofer operated a mill at the cave, and has had a mill, a hotel, a town, a post office, and the cave named after him. In the same issue, the discovery of a fatal hantavirus in a man from Lehigh County is discussed. Because the virus is thought to spread from dry raccoon feces, cavers may want to be careful. Finally, George Jaegers reviews water purifiers for use on cave trips.

Loyalhanna Troglodyte

The Winter 1997 issue (should be 1998?) has Garrett Czmor's article on the Seawra Cave (Mifflin County) management policy. Also included are Tom and Kim Metzgar maps and descriptions of two small caves, Leak Run Shelter (Allegheny County), and Polygyra Pit (Fayette County)

Nittany Grotto News

The November 1997 issue is also full of cave maps and descriptions. First among them is an excellent oversize map of 1492-foot long Heller Cave #5 (Blair County) by Bryan Crowell. Also included are some smaller caves: Die Höhle Dem Youghiogheny (Fayette County) by Keith Christenson, Bilger's Rocks Ice Cave (Clearfield County) by Michael Petery, and the trio of Panther's Den, Can Cave, and Kitten's Den (all Washington County) by Keith Christenson and John Chenger. Also included are maps of some new passage in Butler Cave (Bath County, Virginia) by Keith Christenson. Finally, a diskette with an index to cave names in the Nittany Grotto News from October 1952 through May 1997 by Keith Wheeland is included in this issue.

Baltimore Grotto News

In the December 1997 and January 1998 issues, Joseph Kaffl continues the story of the Northeast Sump Exploration Team (NEST) in Alexander Caverns (Mifflin County), which is some of the most exciting cave exploration to occur in Pennsylvania in many years.

On 8 June, Kaffl was given a musical send-off by a local Amish choir standing by the river in the cave. The sumps in a tributary stream, previously referred to as 1A and 2A, were renamed J1 and J2,

The MAR Review

respectively. This avoids confusion with the sumps up the main stream, which were formerly known as Sumps 1 and 2, but now are evidently referred to as Sumps E1 and E2. Working solo, Kaffl passed Sump J1 and made his way to Sump J2. Unlike 10 May, when lack of drop weights forced him to turn back, he was prepared with plenty of weights, and he was able to pass Sump J2. Beyond, he turned around in going air-filled walking passage. Later, Kaffl and Tesnau verified the survey in Sump E1, and Tesnau again oriented himself to a constriction in Sump J1.

On 28 June, Tesnau passed the constriction in Sump J1, and then turned around. Kaffl then passed Sumps J1 and J2 solo in water with 60-foot visibility. Beyond, he explored air-filled stream canyon to yet another sump, J3. Exploration of this obstacle will have to wait. NEST has also begun working in Locust Creek Cave in Pocohontas County, West Virginia.

PENNSYLVANIA CAVE CONSERVANCY CORNER AN UPDATE

Keith D. Wheeland

On February 28, 1998, the PCC was reactivated. The PCC is incorporated in the Commonwealth of Pennsylvania and is dedicated to the conservation of Pennsylvania Caves.

Because the PCC has been inactive since 1990, I am printing this information about the operation of the PCC just to help you get reacquainted. To understand all the nuances, please refer to the By-Laws which will be sent to each Voting Grotto.

Currently there are nine Voting Grottos in the PCC. They are as follows.

Bucks County Grotto
Nittany Grotto
Franklin County Grotto
Philadelphia Grotto
Greater Allentown Grotto
Pittsburgh Grotto
Huntingdon County Cave Hunters
York Grotto
Loyalhanna Grotto

Each Voting Grotto must appoint a representative to the PCC. This representative becomes a director of the PCC. The Board of Directors elects the officers of the PCC and operates the PCC.

I will be sending a letter asking each Voting Grotto to supply the PCC with the name and contact information for one director and one or more alternates. It is very important that the individual selected has an interest in the PCC and is willing to attend a few meetings per year.

The PCC would like you or your grotto to consider making a donation to help defray administrative costs for the organization. Note that there are no dues for PCC membership and that there can be no assessments made to members of the PCC. The PCC also has a fund for the purchase of caves, you may want to donate to that fund also. At least one grotto has designated the PCC as the recipient of the monies collected for Cave Bucks. Make checks payable to the Pennsylvania Cave Conservancy. They can be mailed to Dale Ibberson, 445 Hale Ave. Harrisburg, PA 17104.

Of course, if we want to buy caves, we need to think big. In the future we hope to apply for grants and raise funds through other means.

We intend to take a pro-active stance in the effort to conserve the caves of Pennsylvania.

REORGANIZATION MEETING MINUTES

The meeting was called to order by Vice Chair, Pat Minnick of the Franklin County Grotto at the home of Jay Herbein at approximately 5:20 p.m.

Representatives were present from Baltimore Grotto, Franklin County Grotto, Greater Allentown Grotto, Nittany Grotto, and York Grotto.

Minutes of the last meeting of September 30, 1990 were read by Secretary, Keith Wheeland.

The Treasurer, Dale Ibberson, reported that the amount in the treasury was between \$200 and \$300.

Because there hadn't been a meeting since the Chair resigned, a vote was taken to determine whether the representatives present wanted to reactivate the PCC. The vote was to reactivate.

The following persons were elected to one year terms.

Chair	Pat Minnick
V. Chair	Karen Bange
Secretary	Keith D. Wheeland
Treasurer	Dale Ibberson

Prior to the meeting Loyalhanna Grotto expressed an interest in becoming a member of the PCC. A motion was made and passed to accept Loyalhanna Grotto as a voting member.

Discussion was held concerning the continued funding of the PCC. This led to a motion by Baltimore Grotto, seconded by Franklin County Grotto to explore the possibilities of applying for a status of 501(c)(3). The motion passed. Dale Ibberson will pick up the forms.

Discussion was held about establishing a by-laws committee. The matter was tabled until the next meeting.

Minutes of the meeting, a copy of the By-Laws, a request for directors and alternates names, and an appeal for donations will be sent to each member grotto and other potential member grottos before the next meeting.

The next BOD meeting will be held Sunday May 17 at 9 a.m. at the Old Dutch Mill Campground, Kutztown, PA. (The site of the Spring MAR Field Meet.)

The meeting was adjourned at approximately 6:25 p.m.



Respectfully submitted,

Keith D. Wheeland, Secy.

LIMITED ACCESS CAVES OF PENNSYLVANIA FORM THE PA. CAVE DATABASE

Keith D. Wheeland, Steward

Please review this list. If you have any corrections or additions please notify me.

This list does not include Show Caves, those closed naturally or destroyed. Only caves 150 ft. or longer are included.

Cave	County	Status	Access
Aitkin	Mifflin	Gated	No caving Aug 15 - May 1 TNC
Alexander Caverns	Mifflin	Gated	No caving Aug 15 - May 1 BEG
Askon Hollow	Fayette	Gated	No caving (maybe soon)
Baby Bear	Westmoreland	Open	No caving
Bally	Berks	Open	No caving
Barrville	Mifflin	Open	No caving
Barton	Fayette	Open	No caving Aug 15 - May 1
Big Ridge	Mifflin	Gated	Contact York Grotto
Blessing Mt. Wells	Lycoming	Open	No caving Aug 15 - May 1
Blue Hole #1	Blair	Gated	No caving Aug 15 - May 1
Bootlegger Sink	York	Gated	No caving
Brady's Bend	Armstrong	Open	No caving
Canoe Creek Mn #1	Blair	Open	No caving Aug 15 - May 1
Carl's Bad	Blair	Gated	Contact Huntingdon Co. Cave Hntrs
Carpenter	Northampton	Gated	No caving
Casparis	Fayette	Open	No caving Aug 15 - May 1
Chime	Centre	Gated	Contact Nittany Grotto
Cleversburg Sink	Cumberland	Gated	Contact York Grotto
Con	Westmoreland	Gated	No caving
Coon	Westmoreland	Open	No caving Aug 15 - May 1
Copperhead	Westmoreland	Gated	No caving
Curfman #1	Huntingdon	Open	No caving Aug 15 - May 1
Dragon	Berks	Open	No caving
Dreibelbis	Berks	Gated	Contact Philly or Commander Cody
Eiswert #2	Lycoming	Gated	No caving
Frazer	Berks	Gated	Unknown
Haines Gap	Centre	Open	No caving Aug 15 - May 1
Heller Caves	Blair	Open	No caving
Hesston	Huntingdon	Gated	No caving
Hindman	Armstrong	Gated	Contact Nittany Grotto
Hosterman's pit	Centre	Gated	No caving
Indian #1	Northampton	Gated	Contact Hugh Lucas
Kens	Westmoreland	Open	No caving
Kookan	Huntingdon	Gated	No caving
Lemon Hole	Westmoreland	Open	No caving Aug 15 - May 1

Limited Access Caves

Cave	County	Status	Access
Little Pit	Huntingdon	Gated	Contact Huntingdon Co. Cave Hntrs
Longcock	Huntingdon	Gated	Ditto
McAlisterville	Juniata	Gated	Contact Nittany Grotto
McFadden	Huntingdon	Gated	No caving Aug 15 - May 1 - HCCH
Miller #1	Centre	Gated	Contact Nittany Grotto
Millipede	Centre	Open	No caving
Montello	Berks	Gated	No caving
Mount Rock	Mifflin	Open	No caving
Needy	Franklin	Open	No caving
Oak Hall	Centre	Open	No caving
Onyx	Berks	Gated	Contact Bucks Co. or GAG
Peiper	Cumberland	Open	No caving
Petersburg #1	Huntingdon	Open	No caving Aug 15 - May 1
Quarry Hill	Cumberland	Gated	Contact York Grotto
Rattlesnake Sink	Westmoreland	Open	No caving
Razorback	York	Gated	No caving
Redington #1	Northampton	Open	No caving
Reese	Franklin	Open	No caving
Refton	Lancaster	Gated	Contact Gibson Armstrong
Rockview	Centre	Open	No caving
Rohrer's	Lancaster	Gated	Contact Mr. Rohrer
Rupert	Mifflin	Gated	Contact Geo. & Karen Bange
Ruth	Huntingdon	Gated	No caving Sept 2 - Apr 30 HCCH
Salisbury Mine	Somerset	Gated	No caving
Sarah Furnace	Clarion	Open	No caving
Sawmill System	Westmoreland	Open	No caving
Schofer	Berks	Gated	No caving (maybe soon)
Seawra	Mifflin	Gated	No caving Sept 2 - Apr 30
Sharer	Centre	Open	No caving Sept 2 - Apr 30
Smith	Mifflin	Gated	Contact James Smith
Spring Mt. Sink	Bedford	Open	No caving
Stitzer	Centre	Gated	Contact Nittany Grotto
Stover #1	Centre	Open	No caving Aug 15 - May 1
Strangford	Indiana	Gated	No caving (maybe soon)
Veiled Lady	Centre	Open	No caving
White Rocks Fissure	Fayette	Open	No caving
Whitney Quarry	Westmoreland	Open	No caving
Wildcat Springs	Huntingdon	Open	No caving
Wolf	Northampton	Gated	Contact Elias Spengler
Womers	Perry	Gated	Contact York
Zooks Pit	Mifflin	Open	Contact York Grotto

BEG - Bald Eagle Grotto

HCCH - Huntingdon Co. Cave Hunters

TNC - The Nature Conservancy

MAR Breakdown
 Nittany Grotto
 PO Box 676
 State College, PA 16804-0676

Mid-Appalachian Region Bulletins

NSS Members Price List		Caves	Maps	Large Maps	Cost	Postage Code	
No.	County						
1-4	Constitution and Caves of Shippensburg	11		7	7.00	A	
8	Caves of Blair Co., PA	89		40	6.50	A	
9	Caves of Huntingdon Co., PA				OUT OF PRINT		
10	Caves of Snyder Co., PA	20		14	2.00	A	
11	Caves of Centre Co., PA	71		56	1	9.00	B
12	Caves of Mifflin Co., PA	47		31	5	7.00	B
13	Caves of Perry Co., PA	13		6	5.00	A	
14	Caves of Bucks, Co., PA				OUT OF PRINT		
15	Caves of Lehigh Co., PA	25		13	3.25	A	
16	Caves of Northampton Co., PA	24		13	1	5.50	A
17	Caves of Northumberland Co., PA	20		10	5.00	A	
18	Caves of Berks Co., PA	64		32	7.00	B	
19	Caves of Bedford Co., PA	54		33	5.50	A	
20	Caves of Westmoreland Co., PA	Over 300 features.			29.50	C	

Postage codes

A US Postage: \$1.25 for first copy; \$0.50 for each additional copy to the same address.

B US Postage: \$1.75 for the first copy

C US Postage: \$3.00 each bulletin.

Non-US Postage: \$2.00 each first copy, \$1.50 each additional copy.

Please make checks payable in US funds to MAR.

Send to Bette White, RR#1, Box 527, Miller Road, Petersburg, PA 16669-9211