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** The photo on this month's cover was taken by Nikki Fox. It shows the Hell Hole Waterfall Dome. Reilly Blackwell climbs the 138' rope up the dome in the mid-level. The height is unknown, but it has been measured by DistoX to be around\d 350'.

**** Don't forget, the <u>JONES QUARRY BOOKLET</u> is ALMOST GONE! There are 10 left! If you are interested in purchasing a copy of the BOOKLET, contact BOB BENNETT 304-821-4621(H) or 304-671-0344(C) E-MAIL at <u>gimpycaver@comcast.net</u> The copy will cost \$6.00 each plus the cost of shipping!

******10 LEFT!*****

WE NEED EVERYONE TO KEEP THINKING ABOUT VOLUNTEERING FOR AN OPEN POSITION. WE STILL HAVE 4 POSITIONS OPEN! PLEASE GIVE IT SOME THOUGHT. WE NEED YOUR SUPPORT!



#3 MAR 2020 :



MAR 1 --- Peanut Lovers Day

MAR 8 --- DAYLIGHT SAVING TIME STARTS

MAR 11 --- TSG meeting – 7pm

MAR 12 --- FEG meeting – Thunwa Restaurant – Fr Royal – 7pm

MAR 13-15 --- NCRC East Reg #1 & #2, Blacksburg, VA

MAR 14 --- Dr Latterell's Birthday – Owner of Molers Cave

MAR 14 --- Pi Day

MAR 14 --- National Potato Chip Day

MAR 14 --- Donaldson Cave – Larry Powell – **Scouts**

MAR 17 --- St Patricks Day

MAR 20 --- SPRING EQUINOX

MAR 21 --- Absolutely Incredible Kid Day

MAR 22 --- World Water Day

MAR 22 --- National Goof Off Day

MAR 25 --- MD Day

MAR 28 --- Endless Cavern - Lightbulb replacement - 10am - see Tom

APR 1 --- All Fool's Day

APR 2 --- PB&J Day

APR 6 --- New Beers Day

APR 7 --- National Beer Day

APR 8 --- TSG meeting – 7pm

APR 10 --- GOOD FRIDAY

APR 10 --- National Sibling Day

APR 12 --- EASTER

APR 15 --- Tax Day

APR 17 --- Bat Appreciation Day

APR 18-19 --- Grand Caverns Spring Clean

APR 20 --- Husband Appreciation Day

APR 22 --- Earth Day

APR 24 --- Arbor Day

MAY 1,2,3 --- VAR/MAR - Grand Caverns, VA

MAY 2 --- Brothers & Sisters Day

MAY 5 --- SINKHOLE de MAYO

MAY 5 --- Children Day

MAY 9 --- National Train Day

MAY 10 -- MOTHERS DAY

MAY 13 --- TSG meeting – 7pm

MAY 16 --- Armed Forces Day

MAY 25 --- National Wine Day MAY 25 --- MEMORIAL DAY



CAVE BUCKS is a voluntary donation for cave purchases. The money is collected at each monthly meeting and sent to the Conservancy of choice. The money SHOULD NEVER be kept past the week it is collected.

Month of FEB ------\$44.04

TOTAL TO DATE: -----\$7471.79

GREAT JOB EVERYONE! Let's continue the giving!

The money was sent to MAKC. **Keep It Coming!**



Tri-State Grotto <u>www.tristategrotto.net/</u>
VAR http://var.caves.org/index.php
NSS <u>www.caves.org/</u>
NSS Convention 2020 https://nss2020.caves.org/
OTR <u>www.otr.org/</u>
MAR <u>www.caves.org/region/mar/</u>
WVCC <u>www.wvcc.net/</u>
Bob's Web Site <u>www.tristategrotto.net/Bob/</u>
Rock Climbing Knots Friction
www.chockstone.org/TechTips/prusik.htm#Bachman/
Tri-State Grotto MySpace
www.myspace.com/tristategrotto/
Animated Knots by Grog- <u>www.animatedknots.com/</u>
WNS
http://www.caves.org/WNS/WNS%20Info.htm/

Crystal Grottoes Caverns

www.crystalgrottoescaverns.com

Silers Cave -----

https://www.karst.org/index.php/category/preserves/silers-cave-preserve/



MARCH BIRTHDAYS

Kathryn Bechtold, Mason Griffin, Bob Gulden, Chloe Harris, Kevin Mulligan, David Craig Sanbower, Eliza Marie Vis

Happy Birthday!



TSG Meeting February 12, 2020

(attendance:13)

John called the meeting to order at 7:00 PM.

Elysia gave a Treasurer's Report. Minutes were read by Doc.

Old Business: The date for the Grotto's Christmas party is set for Saturday, December 12, which is to be held at the Bedington Ruritan Club, the same place as last year.

Helmets, climbing gear and poles remain the same as last month. Tom intends returning a bag of helmets next week during the next climbing class which is to be held at The James Rumsey Technical Institute, 3274 Hedgesville Rd, Martinsburg, WV 25403.

Plans were made to change the lock for Dead Dog Cave on Thursday, February the 13, weather permitting.

Var/Mar will be held at Grand Caverns May 1-3. Admittance will be \$33 - five dollars extra at the door. T-shirts are extra. Tours at Endless Caverns will be fifty percent off during the VAR/MAR weekend for participants only. Fountain Caverns may be open while Melrose Caverns is in debate. For more information check http://var.caves.org/index.php/events/spring-var The annual light bulb change at Endless Caverns will be held on Saturday, March 28, starting at 10am.

New Business: Lots of caves are for sale. Sinks of Gandy is for sale and the price was discussed. A mention of Mystic Cave also came up. Penn Aqua Cave is also for sale. Cyclops Cave, which is an immense and difficult cave and hosted a caving accident at the end of last year is also for sale. Terry donated a substantial amount with TSG matching his donation. The SCCI intends to purchase the cave by May of this year. Bakers Caverns will be for sale again in the spring. There was a cave rescue on Carlyle Road in which Adam was present. A man was stuck in a crack close to the second entrance. Emergency cavers were not present due to poor planning with no apparent coordination during the rescue. Climbing class was advertised, inviting other grottoes to participate. Outdoor climbing for the summer was also discussed. Climbing safety, belaying and demonstrating specialized climbing knots will be featured at the next session. On Saturday, February 12, there will be a trip to Jones Ouarry Cave, Meet at 2pm the Sheetz on the corner of Rt. 910 and Rt. 11. Meeting was adorned at 8:33pm

Respectfully submitted Donald 'Doc' Phillips NSS # 32922 Secretary Tri-State Grotto of the NSS

Here's a couple of short entries

I, Bob Denton, will be attending the Geological Society of America SE/NE Joint annual meeting on March 20 - 22, 2020

being held in Reston, VA. They are holding a karst special session, and I'll be presenting a talk called "How the Madison Cave Isopod can save the phreatic aquifer". The talk will be discussing the isopod's natural history, origins, and efforts to conserve and protect this unusual little cavedwelling crustacean, and how those efforts can help protect the karst aquifer even in areas where the isopod doesn't live.

Here's the abstract:

HOW THE MADISON CAVE ISOPOD ANTROLANA LIRA CAN SAVE THE PHREATIC AQUIFER

"The Madison Cave Isopod, Antrolana lira Bowman 1964, is a free-swimming cirolanid isopod known to occur only within the carbonatesaturated waters of the phreatic karst aquifer of the Shenandoah Valley. The type locality was originally limited to two pools in Madison Cave and a small pool in an adjacent cave named Steger's Fissure, both in Augusta County, Virginia. Because A. lira was threatened by human visitation to its only known habitat and by mercury pollution of the nearby South River, the taxon's status as a threatened species was finalized in a rule issued by the U.S. Fish and Wildlife Service (USFWS) on 4 October 1982. Since that time, the range of A. lira has been extended through much of the Shenandoah Valley in Virginia and the eastern panhandle of West Virginia.

In 2009, GeoConcepts Engineering was contracted by The Conservation Fund to perform a karst survey of the 76-mile alignment of the Columbia Gas Transmission Pipeline through the Shenandoah Valley. The findings of this survey were among those used to develop the NiSource/Columbia Gas Multi-Species Habitat Conservation Plan. Included in the plan were a series of avoidance and minimization measures

(AMMs) and best management practices (BMPs) designed to minimize impact to the taxon's habitat, which were developed in teamwork with the USFWS. The primary goal of these measures was to prevent and/or minimize the incursion of sediment- and contaminant-laden water into the epikarst through surface features, eventually finding its way into the deep phreatic aquifer. The majority of reliable wells and perennial springs in karst-lands are dependent on the phreatic aquifer for their source water. Therefore, we suggest that the same AMMs and BMPs used to protect A. lira should be invoked even in places where the taxon does not occur in order to protect vital drinking water resources."

Then, in April I'll be teaching a 4-hour short course at the 16th "Sinkhole Conference" (16th Multidisciplinary Conference on Sinkholes and the Engineering and Environmental Impacts of Karst), being held this year in San Juan, PR, April 20 - 24, 2020. My short course is called "Stormwater Management in Karst Terrain" and covers the basic principles of best management practices in karst, from both an engineering and environmental viewpoint.

I'm also talking to Nancy Lutz, who sits on the Jefferson County Water Advisory Committee with me. I visited George Washington Cave last week and found it in very bad shape. The old door has been torn off its hinges, there is trash everywhere outside the cave and inside, two old couches are rotting inside the cave, and there's modern graffiti that needs to be cleaned off. Nancy apparently knows the owner, and she is going to try and get permission for us to clean and restore the cave. I told her I'd only approach TSG about it if the owner allows us to repair the door. It senseless to clean the cave, if anyone can go inside any time they want and trash it up again. Luckily, the pools where the Madison Cave Isopods were found are a bit hard to get to, unless you enjoy a crawl. It's significant that GW Cave was the first place the MCI was found in WV, and that combined with the cave's history merit it being protected.

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Regards, Bob D.

b D.

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Whiting's Neck Cave Rescue. February 9th, 2020 By Earl Suitor

Several months ago, Bru Randall and I had a meeting with Martinsburg, WV Fire Department Special Operations Unit [MFDSOU] to share information and discuss how we could assist them if they had a cave incident in their area as well as joint training possibilities. This unit is normally dispatched on technical rescues such as swift-water, confined space, collapse, and high angle rescues in Berkeley County, WV and the surrounding areas upon special mutual aid agreement. We had met with them about a year ago and several of them have become cavers, and cave with us. Prior to the meeting Bru & I went on a tour of some of the WV Panhandle caves that had a high probability of an incident occurring. At Whiting's Neck we discussed the fact that this cave is wide open to any and all caving groups including scouts, church groups, cave-for-pay groups and the public in general. It has several areas where a fall of over 20 feet onto rock is possible, as well as a vertical drop in the back of the cave (over 25 feet) that requires vertical work. It had been a good while since any rescue had been reported there, and we agreed Whiting's Neck was "overdue". It looks like we were right!..... On Sunday February 9th Cheryl and I were just sitting down at the kitchen table for lunch. I had just prepared a big bowl of split pea soup and was getting ready to eat it, when a text came in. I keep my smart phone close at all times and look at messages immediately.

The text was from a member of MFDSOU, who is also a caver that we cave with, and with whom we collaborate for just such instances. The text read: "Just got dispatched for a cave rescue at Whiting's Neck". I immediately texted him back: "We'll head that way. Please advise A.S.A.P. the details & resources needed from us (ER-NCRC), if any. I'm bringing my phones, cave gear & vertical gear" I knew what was in their trailer and knew what we

did not need to bring. Their hardwire communications gear only works for 250 feet. Ours works for many thousands of feet.

Usually the call to ER-NCRC would have been placed by the 9-1-1 center at the request of the incident commander, but any expeditious means from a responsible agency or anyone else for that



matter is okay. Whatever gets the wheels turning quickly. I immediately contacted Bru Randal [Resource Coordination Section Chief ER-NCRC] via landline and asked him to get the call-out lists ready, we would get to the scene and evaluate and advise [We did have cell coverage at the cave entrance/command post]. Bru immediately got out the call-out lists of cavers that have volunteered to



help in a cave rescue, as well as their capabilities,

and special skills. These are generally arranged by NSS Grotto, cave club, or geographic region.

En-route I was advised by text that: "Okay I hear no injuries just people stuck", indicating that a full-blown call out of personnel most likely would not be needed unless a "carry-out" became needed. Cheryl & I arrived approximately 20 minutes behind the on-scene time of the Martinsburg Fire Department Special Ops Unit, and less than 1 hour after getting the first text. Bedington Fire Department [Company 40] had command [1st due]. There were other fire / rescue departments on location also. It appeared that 20 or more rescue personnel where on scene at that point.

Cave rescues are run under the concept of the National Incident Command System (NICS). This standardizes operations and understandings between all agencies involved.

We checked in with the incident commander [IC], who was waiting for us. I was advised there were "people under the patient pushing his feet up" and other rescuers above the patient, and that he was stuck in "the keyhole", and there was only one patient. Their radio's worked on analog V TAC 11 between the patient and the command post! I was surprised and we didn't need the field phones, so we did not deploy them.

Cheryl waited at the command post while I checked in with entrance control and entered the back entrance to the cave to meet MFDSOU team member Mills above the patient. I was advised that MFDSOU team leader Captain Hoover was under the patient and Mills was above. The patient was about 150-200 feet in, down a crawlway. The patient had on cave gear and a caving helmet with headlamp. He was approximately 255 lbs, and in his mid-20's, and part of a group of 7 from a local college outing club. He was pinned head up, arms free from ribs to pelvis in a tight vertical slot. Mills had put a section of webbing under the patient's arms and made a loop. He had rigged 5 feet above the patient using a natural rig point. He had placed a pulley to hang from this and attached a 13 mm lifeline (rope) to the webbing around the patient and run through the pulley and down the crawlway.

I suggested he put a progress capture devise on this line so the patient would not slip back down as we made progress extracting him. I got a prussic and Mills set it. I called Cheryl into the cave [radio].



Together all 3 of us hauled on the line as the people under him pushed as best they could on his feet. We had voice contact with the crew under him. The haul elicited a request to stop from the patient as he was in pain. We stopped.

We discussed the situation. I said a rescue airbag or other stemple might be placed in the crack ~ 10 feet above the patient in a different spot and rigged to so we could pull him up at a better angle. I asked Mills if I could leave and get under the patient. He said yes. Cheryl gave the patient water and encouragement. I exited. I went to the command post and called Bru and gave him a rundown on what was happening. I said I would like an experienced Level III on scene, I also said we might need a caver with bolting capability, and that a full-blown call out was not needed, at that point. Bru said Tony Smith [Eastern Region NCRC Coordinator] was perhaps near and he would call him & Carl Amundsen [NCRC level III and

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national instructor] who lives nearby and look for bolting capable people nearby.

I got a small paramedic to go to the victim above him where Cheryl & Josh were with medical equipment and heat packs. This was done. Oxygen was moved to the patient but not used. I went down to the other entrance [The main historic entrance] entered and proceeded to below the patient. There were two MFDSOU crew holding the patient's feet and taking stress off of him. I discussed the situation with Captain Hoover [MFDSOU] who was the Underground Branch Director [UBD]. I suggested that we get liquid soap on the way, a pneumatic air chisel powered by a Scott/MSA air bottle and place a ladder next to the victim. Captain Hoover agreed, and these items were called for. I then suggested that we get webbing straps on the patient's feet and secured from above so as to help him help us by pushing on the loops. This was done. We could have gotten the ladder right next to the patient and had people heel it and gotten up closer to him perhaps he would even be able to push on a rung with his foot.

The air chisel they had there was not capable of being attached to a Scott bottle, it ran off a line from

Bob Bennett and Adam Haines of Tri-State Grotto as well as Michael Nally an avid and experienced caver, Deputy Chief of Operations, Loudoun County Fire / Rescue and NCRC level III trained came to the command post and checked in. I exited and got a small 14-foot folding ladder and a bag of rope and Adam Haines helped me get the ladder & rope back in the cave.



At that point they called on V TAC 11 "We don't need the ladder" They had pulled the patient out using a combination of the foot loops and repositioning the haul system to pull from a better angle. That worked. He had been stuck about 4 or 5 hours. The call for help was not made by the other 6 members of his caving group for over an hour. I suspect they were trying to get him unstuck themselves and couldn't get him out, so they sent someone to call for help. I exited and called Bru and said the patient was freed and to stand down anything he had coming. The patient exited on his own power and was warmed. He refused transport to a hospital (AMA). All gear was taken up and in post critique with the fire department it was agreed that this had gone



the truck and the pneumatic line was not long enough, so they put in a special call for a truck with a pneumatic air chisel that could be run on a Scott bottle.

well.

We are having an ER-NCRC Orientation to Cave Rescue (3 days) Course at the Martinsburg Fire Department October $9^{th} - 11^{th}$. You are invited to

attend! This and other cave rescue training opportunities are available at:

https://caves.org/commission/ncrc/ncrc-er/index.html

Any cavers wishing to be placed on the call-out lists to help in a cave related emergency are encouraged to email me and I will be sure you get put on the right list, even if it's out of our area.

Earl Suitor <u>wvcaver216@gmail.com</u> Tel: 703-431-2661.

PHOTOS:

1st photo shows the area around the back entrance to the cave, near the patient.

2nd photo shows entrance control.

3rd photo shows the crawlway before you get to the area of entrapment.

4th photo shows Cheryl and the Incident Commander after the patient was freed. 5th photo shows the back-entrance sinkhole.

About the author Earl Suitor and Bruce Randall:

Earl is the Manager of the NSS John Guilday Cave Preserve [Trout, New Trout & Hamilton Caves], as well as Sites Pit and Cave Rat Cave in Pendleton County, WV. He and his wife Cheryl have been caving many years and belong to many Grottos and caving clubs, including PSC, Front Royal Grotto, Tri-State Grotto, WVACS, Cleveland Grotto others. Currently he is the Eastern Region-National Cave Rescue Commission [ER-NCRC] sub-region coordinator for much of NE West Virginia, NW Virginia, and Western Maryland.

Bruce [Bru] Randall is a long-time caver and member of the Pittsburgh Grotto and PSC as well as being the Resource Coordination Section Chief of the ER-NCRC.

Hellhole Camp Trip

Feb. 28.29. Mar 1st

Reilly Blackwell, Nikki Fox, Terry McClanathan, Aaron Moses, Nathan Frye Trip duration: Mine was 38 hours, Aaron's was less, Nikki, Reilly, and Nathan's were over 40 Aaron, Nikki, and Nathan entered between 6:30 and 7PM Friday evening. Reilly and I went in later, arriving at the Shoveleater entrance around 9PM.

There are several sporting downclimbs and nine roped drops to negotiate in the Shoveleater part, but most are fairly short with the two biggest being 80 and 65 feet. The beginning of the connection crawl at the bottom of Shoveleater is at -536 feet. We used to consider this a significant cave trip in its own right, but if you're doing a camp trip, it's just the entrance to Hellhole.

The connection crawl is about 700 feet long and mostly hands and knees, though at some down climbs there are actually a few places where you can stand up. At the end of the crawl you hit the main Silent Stream passage in Hellhole and from there it's about a mile to camp. There's only a couple of short gnarly sections, however, there's lots of scrambling and several rigged traverses. Most folks consider it overall easier than getting to the camp in Memorial Day, and I suppose it is less strenuous, but there is a lot of cave to traverse and my 70-year old body finds the trip to be tiring.

Towards the end of your trek you encounter Joy Canyon. This is aptly named because it is a beautifully sculpted strolling stream passage. Along the way there is a tyrolean to skirt around one particularly deep pool, but generally the water is no deeper than knee/thigh. It's cold though, and I wear neoprene socks and a poly bottom under my cave suit. Surprisingly, even though you get wet in Joy Canyon, there's enough air moving through the cave that your cave suit soon dries out for the rest of the trip (until the return trip through Joy Canyon of course).

After about 500 feet of Joy Canyon you climb a 45-foot standing line which takes you up into a large breakdown passage leading to Diggers Hall and camp. There's one rigged traverse around a big pit occupying the entire floor at about the halfway point, but other than that it's just breakdown scrambling in massive borehole.

Reilly and I got to camp round 2AM (Saturday). I went up to make a quick check to see if the Tardis, a 183' pit which we would all have to climb later, was dry. Fortunately, it was. I have camping gear in Diggers Hall, but I don't sleep well in cave camps, so I rose at 5AM, geared up, and headed off to one

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of my trip objectives while everyone else was still sleeping. I'd made my plans known to the others earlier, so they knew where I was going, and that I would be back in about four hours.

My plan was to tape a high dome which had been partially climbed about a year ago by Aaron Moses, Gilly Elor, and Peter Johnson. This dome is accessed via a 48-foot rope climb up out of Ecstasy Avenue. Ecstasy Avenue is a beautifully decorated borehole passage that begins about a thousand feet beyond camp. It is lined floor to ceiling with gypsum and all manner of helectites, straws, and stalactites. Back in December of 2013 Corey (Hackley) was intrigued by some sandstone boulders that had migrated down into Ecstasy Avenue from somewhere above. He did a bolt climb up to a short crawl which soon popped out into a huge void a hundred feet in diameter This was dubbed Philosophers Dome (later climbed by Gilly Elor and Aaron Moses and taped by me and Gilly at 387 feet high). About 20 feet above the floor of Philosophers a crumbly climb leads to a high parallel pit. This is called Satellite Dome, and while not completely climbed yet, the trio previously mentioned (Aaron, Gilly, Peter) were up well over a hundred feet so I thought it was in need of a taping. I got 154 feet and distoed an additional 47 feet to the top, so Satellite is probably about 200 feet total.

I packed up my 100-meter tape and returned to camp just as everyone else was getting up. The main purpose of our trip was for Aaron to continue a high dome climb he'd started on a previous trip. Nikki, Reilly, and Nate were also planning to survey. It took a while for all of us to climb the main Tardis Dome. It's 183 feet top to bottom but is entered about 40 feet off the floor by doing a J-rappel from a window and then ascending 140 feet of freefall. On this day at least it was dry, which is not always the case.

Several years ago, Nikki did another bolt climb of 63 feet above the Tardis and, along with Chris Coates and Carl Amundson, discovered two massive domes. Both were entered at balconies well over a hundred feet above their respective floors, and Nikki says distoX readings indicated that they could go up as much as 300 feet higher. The first

dome they named Dark Cathedral, and it was this one which Aaron started scaling, with Nikki on belay, during our January (2020) trip. This time I would belay for Aaron while Nikki, Reilly, and Nate went off to survey.

Aaron's plan was to do two sessions on the wall. His first lasted about four hours, at which point he came back down, while I went up to clean his route. I also took my 100-meter tape up with me. Back in January I'd taped from the breakover at the balcony to the floor and got 158 feet, Aaron helped me tape from high above to the same breakover. I got 152 feet for a total so far of 310 feet. There's still a lot of pit to go, so this (310) is just a temporary figure. Aaron went back up for a second effort but soon ran into bad rock and retreated. Assuming Nikki, Chris, and Carl's distoX reading was accurate it's quite possible that Dark Cathedral could surpass the 400-foot figure.

Aaron and I were back in camp by 9PM (Sat). Aaron was planning on an early exit so after eating he left for the entrance. Around 11PM the survey team returned. It takes me quite a while to get out of the cave, but I don't really require much sleep, so when I woke up around 2AM (Sun) I packed up and started my slow exit. Younger and stronger cavers can exit in a few to four or five hours, but for me there are a lot of obstacles and I just take them one at a time. My pace is slow and every move deliberate. I personally feel that a solo exit at my own comfortable speed (or lack of such) is safer than me trying to keep up with faster cavers, and perhaps not being as careful. At any rate I'm never the last one out. As always it was a great trip, but I was glad to see the sun, and at least it wasn't as cold as it was back in January.

"Hellhole Popcorn Passage"
Nathan Frye surveys a virgin passage in the TARDIS.



"HellHole Popcorn Passage" Nathan Frye surveys a virgin passage in the TARDIS.

(Photo by Nikki Fox ©)

March 8th Sliding Rock Cave, Bedford County, Pa.

Corey Hackley, Terry McClanathan Fourth survey trip in Sliding Rock since Corey broke into virgin territory last October. So far about 1900 feet has been mapped.

This 11-hour trip was our most productive so far with over 600

feet of survey, most of it is virgin except for a few of Corey's footprints from our previous trip. The first four hundred feet of the cave is difficult, but most of our 600 feet of survey was

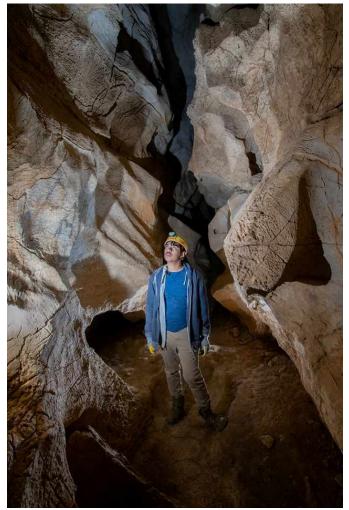
pretty nice. Very nicely decorated pristine corridors where we were getting survey shots of around 40 to 80 feet.

Terry McClanathan

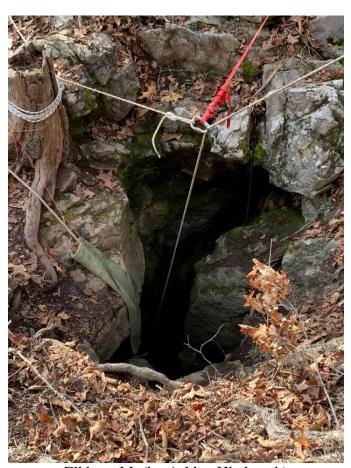
"Hellhole Reilly Waterfall Dome Lead". Reilly Blackwell makes a station in a window found leading into the Waterfall Dome in the mid-level. Later in the day it was connected to existing survey on the opposite side of the pit-dome.

(Photo by Nikki Fox ©)

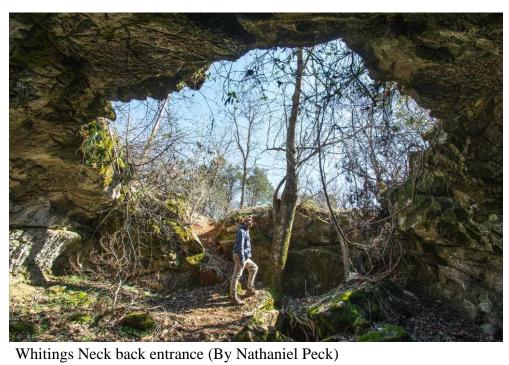




Indian River Cave (By Nathaniel Peck)



Elkhorn Mt (by Ashley Hitchcock)





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Sun	day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Ma Dayl Savina Sta	JGHT G TIME	Mar 9	Men 10	Mar 11 IRI-STATE GROTTO Meeting 7pm	Mar 12 FRG meeting Thunwa Restaurant 6pm	Mar 13	Mar 14 Dr Latterell Birthday National Potato Chip Day Donaldson Cave Larry Powell Scouts 10am Pi Day
Man	r 15	Mar 16	Mar 17 St Patrick's Day	Mar 18	Mar 19	Mar 20	Mar 21 Absolutely Incredible Kid Day
	RLD	Mar 23	Mar 24	Mar 25 MD Day	Mar 26	Mar 27	Mar 28 Endless Cavern - Lightbulbs 10am
Men	r 29	Mar 30	Mar 31	Apr 1 ALL FOOL'S DAY	Apr 2 PB&j DAY	Apr 3	Apr 4
Ap	r 5	Apr 6 New Beers Day	Apr 7 National Beer Day	Apr 8 IRI-STATE GROTTO Meeting 7pm	Apr 9	Apr 10 National Sibling Day GOOD FRIDAY	Apr 11
Apri		Apr 13	Apr 14	Apr 15 TAX DAY	Apr 16	Apr 17	Apr 18 Grand Caverns Spring Clean

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PEAP PAG PISPATCH



"Hellhole Aragonite" Aragonite decorates a passage in the TARDIS. (Photo by Nikki Fox ©)



DEAD DOG DISPATCH

TRI-STATE GROTTO OF THE NSS BOB BENNETT, BOB BENNETT, ED 464 HUCKLEBERRY DR GERRARDSTOWN, WV 25420-0344 304-671-0344 gimpycaver@comcast.net



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