

# THE MSS LIAISON

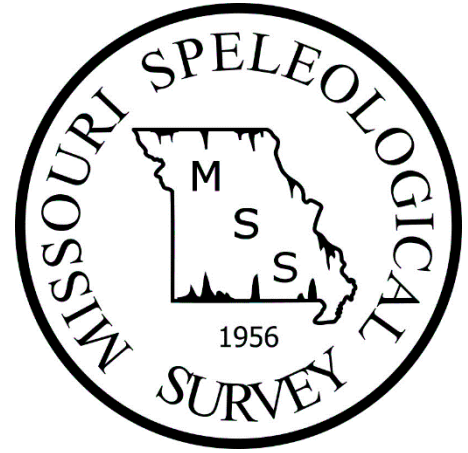
## VOLUME 58 NUMBER 11-12

November - December 2018

AFFILIATE ORGANIZATIONS:

CHOUTEAU-KCAG-LEG-LOG-MMV-MSM-MVG-OHG-PEG-RBX-  
SPG-SEMO-MCKC-CCC-CAIRN.

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### Missouri Speleological Survey | President's Message - December 2018 by Dan Lamping

This time last year I wrote about a local barber from Doniphan whom I had "met" written about the Facebook group *Missouri's Caves, Mines and Rock Formations*, with over 7,000 members, most of whom are not organized cavers. Recently, these two came together when Richard Whiteside, the barber from Doniphan, posted pictures on Facebook of a cave he had found while Turkey hunting in the Lower Ozarks. I reached out to him, letting him know that we may be able to provide some information about the cave if it's known and if not, then properly document it. Richard replied and provided a location. A dot on a map from memory, later confirmed to be dead accurate. The cave, located in a steep side valley named Devils Run, was not known. It turned out the cave was on Forest Service land and given our cooperative agreement with MTNF we began making plans, along with Richard, to go to the cave and map it. A crew of cavers from St. Louis loaded up a few weekends after first hearing of the cave. Along with us came a new caver from Summersville, Tyler Skaggs. Tyler was introduced to organized caving via the Facebook group previously mentioned. Over the past year Tyler has immersed himself into caving, getting involved with multiple groups and taking

advantage of every opportunity presented to an ambitious young caver. Fortunately, for Tyler the opportunities are plenty for anyone who wants to get involved. Chasing down a lead in a remote park of the Ozarks, reported via social media by a man whom I had interacted with on many occasions, but never physically met, along with a new young caver whom I only know because of our interactions on social media was a comforting reminder that 21st century cave connections can be made digitally. The cave, by the way, was an interesting collapse feature. It was indeed a cave, but not much of one.



*Missouri caving's "Rookie of the Year", Tyler Skaggs, pictured left with St. Louis cavers after mapping Devils Run Pit.*

The process has begun to renew our MDC permits for 2019. Unfortunately, we only get a

limited number of them so a handful of active trip leaders from the various caver heavy parts of the state will have them. In addition, we can only go on project oriented trips to specific caves, all of which has been preapproved by MDC personnel and requires multiple points of contact before any trip

occurs. One way to keep abreast of these trips is to have a reliable willingness to contribute and to get on the CRF Ozarks email list. If you need help with this, let me know.

Exciting news rippled across the state only a few days before 2018 came to an end. The Carroll Cave Conservancy recently acquired the Backdoor Entrance to Carroll Cave. The acquisition includes 6 acres of land on the surface and an easement to access much of the cave along with restrictive covenants on land use above such as no dumping and no CAFOs. This is a significant achievement as two of the three longest caves in the state of Missouri are under control of cavers. Carroll is particularly significant in regards to the MSS. In 1956 the first "meeting" of the MSS was organized around the initial survey trip into the cave. After that early MSS cavers made many exciting discoveries in Carroll, all in contribution to the first "project" of the MSS. Carroll would again bring many cavers together in the early 2000s after the CCC created the Backdoor Entrance into Carroll, luring many project oriented cavers from across the state to begin working together to further document the spectacular cave. The deal does come with a caveat that we must put a fence up around the perimeter of the property by April 1, 2019, so there are several tasks requiring rather immediate attention and funding. If you'd like to help contact Rick Hines, CCC president at rickhines@aol.com or join the CCC at carrollcave.org.

The MSS began with the survey of a significant cave in 1956. Documenting similar such caves, along with providing support to private landowners and local agencies has been a major part of what MSS cavers have done over the years. So, the story continues. In an effort to better manage Tumbling Creek Cave in Taney County, and at the request of Tom Aley, MSS and CRF cavers will be initiating a resurvey of the roughly two mile long cave. Tumbling Creek is home to a rare cave snail and a base of operations for the Ozark Underground Laboratory. Tom Aley has graciously allowed us to have our spring 2019 MSS meeting at Tumbling Creek Cave Foundation's site atop the cave with sleeping accommodations provided in a bunkhouse. Survey work will occur on Friday and Saturday, May 3rd and 4th and the meeting will be on Sunday, May 5th. This may be the first time the MSS has held a meeting in the cave-rich region of Southwest Missouri. Stay tuned for more details.

Lastly, as I write this, it is the morning following a cave rescue in Northwest Arkansas in one of the region's toughest caves. I'm very proud of the Ozark caving community, ranging from the first responders, those who headed down mid-day yesterday, those who changed their holiday plans to help someone in need only to be turned away with good news of safe extraction after hours of driving, those who were making arrangements and planning to be relief were it a multi-day ordeal as originally thought and those who kept everyone not on site up to date as best as could be so we could plan accordingly. Many thanks to all involved for the reminder of how blessed we are to be part of all of this together. Here's to hoping for a speedy recovery.

2018 was a good year for Missouri caving. Some say, despite the WNS cave closures and despite dwindling membership in groups like the NSS, that right now is a golden era in Missouri caving, for those able bodied and willing to go. If you're wondering how to get more involved in 2019, don't focus on what you may think is going wrong, but look to those going underground because for them, things are going just right.



***Chad McCain rigging a haul system for the cave rescue in Northwest Arkansas.***



**Allie Spring Cave Survey.** Please join us at Big Caverns Ranch near Dixon, MO in Pulaski County, MO for the next installment of the Allie Spring Cave Survey Project on the weekend of January 26<sup>th</sup>, 2019. The caves of Big Caverns Ranch are managed by MCKC. Members and constituents of KCAG have been surveying the cave since 2015 and have over 13,000' of passage to date. **If you are attending** the MSS and MCKC meetings,



please consider joining us on Saturday for caving after the meetings. There will be options for Sunday and Monday trips as well. Easy to difficult trips are available with a possible Sunday in-cave camp trip to work on the leads in the far reaches past the Salt Cellar. Vertical work is also an option at the lead near the top of the Texas Dome. No wetsuit required, but this cave is often quite breezy. Dress accordingly. **Group feed** Saturday night at the cabin, plenty of camping space, weather permitting. Bunk space in the cabin is limited to first come. **Sign up by Jan. 19<sup>th</sup>, 2019** by contacting Shawn Williams at 314-583-7039, [sosifr@yahoo.com](mailto:sosifr@yahoo.com) or on the Allie Spring Cave Work Group on Facebook. If you want to play it by ear regarding Saturday caving, please let either myself or Ken Grush know at the meeting. Bring your gear! –Shawn Williams

**Missouri Speleological Survey Files Report for January, 2019.** Remember if you have new information on any Missouri caves, my email address is [slagrush@gmail.com](mailto:slagrush@gmail.com). We need your help to improve the database to make it more complete. Here's an update, the electronic database continues growing quickly. At close of the year, the Missouri Cave Database, MCD, has 3,066 monitoring forms, 5,631 map records, 18,111 reports and 33,791 faunal records. By comparison with same time last year, the database had 2,705 monitoring forms, 5,353 map records, 15,375 reports, 31,137 faunal records. Kudos to all of the cooperators working within the state. **CRF sent:** -A "bunch of data." A group of 10 cavers met in Shell Knob for the weekend and collected over 300 photos, 10 map/surveys, over 100 faunal records and over 20 use monitoring forms on 25 caves in Barry County. Having problems going caving or finding caves to visit, then come out and participate in a CRF work weekend. Contact Scott House to be put on the calendar of events or contact any of the MSS board members for information. There have been several trips to Barry and is reflected in the 45 new cave maps that have come in this year from the county. All this work will hopefully soon appear in new issues of Missouri Speleology. **Kirsten Alvey sent:** -55 faunal records for 2 caves in Miller County, 2 caves in Pulaski County, 2 caves in Ralls County and 1 previously unlisted quarry in Marion County. -An additional 80 faunal records for 5 caves in Miller County, 3 caves in Camden County and one in Stone County. **Matt Beeson sent:** -A location for the new Double Dome Pit in Barry County. Other leads are being chased down in the same area. -A location for the new Armadillo Cave (SCL=21) in Morgan County. It didn't take long and then came Use Monitoring, Faunal Records and the final drafted map. -A cover photo for Spears Cave in Morgan County; it's a really big entrance, 45 ft wide and 50 ft high. -Two new cave locations for Morgan County: Clubhouse Cave and In and Out Cave. **Mark Brooks sent:** -A trip report to Dorothy Taylor Cave as part of 2 teams that went in Dorothy Taylor Cave in hopes of finding a connection to Berome Moore Cave. Right now they seem to cross over each other but not physically connect (see Jeremy Weih as part of the other team). Later he sent scans of the sketch and book notes. -Trip report on Berome Moore survey, including 5 faunal records. **Jim Cooley sent:** -His final map submission for Canyon Cave (1488 ft CL, 28 ft vertical range, VR) in Oregon County. I've mentioned before that Cooley sends in all his data for each final map. So I won't reiterate, but as an example, there were 77 documents that he shared with the archives on just one cave. Other cavers do provide additional supporting information, but here's an example for a mid-length cave. By comparison for a long cave which does have a lot of data is Berome Moore and the work that Chad McCain and almost every caver in the state (may be an exaggeration!) worked on has 2824 files in it. Field sketches, survey book and drafting "software" files (ai, xar, etc) can be archived. -A final

map of Witch Cave (141 CL; 31 VR) in Texas County. **Spike Crews sent:** -A location and photo of a great lead just off the road, heck, you can see the cave on Google Earth, if you know where to look. Just need to verify that the opening actually leads to enough cave to enter in the database. This lead along with several others is in Lincoln County. **Dillon Freiburger sent:** -Survey notes on 5 caves that he did on the recent CRF trip to Barry County. The caves included Sidearm, Blue Wall, Stickup, Pirate Caves and Big Brown Shelter. He then followed up with final maps on all 5 caves. He had also submitted use monitoring forms and faunal records on the 5 caves. He then updated the main table with directions and descriptions of these 5 new caves; part of the package of new caves and leads that Van Dalsem submitted during the CRF trip to Barry County mentioned above. **Paul Hauck sent:** -A final map of Ronald Hoff Cave (176 CL) in Perry County. The cave was first reported in 2008 by Phillip Moss, the cave finally got a map. Along with the map, he sent a detailed description and 13 photos of the cave. All documents will be sent to the archives. **Scott House sent:** -Final maps of Cueva Delta (26 SCL) and Delta Shelter (84 SCL), which are neighbor caves in Barry County, part of the recent CRF trip to the county. -A second collection of final maps from Barry County; these included three new caves: Morning Cave (124 SCL), Stepped Ceiling Cave (58 SCL) and Uno Cave (21 SCL) **Derik Holtman sent:** -Twenty photos from a recent trip to survey a new cave in Carter County, Devils Run Pit. -A collection of 27 photos and a video of a lovely cave in Crawford County. All are stored in the digital archives for future reference. **Dan Lamping sent:** -A new pit cave location, Devils Run Pit in Carter County, with directions and description of the pit, along with faunal records. This was a follow-up to a lead found on Facebook. Cave was mapped on the trip, but not yet submitted. -A new map of Cherokee Cave, in preparation for publication in MoSpeleo. This map just keeps getting better. -A trip report and 3 faunal records for a cave in Crawford County. **Joe Light sent:** -News clipping on the chemical infiltration at Fantastic Caverns (GRN) and the steps to remove the chemical. Apparently same chemical that caused problems at Meramec Caverns (FRA) back in 2016 and Elm Spring (FRA) in 1998. -A land plat from 1883 St. Louis that shows the property of two ice houses presumably where the Schnaider Cave (brewery cave) is located. The location does fit with other supporting documentation, but provides a likely location for the cave. Which ice house? **Chad McCain sent:** -Field survey notes on Berome Moore. These included the physical if not enterable connection between Berome Moore and Tom Moore Caves. Survey now stands at 21.48 miles. -Reports on recent survey trip to Berome Moore, for FSB241, FSB242 and FBS243 (including Sam Wentz's report on FSB243, including update cave length of 21.54 miles. **Jim Ruedin sent:** -A report on an MVG trip to find some "lost" cave on one of the conservation areas down in Texas County. Regrettably the caves are still lost, but marked off some territory where the caves aren't. **Kayla Sapkota sent:** -Final maps on Scorched Tree Cave (25 SCL), Gravelly Talus Cave (SCL25) and Gravelly Tunnel (26 SCL), all in Barry County. **Stan Sides sent:** -Some interesting history on Ball Park Cave in Perry County which in part was "resurrected" by Jim Sherrell (thanks for the assist) from an unnamed cave report that was published in the MMV "The Underground" back in 1962. There is much that can still be "harvested" from old grotto newsletters, but it is just too difficult to do without attaching names to the caves! -About 16 emails with 32 historical photos of Missouri's caving history, several caves and MVORs. All are going to the archives. **Tyler Skaggs sent:** -Photo of Onyx Cave in Camden County and an interesting GPS location nearby Onyx which is believed to be Dry Cave, the description fits but there are other promising leads nearby too. -GPS location and photos of a new cave in Texas County, Cathcart Cave. **Mick Sutton sent:** -A new species table for the database. This is a listing of all the species of animal life found in caves, currently in MO the MSS table reflects 1,265 species. Sutton also stays current on changes in content. For example, is everyone aware that there are now 2 "common" species of Grotto Salamander in MO, *Eurycea spelaea* and *Eurycea nerea*? The Grotto Salamander as known throughout MO has been split into 2 species. *E. spelaea* is found on the Springfield Plateau while *E. nerea* is more widely ranging across the rest of the state. -39 faunal records reflecting some of the work done recently by Sutton in Barry County, but also includes some historical records including salamander studies in MO. **Brandon Van Dalsem sent:** -Locations for 9 new caves in Barry County including

faunal records and brief descriptions. Then he sent the survey notes for 4 of these small caves and one tortuously small previously known cave, all in Barry County. The new caves that were not previously surveyed by Van Dalsem, were later surveyed by Freiburger (see his notes) and Van Dalsem. The caves that Van Dalsem submitted the survey notes on are Delta, Stepped Ceiling, Uno Caves and Log Cabin Shelter. He also sent survey notes on 2 other caves that he had previous worked on. These caves are Roundabout Skylight and Little Stream Caves. All of these caves were resurrected from survey trips that Van Dalsem did in 2016; they simply didn't get into the database. **Jeremy Weih sent:** -A trip report to Dorothy Taylor Cave as part of 2 teams that went in Dorothy Taylor Cave in hopes of finding a connection to Berome Moore Cave. Right now they seem to cross over each other but not physically connect. **Craig Williams sent:** -Trip reports and use monitoring forms for 2 caves in Texas County.—Ken Grush

**Kansas City Area Grotto (KCAAG). Nov. 1<sup>st</sup> – Nov. 5<sup>th</sup>** - Jim Cooley led a CRF gating team that included Jimmy Weese, Jay Bridgewater, Joe Williams (MSM), Margot Willums, Aaron Thompson (SPG, BMG), Carlos Cunha



**Butler Hollow Fence Gate**



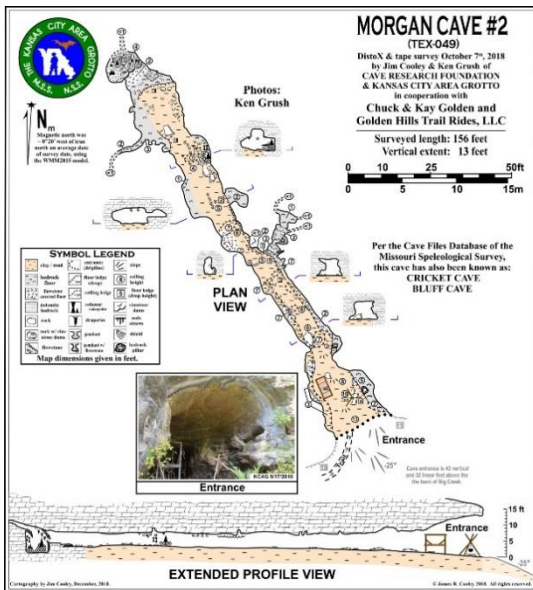
**Butler Hollow Fence Gate Crew**

(Chouteau), Kirsten Alvey-Mudd (Missouri Bat Census) and a host of U.S. Forest Service personnel to build a rigid fence gate around the sinkhole entrance of Butler Hollow Cave (BRY-077A). Despite cold weather, substantial and occasional torrential rain, and numerous equipment problems, the project came together very nicely, thanks to a seasoned and motivated team. It completed 1.5 days ahead of schedule. It was a real pleasure to meet and welcome Carlos Cunha to his first cave gating

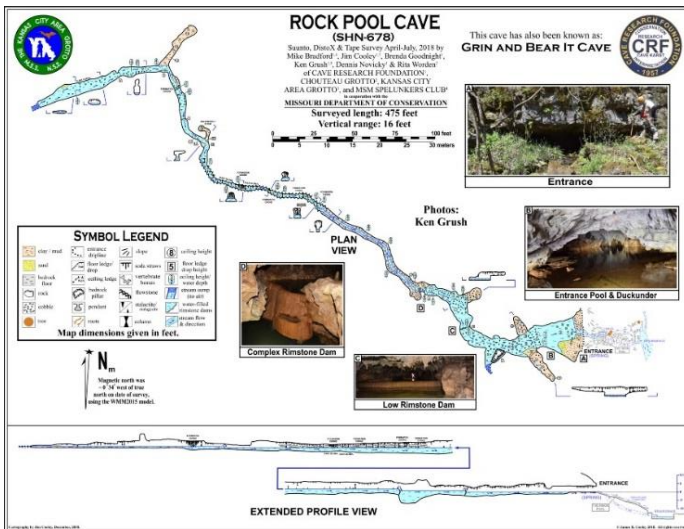
project, who fit right in with our crew and who worked his butt off. Kirsten Alvey-Mudd, as always, was an excellent chef, who took such pity on the wet and bedraggled crew that she served multi-course hot lunches every day, right at the job site. She was also, as usual, a steel-carrying maniac, plus lent her substantial culinary skills to mixing up many of the 30 buckets of Eucorock

synthetic grout (cement) that were used to set the 11 risers on which we hung the fence gate. *Ou la la – they were magnifique!* To top off the adventure, during the job site breakdown at the close of the project, no less than five vehicles required jump starts, all of them in the rain. Then CRF trailer was robbed enroute back to the Winona gear depot. A generator and other gating gear worth about \$4,000 were stolen. Cooley and George Billbrey are working on replacing this equipment now. **The Golden Hills Trail Rides Ranch** surveys are continuing. **Nov. 8<sup>th</sup>** - Cooley completed the survey of Morgan Cave #1 (TEX-050), while

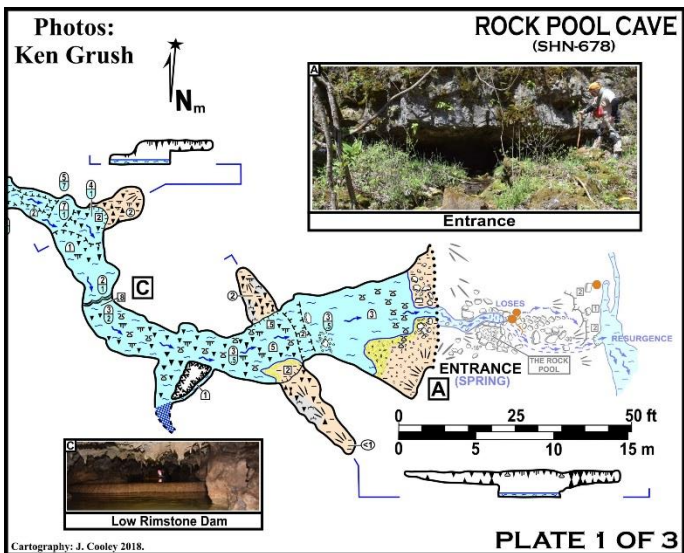




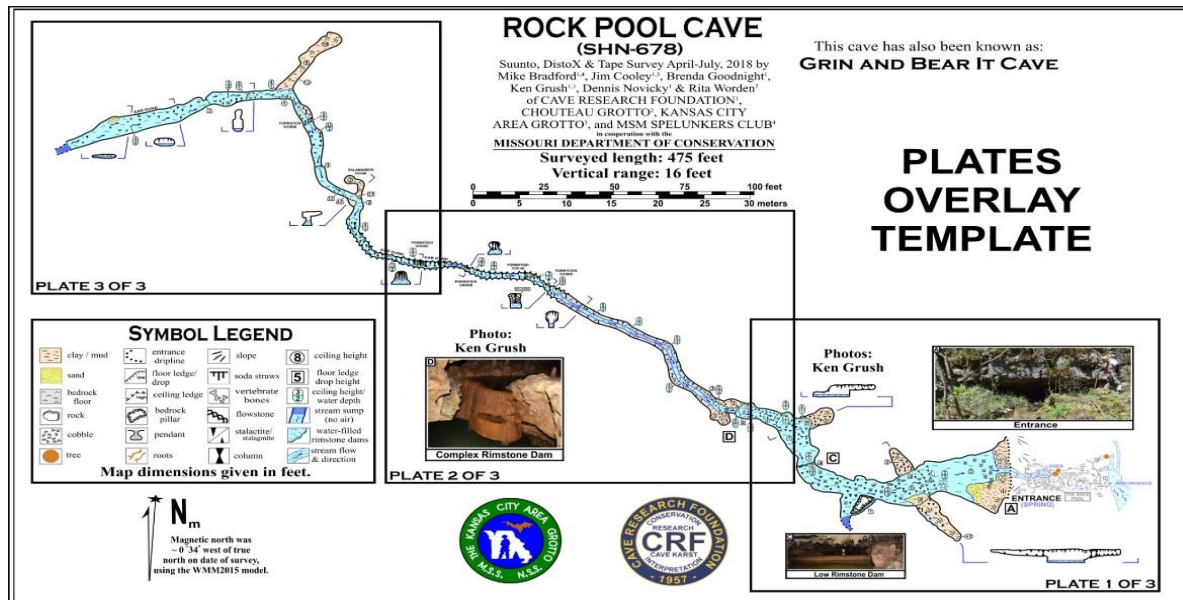
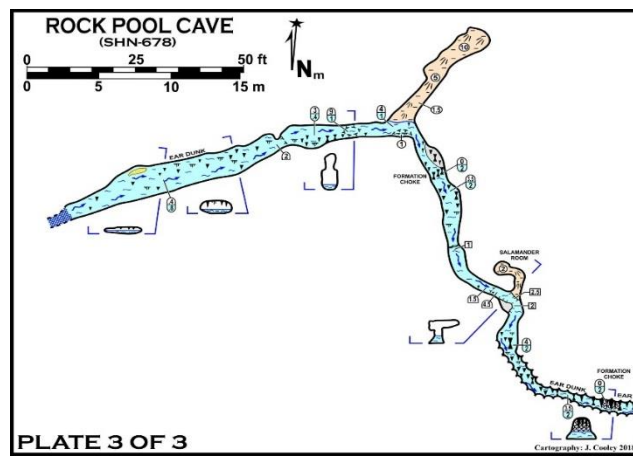
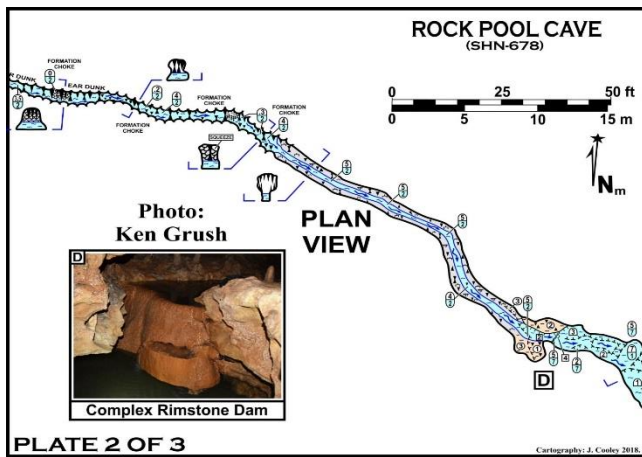
Ken Grush surveyed Bradford Cave Hollow Cave (TEX-157, and yes, there are TWO "caves" in that cave name). The next day, Cooley & Grush located and monitored Brayer (TEX-055) and Cathedral Caves (TEX-056), checked out some smaller new caves, and then continued the



survey of Potato Cave (TEX-053). **Dec. 29<sup>th</sup>** - Bill Gee and Pic Walenta conducted a survey training and educational outreach at Stark Caverns (MIL-001), a recently reopened show cave in Eldon, Missouri. Participants also included Zach Lavicky, his wife and two boys, Jack Peters, Kristen Godfrey, Seth and Kristen Colston, Greg Heron and his son Christian (all KCAG members), and Chaz Jesiolowski, who is a member of Lake Ozarks Grotto and the operations manager at Stark Caverns. Gee did a "Cave Survey 101" course for Walenta, Greg Heron, and Jesiolowski. Jesiolowski had never surveyed anything, so it was all new training to him. For Walenta and Heron, it was a refresher course. In about three hours, Gee, Walenta, the elder Heron, and Jesiolowski surveyed and sketched five stations totaling 74 feet. This is now an official resurvey project, with Gee leading the effort. Meanwhile, the other participants visited off-trail portions of the cave. **Lastly**, Cooley completed and submitted a new cave map for the new-to-the-MSS Witch Cave (TEX-206), a 141-foot-long bi-level cave on the Golden Hills property; two of the three small Morgan Caves on the Golden Hills property (TEX-048 at 62 feet, & TEX-049 at 156 feet), and Rock Pool Cave (SHN-678), a 475-foot-long Missouri Department of Conservation-



owned low, wet spring cave, new to the MSS, that was known to some non-MSS-reporting cavers in a former life as Grin and Bear It Cave.-- Jim Cooley



**Middle Mississippi Grotto (MMV). Sept. 18<sup>th</sup>** - While in Ireland, Lois Walsh stumbled on to Badger Cave, next door to Blarney Castle in County Cork, Ireland. The cave was 50 ft. with bare light bulbs ending in breakdown. Legend has it that there are three passages beyond the breakdown that were used by the Royalist followers to escape, with their gold, from Cromwell's men. A sign outside the cave said "if you think you'll find the secret passages and the gold, remember, you are at Blarney Castle". **Nov. 10<sup>th</sup>** - Rick and Michael Haley, Joe Light and members from CAIRN (Cave Archaeology Information & Research Network) visited Double Drop Cave in St. Louis. The purpose was to inspect the cave for archaeology with CAIRN. It was a 15 ft. pit dropped via cable ladder and was somewhat wet. **Also-** Brian Biggs, Chad McCain, Mark and Cody Brooks, Alex Litsch, Sammy Wents and Gary Resch did survey trips in to Tom/Berome Moore. The trips surveyed a "handshake" connection between the two caves. This puts the cave at 21.48 miles. **Nov. 11<sup>th</sup>** - Jim Sherrell, Brett Misel and Lisa Moon visited Chantilly Cave in Monroe County, IL. They only noted that it "goes". They also visited Ebeer Cave at a golf course. There are three entrances. Found were Horn Coral Fossils and Isopods. It is big and wet and is "going". It is 14,000 feet from resurgences. **Nov. 13<sup>th</sup>, 14<sup>th</sup> & ?-** Dane Driskill visited several caves. Some tourist, some not. Tourist caves are Fantastic Caverns and Smallin Cave in Missouri. Fees are \$18 and \$24 respectively. He reports that Smallin Cave is very good and you should go see it. Kevin, the guide, is the best! Another tourist cave is Kartchner Cave in Benson Arizona. The price was not reported, but Dane says it is worth it. The wild cave is in Perry County, Missouri near PCR 420. It is a new unnamed cave and is reported to be a crawling cave only. It contained 3 inch stalactites, water, mud, spiders and crickets. **Nov. 17<sup>th</sup>** - Brian Biggs, Chad McCain, Alex Litsch, Rob Karvaliauskas, Joser Cooper and other guests (17 total) visited Berome Moore

Cave. The purpose of the trip was to be an introductory trip for "kids of cavers". The group was taken on three hours of loops around base camp. All of the kids did very well and will make a great next generation of cavers. **Nov. 17<sup>th</sup>** - Dane Driskill and Laura Belarbi visited Tom Unger's Cave in Perry County. It is a 15 ft. pit into a shallow stream passage. It is a crawl in two directions - 20 ft. one way and 30 ft. the other way. Around this pit were lots of other sinkholes (10+).--Doug Leer

**Springfield Plateau Grotto (SPG). Nov 3<sup>rd</sup>**—While Jim Cooley and fellow CRF gaters were installing a steel fence gate around the vertical entrance, two CRF crews amassed at the horizontal entrance to begin the resurvey of Butler Hollow Cave (Barry Co), a cave located in Mark Twain National Forest. Mick Sutton, Sue Hagan and Matt Beeson began mapping the entrance passage and a side passage while a crew of Dillon Freiburger, Matt Bumgardner and Jon Beard began mapping another section adjacent to the bottom of the vertical entrance area. **Nov. 4<sup>th</sup>**—With Jim Cooley and gang continuing work at the vertical entrance, two crews continued mapping the Grand Crevice Passage and Far Gone Passage in Butler Hollow Cave (Barry Co). The mapping crews were Mick Sutton and Matt Beeson who continued Grand Crevice and Sue Hagan and Jon Beard tackling some of the other. **Nov. 8<sup>th</sup>**—SPG conducted its annual Fantastic Caverns(Greene Co) business meeting in its Auditorium Room, followed by a leisurely stroll through the show cave sections of the cave. Thanks to the cave's publicity director Hubert Heck for his hospitality for 16 SPG members and some guests. **Nov. 9<sup>th</sup>**—Bill Palmer, Jim Huckins, Roy Gold and Jon Beard made a photo trip to Crystal Caverns (Barry Co) to photograph its helictites, aragonite and other speleothems. The recent damage to the entrance structure done by vandals was studied, to be repaired on the 25<sup>th</sup> of the month. **Nov. 17<sup>th</sup>**—Nicole Ridlen honed her cave survey skills in Walkway-all-the-way Cave (Greene Co) under Jon Beard's tutelage. The 90-foot cave has often been used as a survey workshop for decades (think of the thousands of versions of the map!). While Nicole sketched, Jon recorded biota and picked up a small bag's worth of trash. The cave is located in a city park and receives much visitation despite WNS "closed" signs. **Nov. 24<sup>th</sup>**—The Beeson family (Mike, Matt and Dwight) and Jon Beard continued the resurvey of Butler Hollow Cave (Barry Co) as part of the CRF project work there, amassing over 500 feet to add to more than 1,600 feet mapped earlier. Three upper level passages remain to be mapped. Also -As part of the CRF Project on the Buffalo River, Mark Brooks and Brandon VanDalsam surveyed 3 small cave and Sammy Wentz sketched the map for T-Bone Cave. **Nov. 25<sup>th</sup>**—Thirteen SPG members and five guests met at Crystal Caverns (Barry Co) to do some weed cutting and to repair the damage done by vandals to the entrance structure. Members participating were Charley and Abby Young, Max White, Sammy Wentz, Brandon Van Dalsem, Cheryl Paulson, Bill Heim, Roy Gold, Treavor Bussard, Matt Bumgardner, Bethany Bruman, Jon Beard and Doug Baker. Max led the effort on repairs with help from Bill, Charley, Jon and others. While that was going on, the others were going through the cave including some impressive photography. **Nov. 29<sup>th</sup>**—Jon Beard joined several MDC biologists in the monitoring of Lower Burnt Mill Cave (Camden Co) where the group noted the breach of the chute gate and discussed the repair necessary. They then counted fauna along the approx. 1,000 feet of cave. The cave is within the MDC's Burnt Mill Conservation Area. **Dec. 1<sup>st</sup>**—Jon Beard and Mark Jones surveyed Slug Cave and monitored Salamander Cave (Barry Co) as part of CRF projects in Mark Twain National Forest. Both caves, located not far apart, are minimal caves in length. **Dec. 2<sup>nd</sup>**—Ken Grush, Jon Beard, Sue Hagan and Mick Sutton monitored Satellite and Hidden Salamander Caves (Barry Co) in the national forest. Both caves are a bit over 100 feet in length, but are quite different. One is tall and narrow, the other is very low and narrow. Also - Sammy Wentz and Brandon VanDalsam went on a photo trip into Crystal Cavern. **Dec. 3<sup>rd</sup>**—Ken Grush, Scott House, Mark Jones and Jon Beard mapped and monitored a group of minimal caves that included Cueva Delta and Delta Shelta (Barry Co) as CRF work in the national forest. **Dec. 11<sup>th</sup>**—Jon Beard accompanied two MDC biologists to Fauna Cave (Greene Co) to monitor this privately owned gated cave. The cave is 151 feet long, has a small trickle stream through some of it but is otherwise dry. **Dec. 15<sup>th</sup>** --Austin Brooks, Mark Brooks, Blake Tinnin and Sammy Wentz surveyed in the Historic outer section of Onyx Cave (Howell County). Austin and Blake ran instruments while Mark helped Sammy sketch. **Dec. 16<sup>th</sup>**—Alicia and Jon Beard surveyed the surface environs around Shoal Creek Cave (Newton Co) to include some of this detail on the map of the cave, scheduled to be completed in January of 2019. **Dec. 22<sup>nd</sup>** -- Sammy Wentz joined other cavers at Berome Moore Cave (Perry County) to continue the survey. The team Sammy was on surveyed through the



Boulder Crawl, surveying 350 ft. for the day. **Dec. 29<sup>th</sup>** -- Sammy Wentz and others continued the survey of Onyx Cave.--Report by Max White, Materials provided by Jonathan Beard and Samantha Wentz

**Lake Ozarks Grotto (LOG). Nov. 3<sup>rd</sup>** – Grotto trip into Stark Caverns for exploration purposes by Ken Long, Christen Easter and Abby Peper, finding a hole to new passage. **Dec. 9<sup>th</sup>** – LOG held its annual Christmas Party at the home of Burke & Christen Easter, Camdenton. **Goodwin project: In December**, Klaus Leidenfrost reported missing tools from the site – s shovels, 2 garden rakes, 2 hoes, 1 post hole digger, 1 pickaxe and a 5 gallon container of old diesel fuel. If anyone has any tools to donate, please let Klaus know – klaus1@fidnet.com. **Dec. 30<sup>th</sup>** – Klaus Leidenfrost, Jean Knoll, Ken & Monica Long worked at Goodwin, cleaning up and burning leaves. The next workday is scheduled for Jan. 27<sup>th</sup>.—Alberta Zumwalt

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**MSS web site** –www.mospeleo.org **Carroll Cave Conservancy website** <http://www.carrollcave.org>

**Ozark Caving web site**– [www.ozarkcaving.com](http://www.ozarkcaving.com) **MCKC website** – <http://www.mocavesandkarst.org>

**Caves of Missouri Discussion Group** – <http://groups.yahoo.com/group/cavesofmo>

**Petroglyphs, inscriptions, & pictographs:** rockartmo.com

**The new MoCaves:** <https://groups.yahoo.com/neo/groups/mocaves/info>

**CALENDAR:**

**January 26<sup>th</sup>, 2019 – Winter MSS meeting, 1 pm, DGLS Annex Bldg., 111 Fairgrounds Rd., Rolla, MO. Presentations before meeting. MCKC meeting will be the same day.**

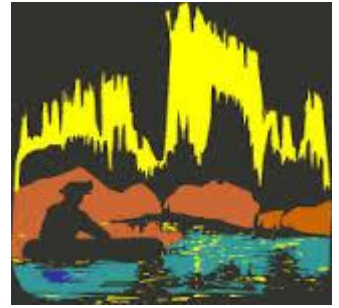
**January 27<sup>th</sup> – Goodwin workday.** Contact Klaus Leidenfrost (klaus1@fidnet.com) for more information.

**March 1<sup>st</sup>, 2019 – Next MSS Liaison deadline.**

Missouri Speleological Survey  
**Winter Board Meeting Agenda**

*January 24, 2019*

*Division of Geology and Land Survey Annex Conference Room  
111 Fairgrounds Road, Rolla, MO*



**Morning Session**

- Building opens at 8:00 – informal time to socialize, view maps, etc.
- Cave Files Help Desk/Database tutorials, etc.
- Presentations, demonstrations, etc.

**Board meeting begins at 1:00 PM**

**Administrative Business**

- Roll call – Officers and Board
- Secretary’s Report and approval of last meeting’s minutes – Alberta Zumwalt
- Liaison – Gary Zumwalt
- Treasurer’s Report – Don Dunham
- *Missouri Speleology* – Don Dunham

**Old Business**

**New Business**

- Daedalus Grotto Affiliate Organization request

**Projects and Announcements**

- Cave files / Database
- Agency Reports
  - *Mark Twain National Forest*
  - *Ozark National Scenic Riverways*
  - *Missouri Department of Conservation*
  - *State Parks*
  - Others
- Affiliate Organizations Project Reports
  - Carroll Cave
  - Berome Moore Cave
  - Others
- Public Outreach
  - Facebook & Website

**Next meeting & Adjournment**

**Lake Ozarks Grotto (LOG).** **Nov. 3<sup>rd</sup>** – Grotto trip into Stark Caverns for exploration purposes by Ken Long, Christen Easter and Abby Peper, finding a hole to new passage. **Dec. 9<sup>th</sup>** – LOG held its annual Christmas Party at the home of Burke & Christen Easter, Camdenton. **Goodwin project: In December**, Klaus Leidenfrost reported missing tools from the site – s shovels, 2 garden rakes, 2 hoes, 1 post hole digger, 1 pickaxe and a 5 gallon container of old diesel fuel. If anyone has any tools to donate, please let Klaus know – klaus1@fidnet.com. **Dec. 30<sup>th</sup>** – Klaus Leidenfrost, Jean Knoll, Ken & Monica Long worked at Goodwin, cleaning up and burning leaves. The next workday is scheduled for Jan. 27<sup>th</sup>.—Alberta Zumwalt