

# THE MSS LIAISON

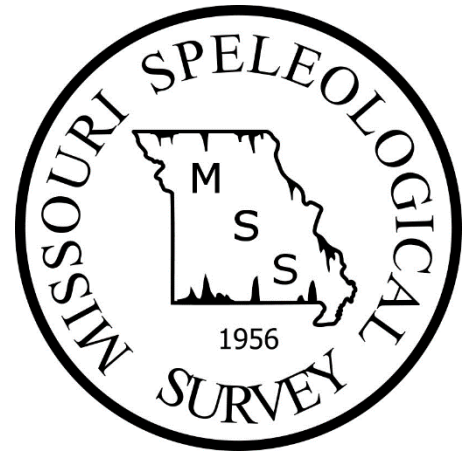
## VOLUME 57 NUMBER 5-6

May - June 2017

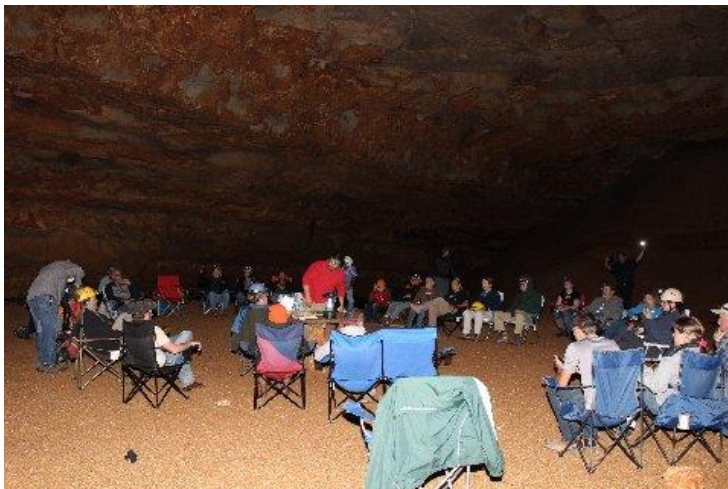
### AFFILIATE ORGANIZATIONS:

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

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**MSS MINUTES.** The Spring 2017 Board meeting of the Missouri Speleological Survey was called to order by President Dan Lamping on May 21<sup>st</sup> in Onondaga Cave, Leasburg, MO. **Introduction of**



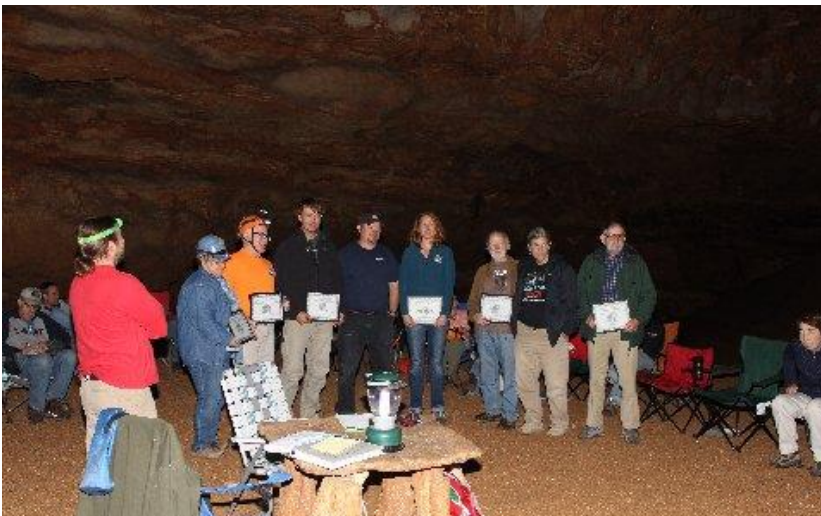
*Spring MSS meeting location, inside Onondaga Cave in the Missouri Caverns section.*

**Officers:** Dan Lamping, President; Alberta Zumwalt, Secretary. Absent were Scott House, Vice-President; Don Dunham, Treasurer; **Roll Call of Directors:** Chad McCain, SEMO; Michael Bradford (proxy for Jessica Self), MSM; Krista Bartel, CCC; Lorin O'Daniell, PEG; Gary Zumwalt, LOG; Max White, SPG; Alicia Wallace, MCKC; Craig Williams, CAIRN; Dan Slais, RBX; Ken Grush (proxy for Jim Cooley), KCAG; Tony Schmitt, MVG; Al Quamen, LEG; Bill Heim, OHG; Alex Roberts (proxy for Rita Worden), Chouteau. Absent was: Doug Leer, MMV. **Secretary's report.** Alberta Zumwalt reported that the

minutes of the Winter 2017 meeting were distributed after the meeting to the Directors and Officers and were printed in the Jan.-Feb. issue of *MSS Liaison*. The minutes were approved. **MSS Liaison.** Gary Zumwalt reported sending out 46 paper copies and the rest as electronic copies with cash on hand of \$231.52. The next deadline is July 1<sup>st</sup> with that issue being a memorial to Jerry Vineyard. Short articles about Jerry should be sent in by the deadline. Pres. Lamping said that he posts the *Liaison* on the website. **Treasurer's Report.** Don Dunham had sent out the report electronically before the meeting and copies were distributed at the meeting. Accounts: General fund \$10,373.78; Subscriptions to *Missouri Speleology/Liaison* \$4,015.41; Research Funds \$12,724.78; Anne Johnson Data Fund \$19,654.73. Interest checking \$53.56; Affiliation fees \$950.00; Liaison \$931.00; Total \$48,703.26. Assets: Savings bonds \$2,000.00; Interest checking \$46,703.26; Total \$48,703.26. **Missouri Speleology.** Pres. Lamping said the next issue out would probably be another North Fork issue. **MSS shirts.** Pres. Lamping said the new shirts are available now. **Research Council.** Pres. Lamping said the research council lost a member, Jerry Vineyard. Remaining members are: Oz Hawksley, Dwight Weaver and David Ashley. **Affiliate Organizations.** Pres. Lamping reported that this position is still vacant. Annual reports can be sent to Pres. Lamping. He asked for volunteers to take the position. No volunteers came from the dark. **Cave Files.** Ken Grush reported that Scott House is recovering from shoulder

surgery and turned the cave data base over to him while he is recuperating. Ken reported in 4 ½ years: +617 caves, 11,600 records. We now have separate faunal records totaling 27,900. The map data base has 5200 map records representing 3800 caves with 7300 recorded caves in the data base. Ken said they are now keeping track of mines, which started with Hannibal. Caves, leads and mines can be determined separately. **Agency reports.** Mark Twain National Forest – Mick Sutton report ongoing work with some new small caves found. Ozark National Scenic Riverways – Pres. Lamping reported massive flooding in the area. The Powder Mill Research building went under. He said Dennis Novicky, Brenda Goodnight, George Bilbrey, Ken Grush, Mick Sutton and Sue Hagan went right away to try to salvage some things. Ken Grush said they were told to stop working on the building because of a concern for health and safety. Whole layers of the ceiling had fallen. MO Dept. of Conservation – Pres. Lamping reported field work in the Huzzah Wildlife Area. They have been working with Shelly Colatskie but she was promoted to another job. State Parks – Ken Grush reported working with DNR on individual parks. Pres. Lamping reported working with student groups in Cliff Cave and St. Louis County parks. Tony Schmitt found a “lost” cave because of some info that came from Earl Biffle. **Affiliate Organizations Project Reports.** Chad McCain reported work on Kohm’s Cave. Carroll Cave – Krista Bartel said they still have some leads. Pres. Lamping added they have more to map but it is difficult. Bill Gee has been collecting data which is now being sent to Ken Grush to put in the data base. RBX – Dan Slais reported on a contact from the Discovery Channel. Karen Hood, RBX member who works for tourism, has been talking with the Discovery Channel about a reality show in caves. She said she referred them to local landowners. Other organizations said they had also been contacted and to be cautious about the project. MSM – Jeff Crews reported their grotto continues to partner with CRF, doing lots of mapping and monitoring. SPG – Jon Beard reported searching for the Ozark Big-Eared bat in the lower counties. They were present over 100 years ago before sites were inundated by lakes, then towns and roads are built. They have to deal with landowners who are not always willing to cooperate with them. They haven’t found any yet but have more sites to check. **Public outreach.** Pres. Lamping said to share things on the MSS Facebook page. He said Joe Light has created a store on the website which is now set up. They have to decide what all to put on it. PayPal can now be used. Pres. Lamping said that contacts range from landowners, environmental groups, etc. He said he had one question the potential of buried caves in St. Louis. The guy was just down the street from where Pres. Lamping lives. Chad McCain mentioned a Facebook page where he is organizing an update on Berome

Moore Cave. The Pot of Gold Survey was ½ mile by Aaron Addison and Rick Haley. Don Dunham also found Turtle Shell notes. **Awards.** Tex Yokum Certificate of Appreciation for supporting the goals of the MSS: Brent Buerck, City of Perryville (not present); Shauna Marquardt, US Fish and Wildlife. Lang Brod Certificate of Recognition for contributions to speleology in Missouri and in support of the goals of the MSS: Jim Cooley, Don Dunham and Eric Hertzler (not



*Award recipients at the Spring MSS meeting.*

present); Ken Grush, Chad McCain, Tony Schmitt, Alberta Zumwalt. J Harlen Bretz Award for outstanding contributions to speleology in the state of Missouri – Mick Sutton & Sue Hagan, Paul Hauck. **Next meeting:** Sept. 17<sup>th</sup> – 10 am, Sunday, at Berome Moore, Perryville. Pres. Lamping said thanks to the Park and Spike for the meeting location. Meeting adjourned. – Respectfully submitted, Alberta Zumwalt.

**Roubidoux Grotto (RBX)** – Karen Hood (with assistance from RBX Members Laura Huffman, Ryan Thompson and Andy Free) led a Discovery Channel Producer with whom she is collaborating in her role as Marketing Relations Manager at Pulaski County Tourism Bureau, through several Pulaski County Caves conducting location/site surveys. In May and June, many Roubidoux Grotto members helped with repairs from flooding on Big Piney and other area rivers. Work with Discovery Channel progressed. **Feb. 11<sup>th</sup>** - Michael Aalsburg toured Meramec Caverns. **Feb. 18<sup>th</sup>** – Laura Huffman, Ryan Thompson, and Karen Hood went to Gourd Creek Cave and nearby Sinks. **Mar. 4<sup>th</sup>** – Ryan Thompson and Karen Hood led a potential members trip to Roubidoux Cave. They picked up trash and bannered the area with purple “no trespassing “ tape. **Mar. 8<sup>th</sup>** – Dan Slais and Roger Preston led a Ozark Springs Quad cave monitoring trip to Brown, Sunset and a “New” Cave with Kelsie Johnson, Jason Baker, and Brent Baker. **Mar. 10<sup>th</sup> - 11<sup>th</sup>** – Laura Huffman and Karen Hood worked the Roubidoux Grotto booth at the Outdoor Sportsman Show in St. Robert. Kelsie Johnson helped on the 11<sup>th</sup>. **Mar. 20<sup>th</sup>** –monitoring reports sent to MSS. **Mar. 25<sup>th</sup>** -Karen Hood and Michael Aalsburg were at RBX trip to Campground Cave to show NSS member Carl Tuttle the site. **Mar.** – Kelsie Johnson(employed since 2006) and Kelly Ferguson (new Hire) working in Bridal Cave. **Apr. 7<sup>th</sup> – 9<sup>th</sup>** -Karen Hood, Laura Huffman (7<sup>th</sup> & 9<sup>th</sup>), Kelsie Johnson (8<sup>th</sup>-9<sup>th</sup>), Andy Free, Jessica Self, Lukus Shoffner, and Roger Preston (8<sup>th</sup>) were all at the MVOR at Boiling Springs. **Apr. 9<sup>th</sup>** – Karen Hood and Laura Huffman were at a site survey at Roubidoux Cave. **Apr. 8<sup>th</sup> – 9<sup>th</sup>** – Dan Slais started work at Onondaga Cave. **Apr. 10<sup>th</sup>** – Karen Hood did a site survey at Railroad, Skaggs and Tunnel Caves. Andy Free joined in at Tunnel Cave. **Apr. 13<sup>th</sup>** - Karen Hood did a site survey at Hamilton Cave. **Apr. 14<sup>th</sup>** - Ryan Thompson went to Railroad Cave for a site survey. **Apr. 14<sup>th</sup>** – Andy Free did a site survey at Tunnel and Spring Caves. **Apr. 18<sup>th</sup>** – Dan Slais checked with landowners for Ozark Springs cave monitoring. **Apr. 20<sup>th</sup>** – Roger Preston, Michael Aalsburg, Kelsie Johnson, Jason Barker, Brent Baker went to Finley #1 Cave to monitor. **May and June-** No specific cave trips per grotto were held. Work with Discovery Channel operations continued through grotto president Karen Hood. –Dan Slais

**Lake Ozark Grotto (LOG).** **May 21<sup>st</sup>** – Gary & Alberta Zumwalt attended the Spring MSS meeting inside Onondaga Cave to the Missouri Caverns section. It brought back memories of when we did volunteer tours during the opening of the visitor center.



*Klaus Leidenfrost washing mud off cave walls at Goodwin*

**Jun. 4<sup>th</sup>** – Ken Long helped Klaus Leidenfrost install a panel fence in the stream above the waterfall at Goodwin Sink. They drilled 3 – 12” deep holes and then put in 1” rods to hold everything in place. They also installed the new camera purchased by LOG. **Jun. 8<sup>th</sup>** – Gary & Alberta Zumwalt worked with Klaus at Goodwin, weed whacking and spraying mud off the cave walls. Attempts were made with a pump and hose to drain the water from the pond in the entrance to the cave at three different places with no



*Ken Long rappelling at Goodwin*

success. Water kept going back into the original pool. **Jun. 25<sup>th</sup>** – Ken Long rappelled at Goodwin to try to dislodge a rock that was loose and in danger of falling.—Alberta Zumwalt



**Kansas City Area Grotto (KCAG). Apr. 25<sup>th</sup>**- Jim Cooley left Kansas City for the Powder Mill Research Center, to retrieve the CRF gating gear to build two full-enclosure bat-friendly cave gates on two mined caves in the heavily mined Butler Hollow, which is located in Barry Co., MO. Ten such gates have already been constructed in this area by CRF. One gate was to be on the horizontal entrance (a mined adit) of Butler Hollow Cave, and the other was to be on Sugar Silver Cave. These caves are located on the Mark Twain National Forest, which are targeted as a part of the Forest Service's national mine closure program. En route, Cooley was contacted by the Forest Service and informed that, in view of impending heavy rains, the first of these projects, at Butler Hollow Cave, was to be postponed. After holing up at George Bilbrey's farm in Salem on Wednesday, on Thursday Cooley proceeded to PMRC and retrieved most of the CRF gating gear, then proceeded to Cassville, MO. to wait out the storm and then continue with the construction of the second gate on May 1<sup>st</sup>. After the torrential rains that were to cause record and catastrophic flooding throughout southern Missouri had ceased, on Apr. 30<sup>th</sup>, Cooley proceeded to conduct a recon of Sugar Silver Cave to see if the gate project was still possible. The route to the cave was open, and this spring cave was not pushing much more water than normal, so Cooley contacted



***Mossy Shaft Gate (Little Bill)***  
***Scale object- Jim Cooley***

the Forest Service and confirmed that the project was a go. At that point, noon on Sunday, Cooley put out the word to all the cavers and Americorps help standing by that the second half of the project would proceed. By 4 p.m., however, the magnitude of the flooding disaster on other areas of the Mark Twain National Forest was beginning to become clear, and the decision to proceed with the gating effort was reversed by higher management at the Forest Service. All Forest Service personnel and equipment would be required for disaster relief and recovery. Jay Bridgewater was contacted in time, before leaving Kansas City, and waived off, but prompt and ever-ready Bill Gee was just completing the four-hour drive to Cassville when he was reached by cell phone. Cooley and Gee had a nice restaurant meal in Cassville, Gee gave a full and interesting report on the extensive flooding between Kansas City and Cassville, which nearly closed Highway 71, and Gee then set up camp at the Cassville Ranger Station for the night. Bright and early the next morning, Cooley and Gee packed up and headed back to Kansas City. Cooley had to store all the gating gear in his parent's garage for a while, as the Powder Mill Research Station was flooded and destroyed by the Current River, which crested 16 feet

above its previous record. **May 13<sup>th</sup>**- Bill Gee led a third trip into Carroll to collect eDNA samples, collecting water samples from certain points in the cave. Participants were Gee, Joshua Mouser (this is his master's thesis project), Dr. Shannon Brewer (Mouser's thesis advisor), Ben Perkins and Jenny Sung. This trip was basically a repeat of the Mar. 25<sup>th</sup> and Apr. 15<sup>th</sup> trips. The team revisited each of the six previously marked sites to collect and filter water samples. They started down the shaft at 9:30 am and were all out by 4:15 pm. Gee also downloaded the stream level data loggers. Later analysis of this data showed, to no one's surprise, that the cave had experienced a major flood during the last few days of April. **May 14<sup>th</sup>** - Cooley loaded the gating gear back up at his parent's house in Kansas City and proceeded to Valles Mines, MO., 67 miles southwest of St. Louis on Highway 67, where CRF has been contracted by the Missouri Department of Natural Resources, Division of Land Reclamation to close four mine shafts or mined sinkholes on this large, heavily mined private property. These



**Creek Shaft Gate**  
**Scale object – George Bilbrey**

open shafts will be closed with bat-friendly cupola-style mine closures. **May 15<sup>th</sup> - May 23<sup>rd</sup>** - Cooley and cavers George Bilbrey, Alex Litsch and Joe Williams worked with five Americorps helpers to construct two full-enclosure cupola gates, one on Mossy Shaft (known to cavers as Little Bill) and one on the Creek Shaft. After the project was completed, Cooley deposited the gating gear at a new gear depot graciously made available to CRF by the U.S. Forest Service. **May 30<sup>th</sup>** - Cooley left Kansas City and returned to the Valles Mines property to work out a functional route to the next shaft to be gated, the Bus Fill Shaft, known to cavers as Discovery Pit. This is a large, remote mined sinkhole 40 feet long and 20 feet wide. **Jun. 16<sup>th</sup>** - Cooley returned to this site with a local heavy equipment operator, who will use a 20-ton track hoe on July 5<sup>th</sup> to prepare a road and the site for the Mother of All Cupola Mine Enclosures – at least by Missouri standards. The construction phase of this project will run from Jul. 6<sup>th</sup> - 16<sup>th</sup>. Missouri cavers interested in bat habitat conservation are invited to join and participate in this project. Contact Cooley at 816-753-8111. A

final, chute-style gate on a gray bat maternity colony will also be constructed at Valles Mines from Oct. 30<sup>th</sup> – Nov. 5<sup>th</sup>. Cavers are invited to assist with this complex project as well.--Jim Cooley

**Missouri Speleological Survey Files Report for May 2017. Aaron Addison sent:** Confirmed the location of a cave that was published in the NSS Speleodigest (1997) and LEG Crawlway Courier (1993). Andrew Brumfield (Pit) now has a home in the database. Also a nearby pit which was published in the Courier as Pits of Little Egypt Pit in 1993 has been linked to a Chad McCain entry for Kris Hartman, Skylight Pit from 2009. Location and McCain confirm it is the same cave. **Jim Beard sent:** New maps of Jodies Cave and Silent Salamander in Christian Co.; New map of Moonshine Hole in Barry Co.; New map Fitzpatrick Cave, long held in amongst a cluster of caves in Christian Co.; This one finally gets the detail of a stand-alone map. This map is part of the Robert Taylor legacy of undrafted maps that Jon has so diligently pursued; New map of Big Cave in Green Co. **Jim Cooley sent:** New map of Big Barren Church Cave in Ripley Co. The church just happens to be near to a creek of the same name; New maps of the adjacent Fly Cave No. 1 & 2, along with River Road Cave map all in St. Clair Co. **Scott House sent:** Faunal records in 30 spreadsheets representing 10 years of reporting by the fine folks of Carroll Cave Conservancy. **Dan Lamping sent:** New map of Scotia Furnace Cave in Crawford Co.; A new cave report Baumgartner Cave in St. Louis Co., a joint effort with Joe Light; Monitoring forms and faunal record for Big Bear Cave in Shannon Co., an LAD property worked with Jim Reudin, Derik Holtmann, Alicia Wallace, Darrell Routt; New faunal records and use monitoring on 4 caves in Huzzah Wildlife, work done on the MSS meeting weekend at Onondaga Cave St. Park. **Joe Light sent:** A newspaper clipping from the St. Louis Post-Dispatch featuring Joe Light holding a Cherokee Cave (SLO) sign and article on the history of the cave; A photo “essay” of a new Baumgartner Cave in St. Louis Co.; Report, faunal records and photos (Light and Tony Schmitt’s photos) on Fogelbach Cave. Cave is entered through one of the St. Louis Co. sewer plates!; Report and photos on Fleming Cave in Crawford Co. and visited during the MSS weekend meeting and caving. **Chad McCain sent:** An FMP database of 15 new caves in Ste. Genevieve Co. Many supplied by Alex Litsch. Great team work; New map of Skylight dome, the cartography was done by Alex Litsch; Upgraded Lincoln Co. Sugar Creek Cave’s location to a GPS location and added a new cave for the county, Little Sugar Creek Cave in same area. Mateo of the MVG supplied the material to Chad; Compiled trip reports from Jonathan Beard, Dan Lamping, McCain and Jim Sherrell for the Berome Moore mapping trip in May, over 3,000 ft of survey. **Mick Sutton sent:** A collection of 140 faunal records from DNR on Devil’s Icebox; Monitoring forms and faunal records for 3 caves visited during the MSS weekend at Onondaga Cave State Park: Bat, Bear and Sewer Caves; Three

reports on Great Scott Cave that were collected from archival Missouri Conservationist and the Underground Leader, newsletter from the School of the Ozarks Troglolithes! – Ken Grush

**Springfield Plateau Grotto (SPG) - May 4<sup>th</sup>**—As part of SPG's public outreach program, Melvin Johnson manned a bat, cave and karst display presentation at the Springfield Conservation Nature Center for the Home School Fair with some 350 participants. **May 5<sup>th</sup>**—Melvin manned a bat, cave and karst display presentation in Lockwood, Missouri for the Grace the Earth-Mercy Hospital Safety Day Event for some 180 private and public elementary students. **May 6<sup>th</sup>**—Melvin held a bat, cave and karst display presentation in the Logan-Rogersville Fire Station #1 for the community-wide Free Fishing Day Event with some 100 participants. Also —Jon Beard checked Fitzpatrick Cave (Christian Co) for effects from the recent near-record level flooding of the James River. Speleothems were more-or-less clean except the "bathtub ring" near the nearly consistent ceiling in the cave. He noted biology of 7 cave salamanders, 2 bristly cave crayfish, 2 pickerel frogs and about 100 camel crickets. Noticeably missing were bats—zero. **May 7<sup>th</sup>**—Jon Beard visiting the Main Room, Armpit Avenue, Third Level, Formation Loop, 100-foot Room, Northwest Passage and Split Knee Passage in Breakdown Cave (Christian Co) for flood damage. There were minor amounts of silt residue on speleothems, which Jon took photos of. Other than two larval salamanders in Sally's Pond, no biology was noted. Again, zero bats. **May 15<sup>th</sup>**—Alicia and Jon Beard hunted unsuccessfully for a cave lead in Ozark County as part of the Ozark big-eared bat project. A return visit is planned. If indeed in the bluff, it would be a new cave for the database. **May 15<sup>th</sup> – 23<sup>rd</sup>**—Jim Cooley directed construction of two cupola-style Mine shaft enclosures at the privately owned Valles Mines property for the Missouri Department of Natural Resources' Land Reclamation Program. SPG's Max White and Cheryl Paulson, along with Alex Litsch, George Bilbrey, Joe Williams and six Americorps helpers, provided labor and welding expertise. Cavers are currently surveying a large underground mine complex there that involves a large hypogene cave system. **May 18<sup>th</sup>**—Dillon Freiburger assisted Jon Beard in the completion of the survey of Moonshine Hole Cave (Barry Co) as part of CRF projects to map and monitor caves on Mark Twain National Forest. As is typical of many caves in the Pierson Formation, it has a tall genetic dome structure in its furthest reaches. **May 20<sup>th</sup>**—Dillon Freiburger surveyed in Lower East Passage in Fitton Cave (AR) as part of CRF survey in Buffalo National River. With Dillon were Kate Mckalip, Kyle Kapella and Marty Brown. The most difficult part of the trip was getting to the cave. Rain the night before had both surface creeks along the hike to and from the cave running swiftly about three feet deep. **May 21<sup>st</sup>**—The MSS meeting was held in the Ballroom of the Missouri Caverns section of Onondaga Cave. SPG members in attendance were Max White, Cheryl Paulson, Bonnie and Bill Heim and Jon Beard. The MCKC meeting was held the previous evening outside of the Onondaga Cave entrance building. Bonnie and Bill and Jon attended that meeting. Those camping over the weekend camped above the cave in a grassy area. **May 23<sup>rd</sup>**—Brandon Van Dalsem and Treavor Bussard did some photography in Ash Grove Cave (Greene Co), one of the larger caves in the county. **May 24<sup>th</sup>**—Brandon Van Dalsem, Treavor Bussard and Brandon's friend Aaron Rigsby and did some additional photography in Ash Grove Cave (Greene Co) as well as Breakdown Cave (Christian Co). **May 27<sup>th</sup>- 28<sup>th</sup>**—As part of the Berome Moore Cave (Perry Co) weekend, Jon Beard sketched 705 feet in upstream Formation Passage assisted by Windy City Grotto members Phil Goldman and Cindy Manley. All crews collectively surveyed more than 3,000 feet. Thanks to all who organized the weekend and participated.- Max White

**Middle Mississippi Valley Grotto (MMV). May 7<sup>th</sup> – 10<sup>th</sup>** - Don Dunham participated in activities at Lava Beds National Monument. Included were two days of overland survey connecting the cave entrances in the North Castle Flow. Also, two days of mapping several caves in the South Castle Caves area. Two known caves were connected. Mapped caves were Vespertine, "Let's Get a Taco" and "Stay Out of Malibu". **May 7<sup>th</sup>, May 14<sup>th</sup> & May 21<sup>st</sup>** - Jim Cooley, Alex Leisch and 2 other volunteers did work at Valles Mines including surface ridge walking. No notes on specific activities was included in the report. **May 13<sup>th</sup>** - Jason Hanewinkel and Ioana Herte visited Matthiessen State Park in Illinois. The park consists of beautiful trails of various difficulties, waterfalls and is about three hours from St. Louis. They visited a small cave during the trip. **May 28<sup>th</sup> – 29<sup>th</sup>** - Dane Driskill, Laura Belarbi, Dan Lamping and Jeremy Wehy (sp?) surveyed in Upper Stream Annex of Berome Moore Cave. They reported trash flowing in such as shoe strings, bottles, plastic, etc. Also on that weekend, Laura and Jeremy did a bio-inventory in Mainstream of Berome Moore. **June ??** - Jim Sherrell, Adam Marty and Larry

Albein continued the ongoing investigation of Valles Mines. No other specifics were provided. **June 21<sup>st</sup>** - Laura Belarbi, Dane Driskill, Janice Curliss and Martha Bartol visited El Malpais Bat Cave during the NSS Convention. The cave was visited at dusk and the bats coming out of the cave looked like a tornado surrounded by lava rock.—Doug Leer

### **MSS OFFICERS.**

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**Research committee** - Oz Hawksley, Dwight Weaver, and David Ashley.

**Historian**-Dwight Weaver – 38 Village Marina Rd., Eldon, MO 65026. 573-365-1171 dwightweaver@charter.net

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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](http://rockartmo.com)

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

**Annual Fees were due at the Winter meeting. Those still owing their fees: CCC, KCAG, and SEMO. Please pay these to the Treasurer, Don Dunham, asap!**

**CALENDAR:**

**Aug. 19<sup>th</sup> – 20<sup>th</sup> – Berome Moore survey weekend.** Contact: Jim Sherrell – jimsherrell@sbcglobal.net and Chad McCain – chads93gt@hotmail.com

**Sept. 1<sup>st</sup> – Next MSS Liaison deadline.**

**Sept. 17<sup>th</sup> – Fall MSS Meeting,** 10 am, Berome Moore Cave, Perryville. There will be work-related activities for the weekend.

**Sept. 22<sup>nd</sup> – 24<sup>th</sup> – Fall MVOR,** Green’s Canoe Rental, 724 W. Hwy 8, Steelville, MO Theme: Dirtbag MVOR.

**Announcements:**

**Survey weekend** at MCKC-owned Berome Moore Cave in Perryville, MO. Goal is to resurvey the known cave and survey everything that was never done before. Recently all of the historic and original Berome notes were scanned and digitized and I am going through the process of adding these survey notes into the management software for the project. As it stands there is 60,141.3’ of survey entered, over 7.7 miles of that is new since the MCKC purchased the cave. That is 11.39 miles total. I still have a ridiculous amount of surveys to enter from the 60’s, 70’s and 80’s, but the goal is to get a real time length on the cave. The next survey weekend will be Aug. 19<sup>th</sup> – 20<sup>th</sup>, the same day as the Solar Eclipse. If you wish to help that weekend, you will need to email Jim Sherrell as he is in charge of the property that weekend due to the eclipse and a head count must be managed due to the special weekend. But also let me know so I can manage teams and objectives. – Chad McCain (Taken from Mocaves)

**Congratulations to Sue Hagan** for receiving the NSS Fellow Award at the 2017 NSS Convention in New Mexico. – submitted by Lois Walsh.

**Wanted:** I am looking for a copy of **MISSOURI MINING HERITAGE GUIDE** by John R. Park of Stonerose Pub. Co. Jerry Vineyard recommended this publication on mocaves in March, 2005. I need to buy a copy for my research. I am willing to pay a reasonable price. – Jim Sherrell – [jimsherrell@sbcglobal.net](mailto:jimsherrell@sbcglobal.net)

**Special Memorial issue** on Jerry Vineyard will be out shortly. Watch for it!

**First Class**

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