

April 1991

Intercom, Volume 27, No. 2, March-April 1991

Lowell Burkhead

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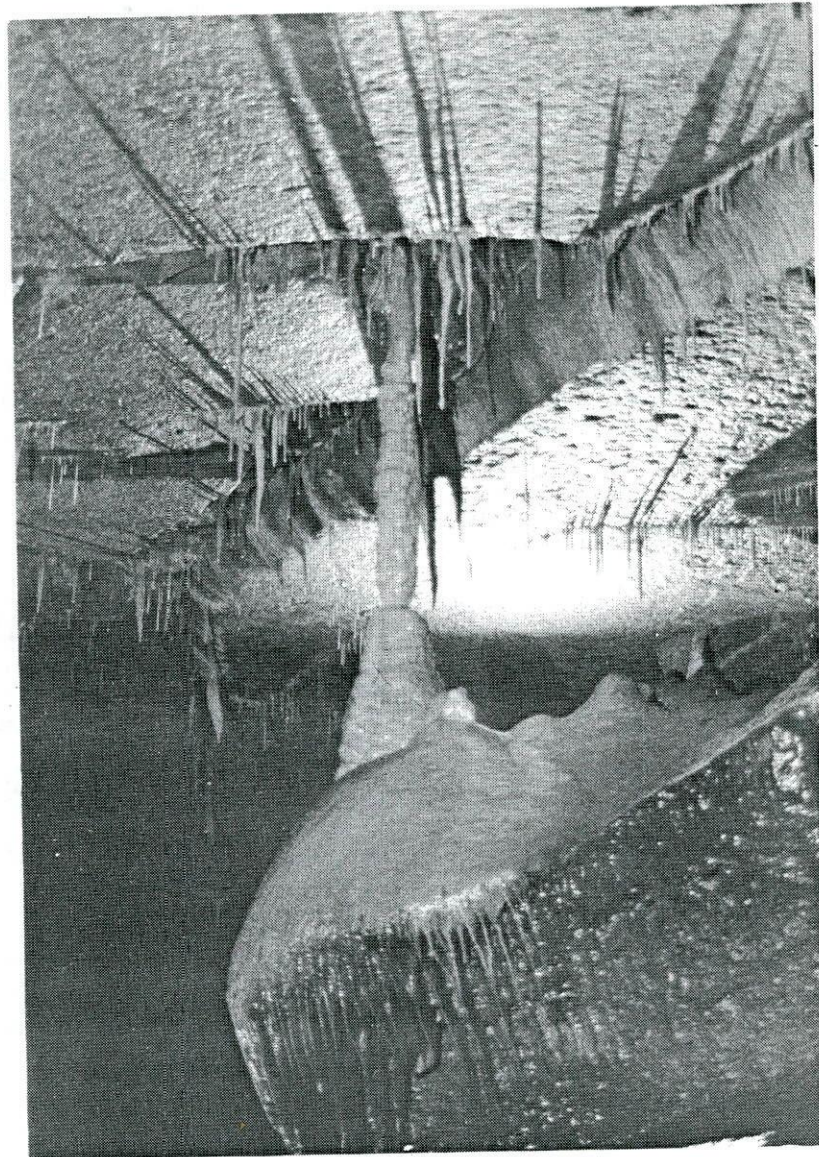
Burkhead, Lowell, "Intercom, Volume 27, No. 2, March-April 1991" (1991). *Intercom*. 87.
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Published Semi-spasmodically By

THE IOWA GROTTO
National Speleological Society



Volume XXVII Issue 2

March — April 1991

March - April 1991

Volume 27 No 2

The INTERCOM is published semi-spasmodically by the Iowa Grotto, P.O. Box 228, Iowa City, Iowa 52240. The Iowa Grotto is affiliated with the National Speleological Society, Cave Avenue, Huntsville, AL 35810, and is dedicated to the exploration and study of caves. We will exchange publications with other organizations with the same dedication. Membership to the Iowa Grotto is \$12.00 per year and INTERCOM subscriptions only, are \$10.00 per year. Reproduction of material appearing in the INTERCOM by other caving organizations is encouraged as long as credit is given the author and the INTERCOM and a copy of the publication is sent to the Iowa Grotto.

ATTENTION! Material for the next issue of the INTERCOM is due early so the issue can be printed in time to pass out at the grotto picnic. If you can get the May and June material to me by July 5, we can save the grotto a slug of mailing costs and have our INTERCOMs early as well. As usual, send material for publication to:

Editor and Typist: Lowell Burkhead 319-854-6650
2611 Alderman Rd.
Springville, IA 52336

INTERCOM Staff: Logistics and Legwork, Mike Lace
Photo Processing: Jim Hannon

The Iowa Grotto meets at 7:30 p.m. on the fourth Wednesday of each month in room 125 of Trowbridge Hall on the campus of the University of Iowa in Iowa City, Iowa.

Air Force Rescue Coordination Center
NCRC
1-800-851-3051

Iowa County Emergency Management
1-319-642-3151

This number calls out Iowa Grotto rescue personnel.

Cover: Formation in downstream breakdown room, Coldwater Cave. November 1990
Photo by Scott Dankof



IOWA GROTTO
National Speleological Society
P. O. Box 228
Iowa City, Iowa 52240

Chairman - - - - - Mike Lace
Vice-Chairman - - - - - Marc Ohms
Secretary-Treasurer - - Jay Wells

Volume Twenty-Seven

Issue Two

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IOWA GROTTO MEETING MINUTES

Regular meeting March 27, 1991

The meeting was called to order at 7:38 p.m. by Chairman Mike Lace with ten members present. The minutes of the previous meeting were read and approved as read. There was no Treasurer's report. TRIP REPORTS: Marc Ohms reported on a survey trip to Down and Around Cave in Dubuque with Mike Lace and Pat Schenck. Marc also reported on a digging lead near South Dubuque. Mike Lace reported on a survey trip in the Ewing Diggings area. About 600 feet was surveyed out of the approximately 700 feet in one of the old mines. People on the trip included Marc Ohms, Pat Schenck, Mike Lace, Doug Schmuecker, Stacey Cyphert, and Jay Wells. Marc Ohms reported on a survey and digging trip near the Pig Trough in Coldwater Cave. A low, wide passage was surveyed by Marc Ohms, Mike Lace, and Stacey Cyphert netting about 90 feet. Jay Wells reported on a trip with Larry Welch to the end of Cascade Passage in Coldwater Cave. Piglet Passage was dug back open and partially surveyed. Mike Bounk reported that he and Steve Moon repaired the stream level recorder in Coldwater Cave. Changes to the recorder included the removal of the old pipe being replaced by a mesh screen, and the removal of the visual pointer on the cable. The flood last summer in the cave was estimated at about five feet above normal stream level. Greg McCarty reported on a dive trip in Dutton's Cave. He also reported on a trip with John Fuhrman to the Big Spring area. They checked a lead across the Turkey River from Big Spring. Greg reported on a trip by the Serria Club into Skunk Cave followed by some lead checking near the Kendallville area and a quarry near Decorah to check Hole Shirt Cave. FUTURE TRIPS: NCRC Rescue Seminar, April 6 - 7. Geological Survey trip to the Mines Of Spain, April 20. Annual spring MVOR, April 27 - 28. A trip to the Floyd County caves, April 27. A trip to Wonder Cave, May 19. OLD BUSINESS: There was a discussion on the closing of Coldwater Cave and ways to avoid poor landowner relations. Mike Bounk read a statement voicing his objection to the handling of the speleothem dating project by other grotto members. Greg McCarty pointed out the need for grotto election ballots to be sent out earlier. More INTERCOM back issues have been published and are on sale. The printing cost for the Cave Index will be 5¢ per page or about \$30 per copy. NEW BUSINESS: NSS slide shows are available. One will be shown at the April meeting. A possible mock cave rescue in Dubuque County could be set up in June. The meeting was adjourned at 9:16 p.m.

Regular meeting April 24, 1991

The meeting was called to order at 7:40 p.m. by Chairman Mike Lace with 21 members present. The minutes of the previous meeting were read and after a discussion, were approved as read. The Treasurer's report listed \$434.92 in the club treasury. TRIP REPORTS: Greg McCarty reported on a lead checking trip in the Strawberry Point area. He also reported on entering a crevice along Hwy. 13. Mike Lace reported on the NCRC (National Cave Rescue Commission) seminar at Spring Valley, Minnesota. Other grotto members at the seminar were Wanda Flatland, Warren Netherton, Matt Kramer, Jay Wells, and Dave Gerboth. He also reported on a trip with Bryan Bain, Stacey Cyphert, Scott Dankof, Marc Ohms, Doug Schmuecker, Jay Wells, and two Missouri cavers to Fitton Cave in Arkansas and Breakdown and Fitzpatrick Caves in Missouri. Marc Ohms reported on a survey trip with Mike Lace at the end of Cascade Passage in Coldwater Cave. Stacey Cyphert reported on a survey trip with Larry Welch and Jay Wells. They surveyed to the sump section of Piglet Passage in Coldwater Cave. Mike Bounk reported that he, Jeff Dorale, and Steve Moon replaced the speleothem samples that were collected for the cave dating research in Coldwater Cave. Steve Moon later showed slides of the samples before and after they were replaced. Doug Schmuecker reported on a cave diving trip in Florida with Mike Nelson and Dave and Sue Ecklund. Marc Ohms reported on a trip with Pat Schenck to Bogus Cave and Indian Bluff Cave. Marc also reported that Glenwood Cave is sumped out. FUTURE TRIPS: NSS Convention, Floyd County, Wonder Cave, Dubuque mock cave rescue, beginner's climbing class, Jones County trip, and the grotto picnic in Dubuque County. Detailed information will be in the HOT-LINE. OLD BUSINESS: The grotto picnic was discussed. The Cave Index is near completion. Print-

ing should be finalized soon. There was discussion on the retrieval and updating of some of the cave registers that were installed several years ago. NEW BUSINESS: Trip reports for March and April must be received by the Editor by May 14. Greg McCarty reported on raccoon round worm that may be in the area. It causes blindness and death. The south part of Gouldsberg Park will be closed for some rework of the park area. The meeting was adjourned at 9:02 p.m. The meeting was followed by several slide presentations.

DESPERATELY NEEDED

ARTICLES AND TRIP REPORTS FOR THIS PUBLICATION!! As you can plainly see, promises don't quite fill these pages. There is barely over a page in this issue written by members other than grotto officers. Comments from the April grotto meeting included, "There sure has been a lot of caving lately". Shouldn't we be able to see that by reading the INTERCOM? The INTERCOM is what has been holding the club together, so please folks, let's support it with a little material!

the Editor

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COLDWATER CAVE - STEVENS RECORDER

Coldwater Cave, Winneshiek County, Iowa
March 16, 1990
Mike Bounk and Steve Moon

by Steve Moon

Mike and I started from Coralville at 6:30 a.m. and were at the cave by about 10:30 a.m. We proceeded to work on the Stevens stream level and rainfall recorder. Mike knew what was needed to repair the unit, and we were soon off to Harmany to purchase a small spring. Once back at the shed, we lowered a bucket of tools and a roll of chicken wire to the platform and started working on the stilling well. The section of stovepipe was removed and the top of the well measured for a wire mesh top which was soon fabricated and put in place. The float was attached to the wire and the chicken wire was fastened down with more wire. We also took note of the stream level on the staff gage in the cave so that we could set the recorder accordingly. We exited and hauled the rest of the chicken wire, the tools, and the stovepipe up the shaft. Once again on the surface, we lubricated, adjusted the small rails on which the mechanisms ride, and generally made sure all was in working order. We started back to Coralville at about 4:00 p.m.

A FEW LOOSE ENDS

Coldwater Cave's Cascade Passage, Winneshiek County, Iowa
March 16, 1991
Mike Lace, Stacey Cyphert, and Marc Ohms

by Mike Lace

Due to recent rain and the treat of even more run-off that day, we decided to mop up a few loose ends in the Cascade Passage survey. Larry Welch and Jay Wells were headed to the surveyed end of Cascade to extend the survey while the rest of us stopped at a side lead downstream of where the Pig Trough enters the passage. We had noted on an earlier trip that this particular lead drained a fair amount of water - moreso than we remembered it draining in the past.

We crawled out of Cascade's 40 F bath water and began digging at the mud bank that blocked entry to the visibly going crawlway beyond. We hoped that we could dig open the passage enough to survey through it and into the dome that probably

fed the small stream emptying into Cascade. Unfortunately, this meant laying in cold, fast-moving water while trying to dig with one flailing arm in front of you. The work was slow.

The three of us took turns, digging and getting cold, before realizing that we couldn't open the passage enough, but one or two more trips should be able to do that. We moved up Cascade to survey a couple of side passages while we still had some body heat left. The first passage was a loop on the right-hand side. After locating the chips at both ends, we surveyed the sixty feet of "not so dry" crawlway and moved on to the next side passage.

We stopped briefly near the end of Cascade where Larry and Jay had left their packs and marvelled at the flowstone covered walls of Rolling Hills Dome before backtracking to our survey goal. The stream that forms Cascade can be followed upstream over a small waterfall that cuts a narrow channel through the bedrock. The passage leads to a stoop-height section that abruptly ends in two impassable slots where the water emerges. One of the slots was pouring out muddy brown water; this had to be from Jay and Larry surveying in this same water farther upstream. They didn't enter the stream passage here, of course, but through the dry bypass that passes Rolling Hills Dome.

We surveyed approximately 25 feet of this side passage and exited it to find the other guys returning from their work upstream. We exited the cave as one party, noting several rimstone dams in Cascade that couldn't have been there on our way in and I personally scolded them with my shins once or twice. We made it out, even though Marc did his best to point out just how old the rest of us really are by setting a killer pace. Most of us crawled out of the shaft after a nine hour trip with a few new bruises and a sense of accomplishment from the day's work.

BYOB

Fitton Cave, Arkansas

March 29, 1991

by Scott Dankof
 Scott Dankof, Mike Lace, Stacey Cyphert, Marc Ohms, Jay Wells, Doug Schmucker, Bryan Bain, Steve Thompson, and Ron Phillips
 In, 10:30 a.m. Out, 6:30 p.m.

Thursday started out early as Mike, Marc, Stacey, and I met Jay and Doug at the Iowa - Missouri border. We were headed for Fitton Cave, located in the scenic Ozarks of Northwestern Arkansas. When we arrived at the camping area, the Buffalo River was up from recent rains. I couldn't talk Marc into going across the low-water bridge first so we decided to camp back up the road.

The next morning Steve and Ron arrived. They said they had crossed the river twice already and not to be such weiners. Since he had a girly 2-wheel drive pickup, we know our manly 4-wheel drive vehicles would make it. We had woke up to rain and it was turning to snow as we hiked up the road to the cave entrance.

After opening the gate, we entered the cave and climbed down a breakdown slope into a large entrance passage. We followed the right-hand wall down over more breakdown to a stoopway which leads toward a short twelve foot chimney known as the manhole. Doug rigged an etrier which made a good handline for going down and coming back up. After everyone climbed to the bottom of the Manhole, we took off down a canyon passage which leads to a large room known as the "T" Junction. From there we followed the East Passage to the Out Room, an immense breakdown chamber that hints of things to come.

We ate our lunches here and took a short rest, then we climbed up a breakdown

slope and came to a dry upper level crawl. Gypsum formations covered the ceiling and walls of this passage. The next large room marked the end of our explorations from last June. At this point a short crawl of about 50 feet long led to another large room. This eventually led to a climb up more breakdown into what I believe is the largest room in the cave, the Tennouri Room. This is a bowl-shaped room littered with large breakdown. Ceiling height ranges anywhere from 20 feet high around the edges to near 100 feet high in the center.

We climbed up the opposite side into a smaller continuation of the room, then down into a much lower wet passage known as the Helectite Passage. We took a lot of photos here. There were stalactites, a club-like formation, soda straws up to two feet long, and of course, helectites. Everywhere you'd look, there was something beautiful to photograph. After blinding each other with flashes, we packed up and started the long trek out. The way back was spent taking pictures in many of the large rooms and gypsum passages.

We exited the cave just as it was turning dark. Thanks to everyone who helped with my photo gear; it was greatly appreciated. I'm in the process of buying pelican boxes to replace my blankity-blank ammo boxes. I figure the next trip should be about 20 pounds lighter.

LOW IMPACT MISSOURI CAVING

Fitzpatrick Cave and Breakdown Cave, Greene County, Missouri
March 30, 1991

by Mike Lace

Bryan Bain, Steve Thompson, Ron Phillips, Scott Dankof, Stacey Cyphert, Jay Wells, Marc Ohms, and Mike Lace.

We arrived in Springfield to regroup with Steve Thompson and head over to a couple of friendly Missouri caves. Fitzpatrick Cave offers multiple entrances in the mostly walking entry section. Steve managed to show us just how slippery the mud was with a graceful display while Jay volunteered to test just how deep one of the puddles was. Several photos were taken of the many decorations before we moved on to Breakdown Cave.

Access to Breakdown Cave is managed by one of the local caving organizations and Bryan had picked up the key on the way to the caves. The entrance is about part of the way up a small hill and can't be more than 18 inches high at its mouth. There were several moans, mostly from me, about the small entrance but eventually I squirmed in and past the gate to the treat of well-decorated walking passage.

It's fortunate that the cave was gated due to the profuse and delicate formations along the passage. Obviously, some vandalism had occurred prior to the gate installation but restoration efforts were also very apparent.

Again, photos were taken (Scott & Jay couldn't resist) but I ran into a little trouble while operating one of Scott's bar flash units; always remember, point the flash away from your face for maximum effect! We toyed with the idea of seeing some of the smaller passageways in this 1 mile + cave but Fitton Cave had punished us enough the day before so we called it a day, exiting for some pizza and local entertainment.

ONE LAST STOP

Ha Ha Tonka State Park, Missouri

March 31, 1991

Marc Ohms, Mike Lace, Stacey Cyphert, and Scott Dankof

by Marc Ohms

It was the last day of our cave trip and we wanted to see more. We were short on time and strength from the previous two days of caving, so we wanted an easy trip. The night before was spent in Springfield, MO, where we were entertained at one of the area's fine establishments.

Leaving Springfield, we headed in the direction of home stopping at Ha Ha Tonka State Park five miles outside of Camdenton, MO. The park is very pretty. There is an old castle that overlooks a large valley with 200 foot bluffs. Below is Ha Ha Tonka Spring; a trail leads right down to the spring. It is the 12th largest spring in the state with a flow of 48 million gallons per day. On the trail to the spring is Whispering Dell, a very large and very deep collapse sinkhole. Within the sinkhole is a bluff containing two shelter-type caves.

Next we went to see the Natural Bridge which is remnants of an old cave system. It is about 40 feet wide, 10-15 feet high, and 40 feet long. Our last stop in the park was River Cave. This cave is located in a sinkhole and has a fairly good-sized entrance which is gated. The cave was closed due to it being a nursery site for the grey bat. It is closed the spring and summer months. Sadly, this ended our caving trip. The entire trip was nothing but fun, the caves were awesome, and the cavers acted as best of friends. When are we going again?

NCRC RESCUE PRACTICE WEEKEND

Spring Valley Caverns, Filmore County, Minnesota

April 5-5, 1991

Warren Netherton, Mike Lace, Wanda Flatland, and Jay Wells

by Jay Wells

The seminar started early Saturday morning in Spring Valley. There were approximately 58+ people. There were cavers from several states, Filmore County Deputies, ambulance and medical personnel from around the region, and park personnel from the state park which included Iowa Grotto member Warren Netherton. The morning and early afternoon were spent in the classroom. Subjects included Rescue Management, Logistics, Media, Equipment, Communication, and several medical subjects. Saturday afternoon and evening were spent at the park at the entrance to Mystery Cave. We were divided up into teams and had to treat, package, and transport a member of the team through an obstacle course. Each member had a chance to be a group leader, or medical officer, or a victim. Saturday night they sat everyone down to brief us on the mock cave rescue the next day. The rules were simple, sometime between then and sometime Sunday, there would be a mock rescue. That was it! It was the group's jobs to organize everything from that point on.

The group decided to put the Filmore County Sheriff's Office in charge of the rescue, the call out, and getting the medical equipment to the site. The location was not given and the sheriff would be in charge of any situation in the county anyway. This only made the most sense. The group broke up to go their separate ways until called out.

The call came in the following morning. Three cavers were late getting back. A small search party was formed from area cavers to search for the location of the cave they went to. Later, the call out was initiated to go to Spring Valley Caverns. The mock was, three cavers were blasting in one of the caves when something happened and

two got hurt. A complete command structure was set up with Warren as the Incident Commander. As people showed up, they were checked in and broken up into different groups. Wanda and I were put on the medical group while Mike was involved in the initial search. The rest of the day was spent treating the patients and evacuating them from the cave. The cave is about a mile in size and at one time we had 46 people underground. This may seem like too many but at certain times we could have used more help. As it turned out there were only two victims hurt in the cave.

I would highly recommend this seminar to all that may ever be exposed to a cave rescue situation. The command structure may seem unimportant until you realize the amount of effort and team work involved in a situation. Each person must fulfill their assigned duties. Those in charge must lead and all others must follow. The entire rescue depends on each member of the team, both top side and below ground. When the weekend was over each person left with a mixed feeling of accomplishment and a need to learn more.

CAVE PRESSURE MEASUREMENT PROJECT

Coldwater Cave, Winneshiek County, Iowa
April 20, 1991

by Mike Geraldts

On Saturday, April 20, 1991, I installed a manometer at Coldwater Cave. The manometer was mounted on the bulletin board over the six inch diameter well pipe after consultation with Pete DeVries about the best location for the instrument. I placed the manometer's measurement tube into the well pipe and sealed the top of the pipe. The reference tube for the manometer was opened to the air in the cave entrance shed.

This manometer will measure the difference between the air pressure in the cave and the air pressure in the building. The instrument is zeroed at 1.00 inch of water and can measure pressures up to +1.00 or -1.00 inch of water. The sensitivity of the manometer is 1/100 of an inch of water.

The Cave Pressure Measurement Project is directed by Dr. Warren C. "Doc" Lewis. The Meriam Manometer was loaned to the project by Frank Reid. I am assisting the project as an equipment technician.

The project needs many cave air pressure readings to determine the nature of the air pressure changes in Coldwater Cave. If you are there at Coldwater Cave, please take a moment to stop and record the reading on the manometer. There are instructions posted next to the instrument to check the "zero" setting. Please read and follow the instructions. When we have several months of readings of the cave's air pressure, we will add more equipment to refine our understanding of Coldwater Cave's environment.

SPRING MVOR

Pulaski County, Missouri
April 26-28, 1991
Dave Schwendinger and Jay Wells

by Jay Wells

We arrived at Waynesville early Friday evening and drove to Roubidoux Spring. There is a noticeable difference from previous trips there. We then drove to the MVOR campground north of town. After checking in we set up camp. There were three fairly large caves (by Iowa standards) on the camp site. We packed our caving gear and set out to check Tunnel Cave. Much of Tunnel Cave was as I remem-

bered it from a previous trip. The entrance and the main passage are very large. You have to do some climbing on ledges to stay out of the streambed. The main passage has very little mud. As we were walking through the cave we noticed a strange sight. Up about 16 feet along the ceiling on a one inch wide ledge was a four foot long snake. It looked out of place there and when we came back, it was gone. We later started going through some of the crawlways that mazed their way coming out a different opening than normal.

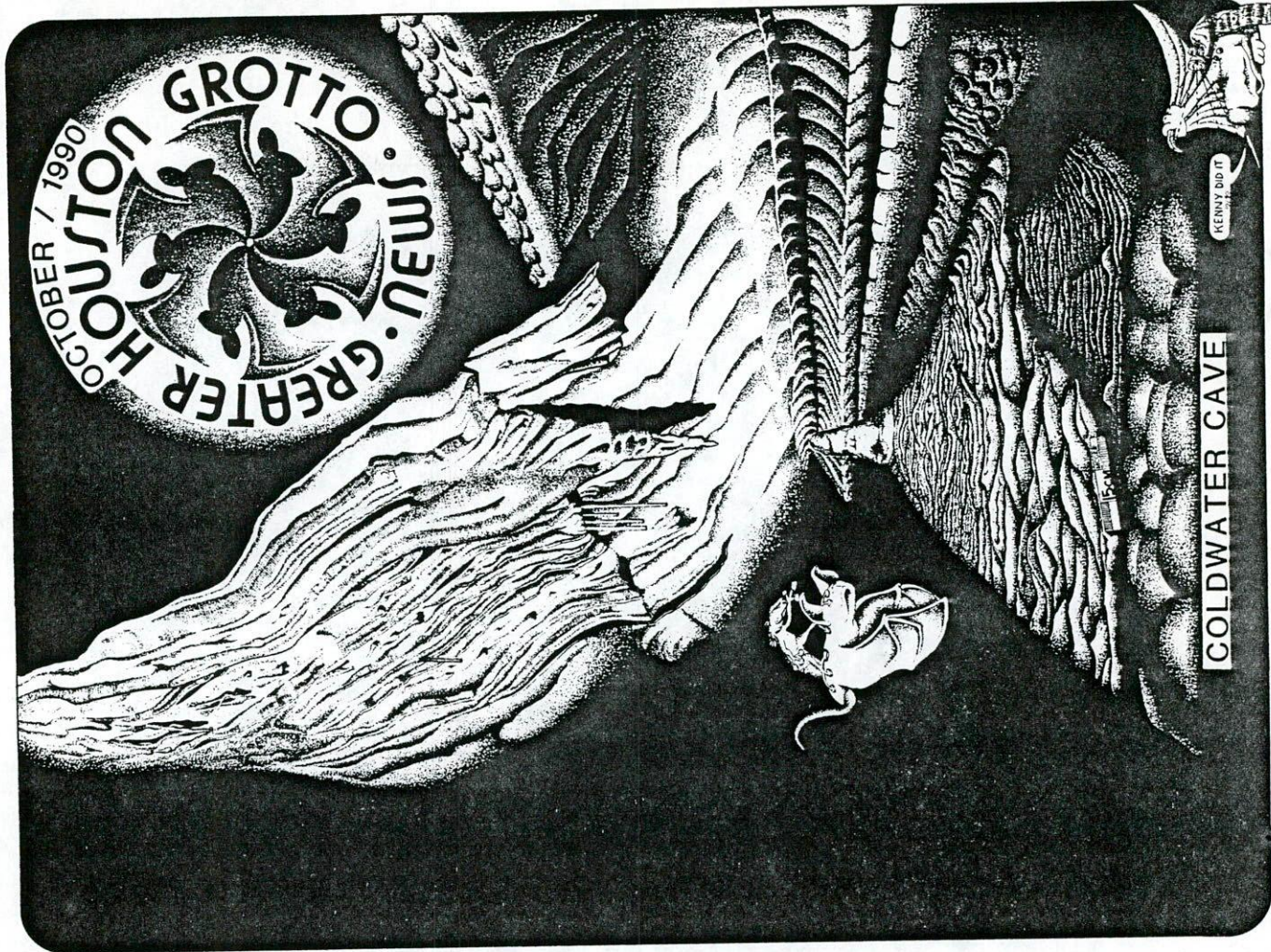
The next day we signed up for a guided trip into Skag Cave. Skag Cave is a large passage cave about a mile in length. One feature that you notice is the newly installed gate. It is a ten to fifteen foot diameter metal gate in the shape of a spider's web complete with a large metal spider. This cave has an abundance of formations and is a fun mazy cave. At the Graffiti Room, some of the party decided to rest while six of us pushed on into tighter mud passages. Dave and I felt right at home. We went on, crossing the stream several times until we came to the end room. This room is about 100 feet long and 30 feet wide and had formations everywhere you looked. It is one of the most beautiful rooms I have ever been in. When we returned to the rest of the group we were completely covered with mud. We exited the cave, headed back to camp, and cleaned up. The rest of Saturday evening we spent cooking and resting. That evening MVOR had the door prize drawings. There were about 450 people signed up and lots of nice prizes. Dave won a rope bag and I won a T-shirt.

Sunday morning we started early and went into Bat Cave. There are three openings. We went into the largest one first. The passage is also very large. It didn't take Dave long to find some tight little crawlways which we took. After exiting this part of the cave we went into one of the other openings. The large walking passage seems like it goes on and on. On our return trip we took the much smaller canyon passages out. Once we were out we cooked breakfast and packed up camp. Bryan Bain met up with us and we all headed to Indian Cave for our final trip this weekend. It was my turn to take grief from the others as I (an electric caver) was outnumbered by the other two (carbide cavers). Indian Cave is also a fairly large cave, about a mile in length. Iowa cavers must not be satisfied with just seeing the large passages as we headed straight toward the smaller maze type passages. They were a lot of fun and we all had a great time at this annual spring MVOR. After exiting we headed back to Roubidoux Spring for one final look before we said good-bye to Bryan and headed home.

I checked with the Waynesville Police Department into what had happened to Roubidoux Spring. This spring is a very large underwater cave that in past years has been SCUBA dived by many. Apparently the road bridge over the top of it had collapsed into the opening of the cave. At present, the opening is plugged, with uncertainty as to the future of whether it will be cleaned out for future diving.

COLDWATER IN TEXAS

The artworks on the following page are by Kenny McGee of Champaign, Illinois. They were inspired by Coldwater Cave and are covers for the indicated Texas pubs. The Texas Caver cover will be submitted to the 1991 NSS Graphic Art Salon. These excellent renderings of Iowa's premier cave are reprinted here with the permission of the artist. Thanks Kenny.



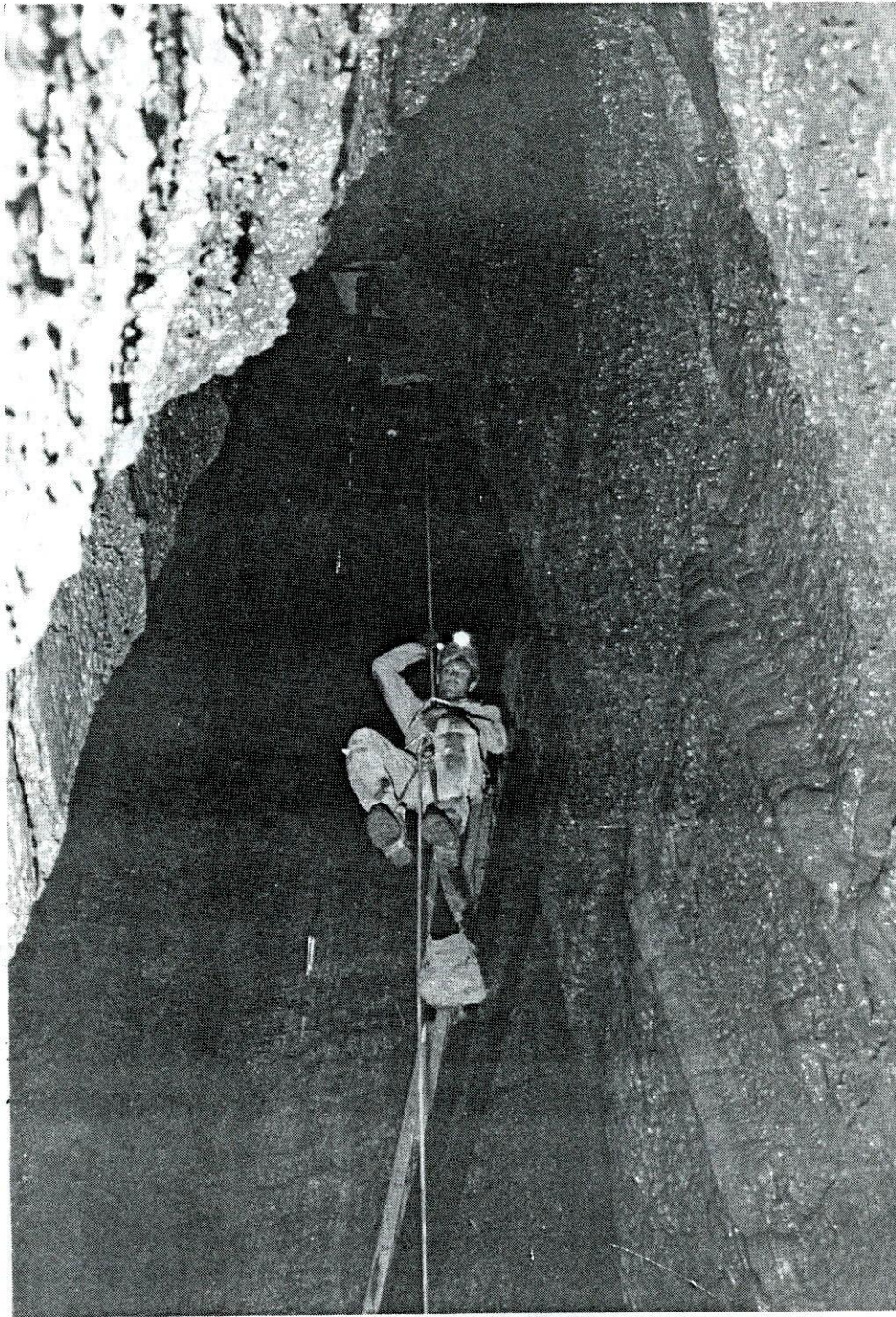
COLDWATER CAVE

KENNY DID IT

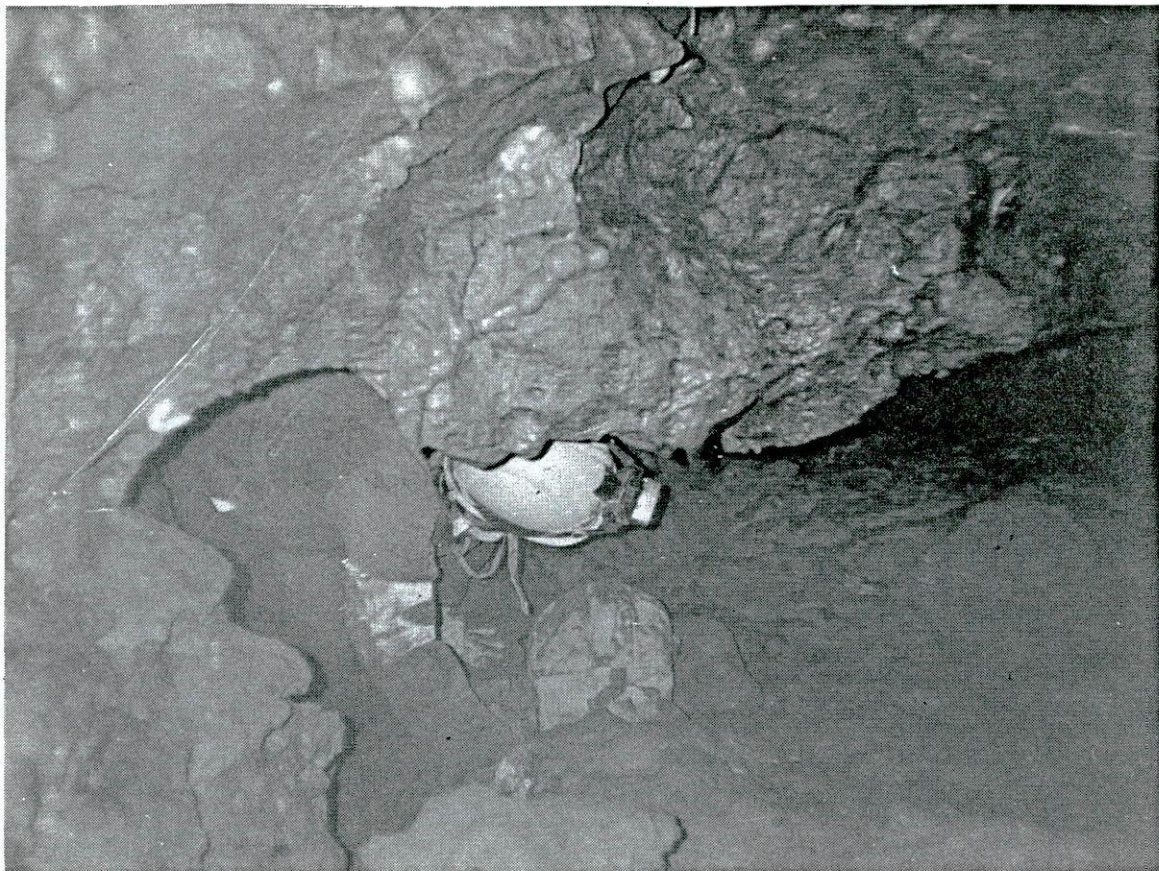


THE TEXAS CAVER
April 1991

OLDWATER
CAVE



Stacey Cyphert ascending the 50 foot pit in Wonder Cave,
Winneshiek County, Iowa. August 1990.
Photo by Scott Dankof



Gary Engh crawls through Tourist's Delight Cave, Jackson County, Iowa
Photo by Beth Welch



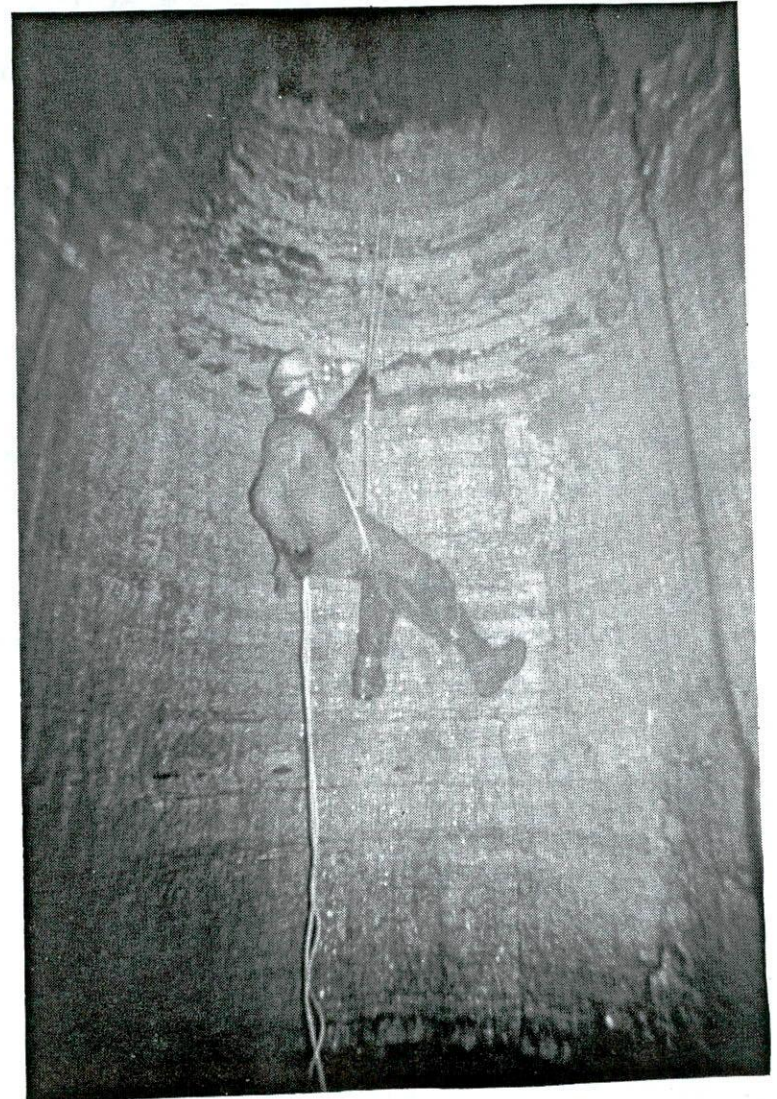
Gypsum formations in Fitton Cave, Arkansas. Photo by Scott Dankof
See trip report, this issue.

These are two of the four photos sent in by Norb Kox to go with his trip report, "Coldwater Virgins", February 1987. See this rare INTERCOM entry by the Wisconsin Caver editor in Volume 23, No 2, page 11.

Scott Dankof coming out of the Tecumseh Passage, Coldwater Cave, Iowa, back to the main stream.
Photo by Norbert H. Kox

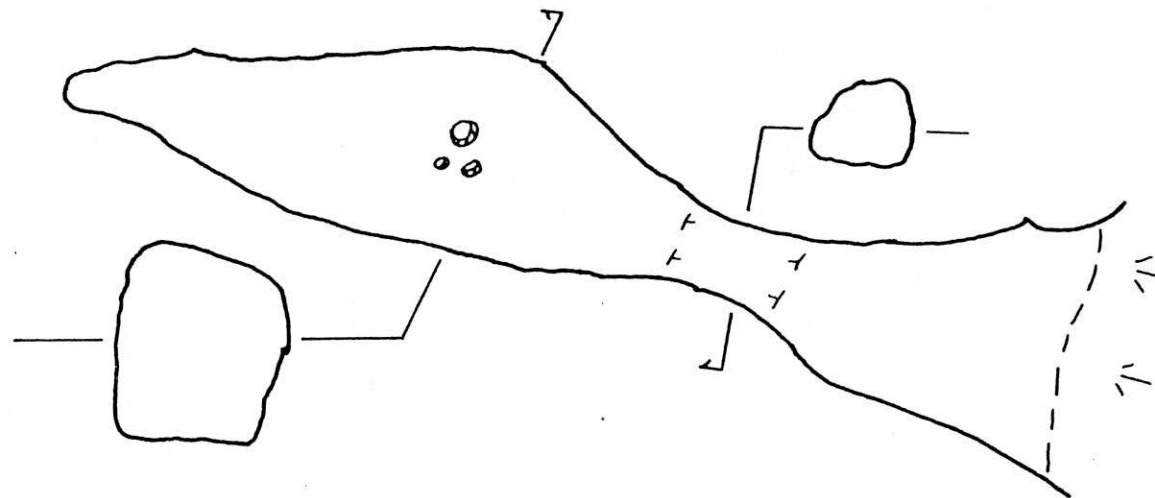
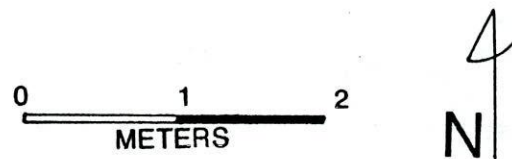


Norb Kox rappels down from balcony reached by "the unique self-climbing ladder, Coldwater Cave.
Photo by Randy Kwiatkowski



MUMBLE CAVE DUBUQUE COUNTY, IOWA

COMPASS AND TAPE SURVEY
OHMS AND SCHENCK



MARC OHMS

