

DEAD DOG DISPATCH

TRI-STATE CRYPTO OF THE NSS



PAXTONS CAVE, ALLEGHENY CO, VA

VOL. #23

ISS. #3

MAR

2008

#35



(FULL FAMILY-must be NSS)(Voting rights if over 16)
(FAMILY ASSOCIATE-non NSS)(Voting over 16)

Payment of DUES can be made at MONTHLY MEETINGS
or can be SENT TO:

The **DEAD DOG DISPATCH** is a publication of the **TRI-STATE GROTTTO** of the NSS. The OPINIONS expressed herein are not necessarily those of the EDITOR, the GROTTTO, nor the NSS. Material that is unsigned may be attributed to the EDITOR. Material contained within this PUBLICATION may be reproduced by the NSS and its GROTTOS, provided that PROPER CREDIT is given to the **DEAD DOG DISPATCH** and the AUTHOR.

CHUCK STANLEY, TREASURER
TRI-STATE GROTTTO of the NSS
56 LACK MEMORIAL BLVD.
GERRARDSTOWN, WV 25420
304-229-0583

E-MAIL: CaveSpiderHog@wmconnect.com

For MEMBERSHIP INFORMATION contact:

The **DEAD DOG DISPATCH** is a NON-PROFIT monthly newsletter published by the **TRI-STATE GROTTTO of the NSS**. SUBSCRIPTION RATES are \$12.00 per year to SUBSCRIBING MEMBERS, and **FREE** with FULL and ASSOCIATE MEMBERSHIPS to the **TRI-STATE GROTTTO**.

BOB BENNETT, MEMBERSHIP CHAIR
TRI-STATE GROTTTO of the NSS
464 HUCKLEBERRY DR.
GERRARDSTOWN, WV 25420-0211
304-579-4304
E-MAIL: gimpycaver@comcast.net

All material for inclusion in the **DEAD DOG DISPATCH** must be sent to the EDITOR NO LATER THAN THE **25TH** OF EACH MONTH.

*** The Picture of the dogtooth spar was taken by Ehren Gieske in Paxtons Cave, Allegheny Co, VA..

TRI-STATE GROTTTO OFFICERS

CHAIR ----- Bernie Wootten ----- 301-254-1055
V-CHAIR ----- Bob Bennett ----- 304-579-4304
TREASURER--- Chuck Stanley ----- 304-229-0583
SECRETARY ---- John DiCarlo ----- 301-432-2323
Member At Large --- Jerry Bowen --- 301-790-0496
Membership Chair --- Bob Bennett ---304-579-4304
Newsletter Editor --- Bob Bennett ----304-579-4304
Conservation Chair--Danny Cumbo --304-283-9631
P R Chair ----- JC Fisher ----- 304-258-4974
Safety Chair ---Jonathan Peterson ----717-788-1096
Program Dir -----
Funding ----- Paulette Bennett -----304-579-4304
Equip. Chair ----Bob Bennett ----- 304-579-4304

TRI-STATE GROTTTO MEMBERSHIP DUES ARE AS
FOLLOWS:

FULL MEMBERSHIP ----- \$10.00 (Must be NSS)
ASSOCIATE MEMBERSHIP--- \$12.00 (Non-NSS)
SUBSCRIBING MEMBERSHIP- \$12.00 (Non-Voting)
FAMILY MEMBERSHIP ----- \$2.00/FAMILY

**** Don't forget, the **JONES QUARRY BOOKLET** is **STILL** available at a reasonable price **\$6.00**. If you don't have it in your library, then YOU MUST GET IT. It is PACKED with info about the QUARRY, the CAVE, the INDIAN BONES, and of course the **MAP!** If you are interested in purchasing the BOOKLET, contact **BOB BENNETT** [304-579-4304(H) or 304-725-3481 ext 491(W)](E-MAIL at gimpycaver@comcast.net or **JUDY FISHER** [304-258-4974(H) or 304-258-1822(W)](E-MAIL at jcf@access.mountain.net)

WE NEED EVERYONE TO KEEP THINKING ABOUT
VOLUNTEERING FOR A COUPLE OF OPEN
POSITIONS. WE STILL NEED PEOPLE FOR THE
FOLLOWING POSITIONS:
PROGRAM CHAIR
PLEASE GIVE IT SOME THOUGHT. WE NEED YOUR
SUPPORT!



CAVE EVENTS

2008

MAR 1 ----- Pens & Tytoona – see Sean & Bernie
MAR 9 ----- DAYLIGHT SAVING TIME STARTS
 MAR 12 ----- Grotto Meeting – 7PM
 MAR 16 ----- PALM SUNDAY
MAR 17 ----- ST PATRICK'S DAY
MAR 20 ----- VERNAL EQUINOX
 MAR 21-22 --- Grand Caverns Conservation Weekend
MAR 21 ----- GOOD FRIDAY
MAR 23 ----- EASTER
 APR 1 ----- ALL FOOL'S DAY
 APR 9 ----- Grotto Meeting 7PM
 APR 15 ----- TAX DAY
 APR 22 ----- EARTH DAY
 APR 25 ----- ARBOR DAY
 APR 26 ----- Helectite Cave Cleanup, Pocahontas Co,
 WV – Contact Linda Tracy - 304-636-8328
 MAY 5 ----- CINCO de MAYO
MAY 11 ----- MOTHER'S DAY
 MAY 14 ----- Grotto Meeting 7PM
 MAY 17 ----- ARMED FORCES DAY
 MAY 22 ----- DAY of PRAYER
 MAY 23-26 – KY SPELEOFEST – Lone Star Preserve
 MAY 23-26 – Bubble Weekend
MAY 26 ----- MEMORIAL DAY
 MAY 31 ----- Donaldson Cave Cleanup – 11AM
JUN 5-8 ----- SERA / VAR – Bristol, TN
 JUN 11 ----- Grotto Meeting – 7PM
 JUN 14 ----- FLAG DAY
JUN 15 ----- FATHER'S DAY
 JUN 20 ----- WV DAY
JUN 20 ----- SUMMER SOLSTICE
JUL 4 ----- INDEPENDENCE DAY
 JUL 9 ----- Grotto Meeting – 7PM
 JUL 12 ----- GROTTTO PICNIC
 JUL 17-20 --- Karst-O-Rama – Great Saltpetre Cave
 Preserve
 JUL 27 ----- PARENT'S DAY
AUG 11-15 – NSS Convention, Lake City, FL
 AUG 13 ----- Grotto Meeting – 7PM
AUG 28-31 – OTR
AUG 30 ----- DOO DAH
AUG 30 ----- POLYESTER POWER HOUR
SEP 1 ----- OTR
SEP 1 ----- LABOR DAY
 SEP 7 ----- GRANDPARENT'S DAY
 SEP 10 ----- Grotto Meeting – 7PM
SEP 19-21 --- FALL VAR – COVINGTON, VA
SEP 11 ----- PATRIOT'S DAY (9/11)
SEP 22 ----- AUTUMN EQUINOX
 OCT 8 ----- Grotto Meeting – 7PM
OCT 13 ----- COLUMBUS DAY

OCT 31 ----- ALL HALLOWS EVE
 NOV 4 ----- ELECTION DAY
NOV 11 ----- VETERAN'S DAY
 NOV 12 ----- Grotto Meeting – 7PM – Elections
NOV 21 ----- THANKSGIVING DAY
NOV 22 ----- BLACK FRIDAY
 DEC 10 ----- Wrap gifts for Red Cross – 6PM at
 Martinsburg Mall
 DEC 13 ----- GROTTTO CHRISTMAS PARTY
 DEC 14 ----- CAVING
DEC 21 ----- WINTER SOLSTICE
DEC 24 ----- CHRISTMAS EVE
DEC 25 ----- CHRISTMAS DAY
DEC 31 ----- NEW YEAR'S EVE

2009

JUL 19-26 --- NSS Convention, Kerryville, TX

2010

JUL 12-17 ----- NSS Convention, Essex Jcnctn, VT

***** **CAVE BUCKS** *****

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

Month of Feb ----- **\$16.00**

TOTAL TO DATE: --- \$4156.00

GROTTTO LINKS

Tri-State Grotto website ----- www.wobey.net/TSG
 VAR website ----- www.varegion.org
 NSS website ----- www.caves.org
 NSS Convention 2008 ----- www.nss2008.com/
 OTR Website ----- www.otr.org
 MAR Website ----- www.caves.org/region/mar/
 WVCC ----- www.wvcc.net
 Andy Celmer's Web Site ---- www.wobey.net/TSG/Andy/
 Art Jr's Web Site ----- <http://photos.arthanson.net/>
 Bob's Web Site ----- www.wobey.net/TSG/Bob/
 Earl Suitor's Web Site -----
 ----- <http://mysite.verizon.net/wvcaver/>
 Ehren Gieske's Web Site --- www.wobey.net/TSG/Ehren
 Jerry's Cave Web Site ----- www.wobey.net/TSG/Jerry/

Vitas's Web Site ----- www.wobey.net/TSG/Vitas/
 Tina Blaik's Web Site ----- www.kayakdream.com/
 David Hackley's Web Site -----
 ---- <http://s180.photobucket.com/albums/x307/clearsig/>
 Todd Robert's Web Site -----
 -- http://s63.photobucket.com/albums/h143/Todd_05/
 Bob Gulden's Web Page - www.caverbob.com/home.htm
 Nikki Fox's Web Site -----
 ----- <http://s231.photobucket.com/albums/ee8/cavefox1/>
 Rock Climbing Knots Friction -----
 -- www.chockstone.org/TechTips/prusik.htm#Bachman
 Tri-State Grotto MySpace -----
 ----- www.myspace.com/tristategrotto
 Animated Knots by Grog ----- www.animatedknots.com/
 White Nose Syndrome -----
<http://www.caves.org/grotto/dcg/wns-notice-to-cavers.pdf>



MONTH OF MARCH

Gloria Chepko, Peter Cooper, Pearce
 Cooper, Ehren Gieske, Bob Gulden,
 Allison Hazen, Mary Jane Hughs, Joyce
 McClanathan, Kevin Mulligan, Jeff Noe,
 Ken Tayman, Sean Wootten

HAPPY BIRTHDAY

Tri-State Grotto

Feb 13, 2008

Meeting

Bernie Wootten started the meeting at 7 pm.

Chuck Stanley gave the treasurers report.
 Moved, seconded and passed.

It was moved, seconded and passed to send
 \$150.00 to help 8riverssafe.

We will meet at Crystal Grottoes Caverns on
 March 8, 2008 at 10:00 am. We will be working
 on cleaning formations and other things.

New business

Because of the **White Nose Bat Syndrome**, we
 talked about all of the closed caves. A lot were
 listed.

John shared a letter from the Red Cross.

John passed out a Caving **Trip Report Form** to
 everyone. It was updated from one he had back
 in the 1980's.

Tina told us about a trip to **Higginbotham Cave**
 #1, 2, 6, and a virgin cave.

Jeff talked about a trip to **Lost World Caverns**,
 Grapevine entrance. They dropped in, and then
 explored it on the way out.

Trips:

Feb 27, 2008 - **Wednesday Night Caving**

We had 17 people present for the meeting.

Tri-State Grotto collected \$16 for **Cave Bucks**.

The meeting was adjourned at 8:00 pm.

Submitted by
John P. Di Carlo, Jr.
Secretary
Tri-State Grotto



Bat Flight - Aerodynamics - Science - Natalie
 Angier - New York Times

**Flapping Past Gravity's Pull, Bat Has a
 Vortex at Its Wings**

By NATALIE ANGIER

Published: March 4, 2008

The power to fly is so handy that it has arisen multiple times during the evolution of life, but it does not come cheap. Pterodactyls, birds and bats had to cede two of their four legs to wingdom, while we humans have sacrificed many a Swiss Army knife, manicure kit, oversized bottle of shampoo and the occasional pair of novelty fuzzy handcuffs, all for the privilege of flipping through SkyMall magazine.

F.T. Muijres, Lund University

A Pallas' long-tongued bat in flight. Whatever the phylogeny of origin, all would-be buoyant beings face the same fundamental challenge: how to generate enough of an upward force, or lift, to overcome the dour downward force of weight. As it turns out, there are only so many ways to snub the relentless tug that gravity exerts on a flying object's mass, and researchers who study animal aerodynamics are finding that radically different species dip into the same flight bag of tricks.

In the latest issue of the journal *Science*, Anders Hedenstrom of Lund University in Sweden and his colleagues report that when a nectar-eating bat hovers in midair to sip liquid sugar, the mammal's sharp-edged flexible wings generate the same sort of precision whirlwind lift detected recently in studies of insect flight. As the bat curls its membranous flappers in and out three times per second, a series of tiny cyclones form at the leading edge of each wing. The result? Even as gravity plucks at its heels, the bat's homegrown tornadoes suck it back up toward Oz.

Other researchers have demonstrated that insects like honeybees and dragonflies rely on such leading-edge vortices to supply the major part of their lift, particularly during a hover or slow cruise. The new work shows that considerably heavier animals than insects can rally the power of quick-changing or "unsteady" aerodynamic tactics in their quest to stay high. The star of the current study, the Pallas's long-tongued bat of Latin America, weighs maybe 12 grams, 120

times greater than the average bee. The researchers predict that hummingbirds will also be shown to have twister-tipped wings. Behind the bat's powers is that trademark Halloween layout. As Dr. Hedenstrom explains, a bat can use its skeletal finger bones and the muscle fibers in its taut wing membrane to precisely control the wing's curvature and angle of attack from one moment to the next. His co-author, Geoff R. Spedding of the University of Southern California, points out that the entire surface of the bat wing is covered with pressure sensors that relay information to the bat's brain about what the air is up to and how best to shape it. "We don't yet understand how the whole system works," Dr. Spedding said, "but it ends up generating a beautiful, orderly airflow over the wing that is just what we'd dial up if we could dial up flow."

Even nature, however, cannot dial up orderly cyclones for everybody. Hummingbirds and nectar-feeding bats are on the petite end of their kind, and Dr. Hedenstrom doubts larger birds and bats will be found capable of generating vortical lift; bigger bodies demand bigger wings, and the bigger the wings, the more drag they create, and the harder it gets to keep them whirring at high speed. But Dr. Hedenstrom said the sort of in-depth aerodynamic analysis featured in the report had yet to be done on more than a handful of animal pilots. The researchers had the bats flying in a wind tunnel toward tubes of sugary fluid, while air fogged with particle tracers flew by, lasers periodically lighted up the gloom and cameras captured images of the airflow now rendered analyzable by the shifting particulate matrix. The work is extremely time-consuming, Dr. Hedenstrom said, and when it comes to birds, "many of them really don't like flying in a wind tunnel."

Nevertheless, researchers know that, for most flying animals, conventional "steady state" aerodynamic principles apply, the same ones that can lift a 200-ton jumbo jet into the air. As a jet barrels down a runway, the air above its airfoiled wings moves faster than the air below, creating a difference in air pressure that pulls and pushes

the plane up. Bird wings are feathered airfoils, and to start the air streaming and to create a pressure differential, most perched birds need only give their wings a few flaps. “It’s a really interesting question, Why do animals beat their wings?” Dr. Spedding said. “One reason is, they don’t have wheels. They don’t have parts that rotate.” No wheels, no propellers, no jet engines to give them thrust. Nature never did get into the wheel business, he said, but “the flapping-wing thing works pretty well.”

The variants on the flapping-wing thing finesse the art of flying even more. Birds like the albatross that migrate over great distances and spend a lot of gliding have long, skinny and relatively flat wings that give lots of lift with a minimum of drag. “That’s a great design for cruising,” said Bret Tobalske, who studies bird flight at the University of Portland in Oregon. “Human engineers converged on the same idea in designing the glider.” But what’s great for gliding and cruising is less great when it comes to powered takeoffs, landings and rapid maneuvers, and albatrosses, like hang gliders, try to start their flights from a cliff.

On the other end of the spectrum are the galliform birds, the turkeys, pheasants and quail, which live in forested areas and prefer to run for cover. But if a predator stalks them too closely, galliform birds will beat their short, stubby, muscle-bound wings and explode raucously upward in almost vertical flight. “The wing is suitable for really high output, but not for cruising,” Dr. Tobalske said. “It’s great for producing a lot of thrust and lift in a very short time.” Whether with short wings or long, flying is the most energetically expensive form of transportation, and birds do what they can to lower the costs. Raptors seek heat columns called thermals on which they can catch a flapping-free ride. Small birds in midflight tuck in their wings to assume an aerodynamically sleeker form. Airlines skimp on leg room and offer passengers in coach nothing but SkyMall and jet fumes.

(Submitted by Ann Muldoon)



Paxtons



Dogtooth Spar, Paxtons



TRIP REPORTS

Adam Stephen Dig

We met at the Adam Stephen House on Saturday, January 12, 2008. Our workers were Jeff Brandenburg, Keith Hammersla, Rick Barnhart and me, John Di Carlo.

As we set up we found water in the bottom of the tunnel. We took out a lot of buckets of water before we could start on the dirt. We ran the tape measure down and came up with a measurement of 25' 10" deep.



Jeff hauling out some buckets.



Rick bringing a bucket back in

We worked hard before lunch and broke for our meal. Keith had a nice lunch set up for us. We ate and ate, then went back for more. There was lots of food.



Keith digging down in the tunnel



This is how we get the buckets up

After lunch we continued our dig. We dug down and hit a large rock in the floor. We dug beside it and lowered the floor further.

When we finished, we had taken out 67 buckets. Eleven of them were water and 56 were dirt. We ran the tape back down the hole and came up with 27'.

John P. Di Carlo, Jr.
N.S.S.# 25744

The Fire at Crystal Grottoes Caverns

By John Di Carlo

Jerry Downs from Crystal Grottoes Caverns called me Thursday night, December 20, 2007. He told me he had a hell of a fire down at the

Caverns. He asked if the Grotto could help him out.

I sent out an email to Tri-State Grotto members asking for help. I received emails back offering to help at different times. I reported back to the grotto that I would go by on Friday and see how bad it was. You can see the fire yourself at: <http://your4state.com/content/fulltext/?sid=6aac3c77894558607b066a0ded457919&cid=14655>. Below is what I saw when I arrived on Friday. Luckily, no fire or smoke entered the caverns.



I called Sean and Bernie Wootten who had said that they could come down right away. Sean showed up and we started on a pile of burnt beams. I told him if we got back to the Pepsi machine we could get one.



Before



After

Bernie, Christopher, Tyler, Jonathan and Abigail Wootten showed up with food. I don't think Jerry had eaten all day. After eating, Cassie Downs and Bernie started on the burnt pile of lumber out back. When Sean and I finished the pile we were working on, we went to the back pile to help and found that they were just finishing it up.



The pile out back, before



The pile out back, after

The farmer next door came over with a big dump truck. It was as big as an apartment size dumpster. Everything outside went in it. We cleaned up three piles of burnt lumber and debris by dark. That night I sent another email out asking for help. The plan was to muck out the upstairs the next day.

Saturday people started showing up at 9:00. The farmer backed his truck up under the upstairs windows. This made it easier. We hauled things over to the window and threw them out.

The floor was covered with pieces of wet drywall and insulation. Starting at the windows, we shoveled it all out of the windows.



Second floor fire damage

After the floor was cleared, the rest of the furniture went out. This was everything, including the kitchen sink, and the cabinets, refrigerator, stove, commode and shower. Next was the walls and ceiling. When we were done, all that was left was a big room with stone walls. The truck was dumped three times.



**The truck we used for a dumpster
Second floor kitchen**





Second floor, back to the stone walls

Jerry told me he had a problem. How was he going to keep heat in with the door missing and some wall parts burned out? I asked Sean if he had any carpentry skills. He answered yes. Before we knew it, he and Jeff had a door made. They even put it up with the old hinges, cut out a piece for the hole above the door and put it in, and hung a sheet of plastic over a section of the wall that was partially burned out. Now the first floor could be heated.

Crystal Grottoes Caverns provided lunch. Helpers were Sean, Bernie, Christopher, Tyler, Jonathan and Abigail Wootten; Jeff Noe, Jerry Bowen and I, John Di Carlo helped. There were some friends of Jerry Downs there also.



Sean Wootten



Jeff Noe

Afterwards, Jerry Downs took us through the unlit cave. He even let Sean and Jeff do some wild caving in the Western Passage.

That night Jerry Downs and I talked about how to light up the cave. During the day a lot of suggestions had been made. Candles were number one, but too expensive. On day one, a friend of Jerry Downs came by and dropped off a generator saying, "you might need this." Anyway, after looking at the generator, we saw it had a 220 outlet. We wondered if that would be enough to run the cave. I called Jerry Bowen that night and posed the question to him. He thought it just might work. He said he'd come back the next day and try it.



Generator



Christopher and Tyler Wootten

That night I put out a call for the third time for help. Again we had people turn out. Sean, Bernie, Christopher, Tyler, Jonathan and Abigail Wootten, Tina Blaik and daughter, Jerry Bowen and me, John Di Carlo.

Jerry Bowen wired the harness off of his generator onto the wire that feeds the cave. We plugged it into the generator and fired it up. With one light circuit on at a time, it lit up the cave.

The push for Sunday was to get the first floor cleaned up. Things were taken out. The walls were scrubbed. Windows cleaned. The floor was squeegeed over and over. Jerry Downs had a pressure washer and was spraying down the whole inside. When lunchtime came Crystal Grottoes Caverns called out for pizza and drinks.



Mess on the first floor

In three days, the second floor was cleaned back to the stone walls, the first floor was presentable and the caverns had lights again. Jerry was able to reopen, and gave tours the following weekend. Tri-State Grotto volunteered over 250 hours.

Crystal Grottoes Caverns Cleaned Up

March 8, 2008

Tri-State Grotto arrived at Crystal Grottoes Caverns for the first event under our new agreement.

Our muscle power for the day was: Danny Cumbo, John DiCarlo, Ehren Gieske, Jeff Noe, Todd Roberts, Bernie Wootten, Sean Wootten and The Wootten Kids - Christopher, Tyler, Jonathan and Abigail Wootten,

Many areas of green algae were sprayed and cleaned off. We see that it will take more than one application to remove all the green. When we were finished, Jerry Downs said that there was a noticeable difference in the amount of green algae.

We replaced light bulbs in the tunnel-way between the first room and the first intersection. A 300-watt bulb was replaced with a 25watt (equal to a 100W) spiral florescent bulb. Two other 75w spot lights were replaced with florescent spotlights. Three bulbs going out the

back door were replaced with the 25watt (equal to a 100W) florescent bulbs.

Todd started the photo inventory of the cave. It will also give us some before and after photos. We can also track algae growth over time.



The “Worms” before they were washed off

In the passage that intersects with the lake room passage, we were looking at the squiggly worm-looking residue from a time years ago when Jerry had killed off algae. It died, dried up and looked like worms all over the place. It was noticed that it would brush away. We also found that we could blast it off with the spray bottles. Jerry bought a few sections of hose and we ran it down into the cave. With it we sprayed off most of old algae and cleaned a lot of dirt off the formations. This allowed a lot of the white calcite to show through.

Did we break anything? Yes, I broke two light bulbs. The splash from the hose, off the formations, hit the hot light bulbs and popped them.

John DiCarlo
N.S.S. # 25744

Windy Run Park

Sunday, 2/10 Ellie and I joined a group of about 12 led by Ed Devine to 3 caves in Rosslyn of all places! These caves are not listed in Caves of Virginia. They are accessed by Windy Run Park along the Potomac. One cave, the best one, is in sight of the Washington Monument. We filled 1/2 a black trash bag with

beer cans, a couple combs and a large flashlight and we took out a loooooong rubber hose. We all wondered what that may have been used for. One of the 3 caves was named 3 Sisters because of the 3 small islands nearby on the Potomac. Looming high on a bluff is the impressive Georgetown University with its contemporary buildings and gothic cathedral. Critters totaled 3 bats, 2 crickets and some spider nests. While Ed filmed with his camera, Ellie suggested he have music and that it be Ringo Star's "They're gonna put me in the movies...they're gonna make a big star out of me..." Apparently, Tom Tucker told Ed that this area was a favorite stomping ground in his smaller feet years. He regretted missing this trip. Among the group were Tina, Bob Hoke and Pauline, Willy, Eddy, Randy, Hope, Barbara Moss and her husband, Roxanne, and a few others.

LOST WORLD CAVERNS

On Saturday, February 9th, nine people visited Lost World Caverns in Lewisburg, WV for rappelling, climbing, and an exploration of the wild portion of the cave. Terry M. and Todd (?) set up the ropes for the descent and ascent into the Grapevine Entrance. They both rappelled and climbed about three times before heading to Monroe county to drop several more pits. Jeff M., Jonnie T., Carl A., and Todd R. all rappelled into the cave and met Danny C., Carrie C., and Carrie M. waiting at the bottom of the drop.

The remaining group of seven ventured into the cave, exploring each passage and admired the beautiful formations. The guys on the trip took a side passage towards Dead Fish Creek and the Hairy Climb. After regrouping at the Lunchroom, the ladies headed out of the cave, while the guys ventured further back to do the Keyhole and the Birth Canal. After the Birth Canal, the group made their way back out of the wild section and again stopped for more rope work at the Grapevine entrance. After a few more drops and climbs, the group cleaned up and had a great dinner at Carlita's. It was a great trip, with only one small problem, but everyone still had fun.

Jeff Marcum



10/1/07 ----- **BUCKEYE CREEK CAVE** -----
----- **POST HOLE PIT** -----
----- **MC PIT** -----
----- **SALAMANDER SUICIDE PIT** -----
----- **INSPIRED PIT** -----

All Greenbrier Co, WV

Jeff Hajenga, Katie Schneider, Dave Cowan, & Jes ____ - Cave invertebrate collection & inventory work

10/6/07 --- **MINOR REXRODE CAVE**, Pendleton Co, WV -----

Jeff Hajenga, George Dasher, Mark Minton, Yvonne Drome, Harry fair, Miles Drake, Yuri Schwartz, & Ed Saugstad – Mapping trip – 12 hr

12/1-2/07 --- **SHOVELEATER CAVE**, Pendleton Co, WV -----

Terry McClanathan, Rick Lambert, Rick Royer, Mark Stover, Yuri Schwartz, & Victor ____ (a Romanian Caver) – 17 hr survey trip – 2 Ricks & terry surveyed 700' in 3 leads – Teamed with Yuri's team to finish survey – 2 Ricks left & the rest went to rig a new pit – 110' deep for WV's newest 100-footer

2/27/08 ----- **McMahons MILL CAVE**, Washington Co, MD – Terry McClanathan & Corey Hackley – Surveyed another 270' to add to the already surveyed 280' – Total is about 550'

12/22/08 - **SITES CAVE**, Pendleton Co, WV -- Terry McClanathan & Corey Hackley – Corey loved it – Bounced the pit twice – 3-4 hr

12/29-30/08 --- CRF GAP SURVEY, Cumberland Gap, VA -----
Terry McClanathan & 15 others
----- **GAP CAVE**, VA -----

Terry, Scott McCrea, Melody Parton, & Cheryl Pratt – Terry's 2nd trip – 650-700 feet of survey from 2 leads – Area is 2 miles from entrance – Lots of climbing, squeezing – Tiring for a horizontal cave – 14 hr

12/30/08 ---- **DINGLING HOLE**, Hancock Co, TN -----

Terry McClanathan & Bob Alderson -
Something to do before the long 8 hr drive home – 100.2' – No passage at the bottom

1/26/08 --- **DYERS CAVE**, Hardy Co, WV ----

Brent Jefferson (Leader), Damian Alex, Mark, Colton, Tommy, Justin, Christian, Michael, Steven, Tommy, Casey Jones, & Karl Acorda – 4 hr – Saw many ice formations & lots of hibernating bats (some with frozen condensation droplets – Waterfall had very low flow – Exceptional caving experience **(THIS TRIP WAS TAKEN BEFORE THE CAVE WAS CLOSED DUE TO WNS!!!!)**

2/8/08 -- **PORTERS CAVE**, BATH Co, VA ---

Eric Berge & 9 others – Great time – With all the water, the stream in the Borehole was 2' deep – Lower section was flooded out – Had to stay in the ceiling to get any where – 6 hr

2/9/08 ----- **SHOVELEATER CAVE**, Pendleton Co, WV -----

Nikki Fox & Chris Coates, & lots of others – Survey trip – 12 hours – Learned the ins & outs of surveying

2/9/08 -- **CRICKET DEN**, Monroe Co, WV ---

Terry McClanathan & Todd Dishong – Opened not too long ago by Craig & Bob Kirk by digging a trash-filled sink – Contained parallel pits of 71' & 96' – 2 hr

----- **UNNAMED PIT**, Monroe Co, WV -----

Terry & Todd – Recently opened up – 2 short drops – pits of 20' & 70' – Intact bear skeleton at bottom of 70' drop

2/9/08 ----- **LOST WORLD CAVERNS**, Greenbrier Co, WV -----

Jeff M, Jonnie T, Carl A, & Todd R (all rappelled), Danny C, Carrie C, & Carry M (all waiting at bottom of drop) – Terry M set up the ropes – Admired the beautiful formations – Had lunch at Carlita's

2/10/08 ---- 3 CAVES AT ROSSLYN, DC -----

Ellie Florance, Lauren Rexford & 10 others led by Ed Devine – Accessed by Windy Run Park 2/16-17/08 --- **MAMMOTH CAVE, KY** -----
CRF Weekend – Terry McClanathan & 24 others

2/16/08 – Elizabeth Winkler (Leader), Matt Mezydlo (OH), Joyce Hoffmaster (NC), & Terry – 11 hr – resurvey & some survey of virgin passage with 2 short pits
2/17/08 – Wd Klauser (IA) (Leader), Matt Mezydlo, & Terry – 7 hours mop-up survey in passages off of the Historic Section – Closed to tours while lights were being repaired

2/24/08 ----- **HARPERS FERRY CAVERNS,**
Jefferson Co, WV -----
Ehren Gieske & Corey Hackley – Slipped into spot in back where is some dry river passage – started digging – Corey got in to his waist – Could still hear rocks rolling – We'll be back

3/3/08 ----- **KENNY SIMMONS CAVE,**
Pocahontas Co, WV -----
Todd Roberts, Danny Cumbo, Ehren Gieske, & 6 others – photo trip

3/8/08 ----- **CRYSTAL GROTTOES**
CAVERN, Washington Co, MD -----
Sean, Bernie, Christopher, Tyler, Jonathan, & Abigail Wootten, Ehren Gieske, Danny Cumbo, John DiCarlo, Jeff Noe, Todd Roberts, – Cleanup

3/8-9/08 ----- **SHOVELEATER CAVE, Pend-**
leton Co, WV -----
GVKS Work Weekend – Terry McClanathan & others

3/8/08 – Mark Minton, Brian Masney, Yvonne Drome, & terry – 16 hr exploration & survey trip

3/9/08 ----- **FLASHLIGHT PIT, Pendleton**
Co, WV -----
John Harman, Nikki Green, David Riggs, Bob Alderson, & Terry – 'New-to-Terry shallow pit found by John Harman a couple of years ago in GV – 39'



SCOUTS AT DYERS CAVE



SPAR POOL IN PAXTONS



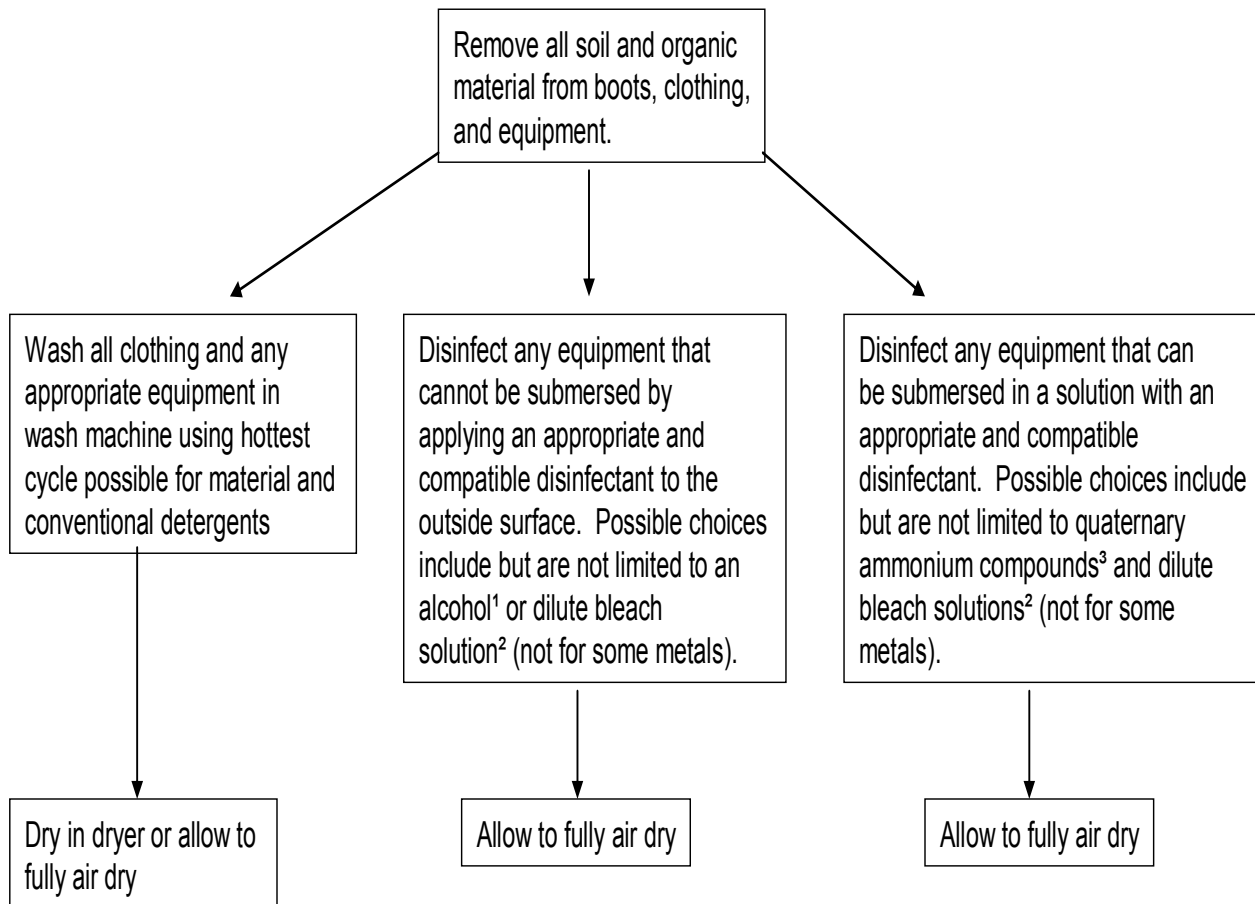
WATER IN BLUE STONE MINE

DISINFECTION PROTOCOL for CAVERS

The main goal of this discussion is to put in place reasonable practices that reduce the transfer of infectious agents, which potentially affect bats, from one cave to another cave.

Any gear including outer clothing should not be used in multiple caves in the same day unless the cleaning and disinfection recommended below can be performed. Companion animals should be kept out of caves. A cave should only be entered with clothing, boots, and equipment that have been fully cleaned with the protocol below and rinsed prior to entry to remove disinfectant residue. Upon exiting a cave all clothing, boots, and equipment should be placed in a sealed plastic bag or container to be cleaned and disinfected off site.

The first step is to remove all soil and organic material from equipment, clothing, and boots using repeated rinses with water. This is especially important as organic material can inactivate many cleaning and disinfectant agents.



It should be noted that product guidelines should be consulted for compatibility before using any disinfectant on specific equipment.

Boots need to be fully scrubbed and rinsed so that all soil and organic material is removed. The soles of the boots can then be disinfected with an appropriate disinfectant which include but are not limited to quaternary ammonium compounds³ and dilute bleach solutions² (not for some metals).

Ropes and harnesses: Caution should be taken when considering disinfectant products for ropes and harnesses so that performance is not affected. Some manufacturers suggest using water with a maximum temperature not to exceed 40°C for rinsing and washing cycles and then disinfection by soaking in quaternary ammonium compounds³ diluted in water not exceeding 20°C. Ropes should be allowed to fully dry after a disinfectant is used. Consult specific manufacturer's recommendations for more details.

Footnotes:

¹Alcohol: A 70% or greater isopropyl alcohol is readily available and a good choice

²Bleach solutions: These products can be corrosive to some metals and irritating to skin. Consult manufacturers' guidelines for appropriate use. Bleach solutions (5.25% sodium hypochlorite) to be used for disinfectants are diluted in the range from 1:100 (1 part bleach in 100 parts water which supplies approximately 500 ppm available chlorine) to 1:10 (1 part bleach in 10 parts water which supplies approximately 5000 ppm) depending on the surface to be disinfected. The 1:100 dilution is appropriate for smooth pre-cleaned surfaces whereas the 1:10 dilution is appropriate for porous surfaces which are difficult to pre-clean.

³Quaternary ammonium compounds: Specific choices include but are not limited to Sparquat 256 and the antibacterial form of Formula 409®.

Disclaimer: Use of trade names does not in any way signify endorsement of a particular product.

Useful References and websites:

<http://www.cfsph.iastate.edu/BRM/resources/Disinfectants/CharacteristicsSelectedDisinfectants.pdf>

<http://www.cfsph.iastate.edu/BRM/resources/disinfectants/Disinfection101Feb2005.pdf>

<http://www.fws.gov/>

http://protectyourwaters.org/prevention/prevention_generic.php

<http://www.westdenvertu.org/NZMS/waderbootinfo.htm>

Merchant, D.F. 2003. Life on a line. Published online at draftlight.net/lifeonline





SAVIN CALENDAR

MARCH 9TH - APRIL 19TH



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Mar 9 DAYLIGHT SAVING TIME STARTS	Mar 10	Mar 11	Mar 12  Grotto Meeting 7pm	Mar 13	Mar 14	Mar 15
Mar 16 PALM SUNDAY	Mar 17  ST PATRICK'S DAY	Mar 18	Mar 19	Mar 20  EQUINOX	Mar 21 Grand Caverns Conservation Weekend GOOD FRIDAY	Mar 22 Grand Caverns Conservation Weekend
Mar 23  EASTER	Mar 24	Mar 25	Mar 26	Mar 27	Mar 28	Mar 29
Mar 30	Mar 31	Apr 1 ALL FOOLS DAY	Apr 2	Apr 3	Apr 4	Apr 5
Apr 6	Apr 7	Apr 8	Apr 9  Grotto Meeting 7PM	Apr 10	Apr 11	Apr 12
Apr 13	Apr 14	Apr 15 TAX DAY	Apr 16	Apr 17	Apr 18	Apr 19

DEAD DOG DISPATCH



POOR FARM

- 1- FIRE & CLEANUP AT CRYSTAL GROTTOES
- 2- DISINFECTANT PROTOCOL
- 3- CRYSTAL GROTTOES PROJECT

DEAD DOG DISPATCH

TRI-STATE GROTTO OF THE NSS
BOB BENNETT, EDITOR
464 HUCKLEBERRY DR
GERRARDSTOWN, WV 25420-0344
304-579-4304
gimpycaver@comcast.net



TO:

