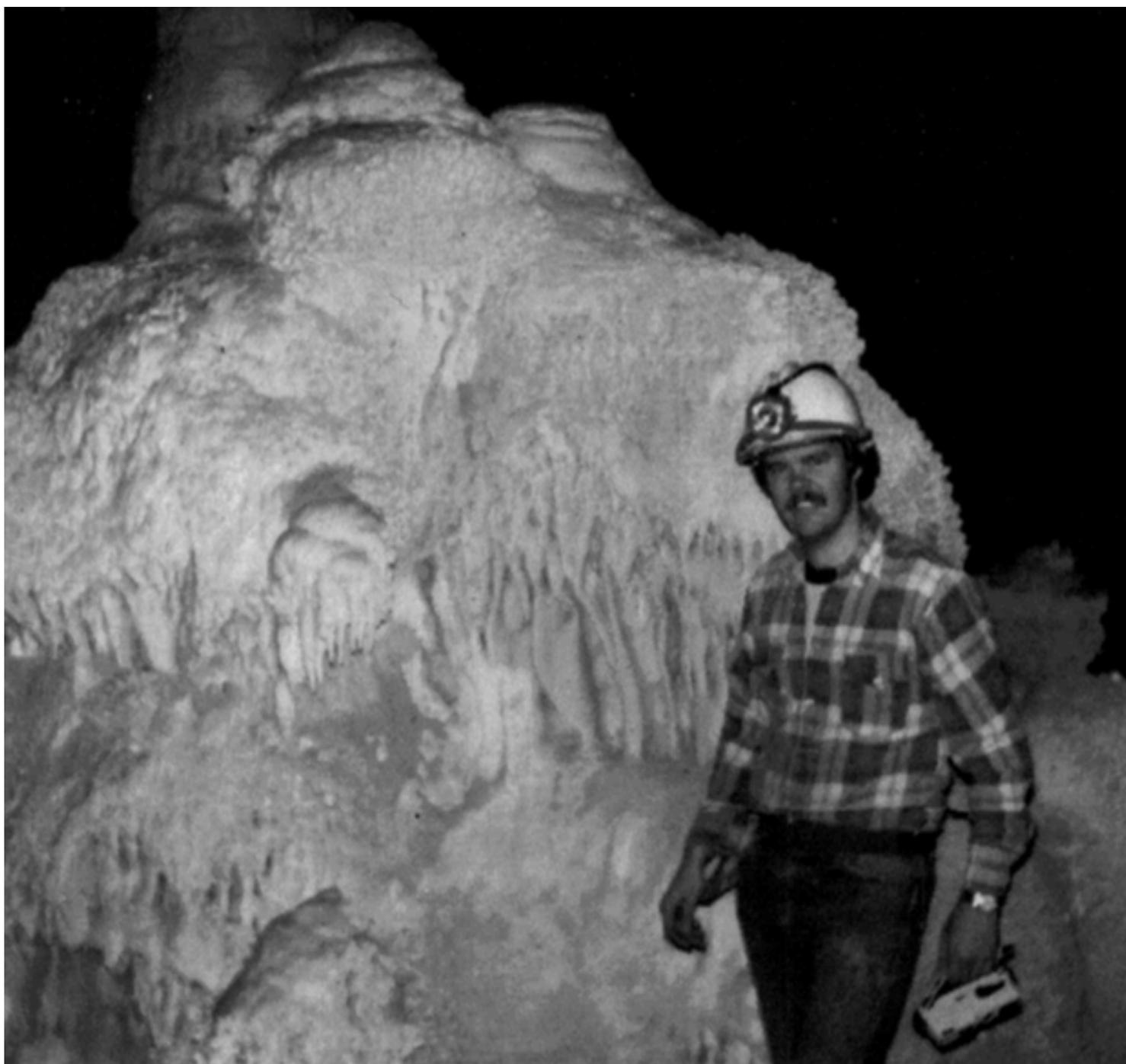
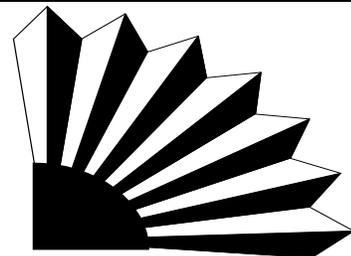
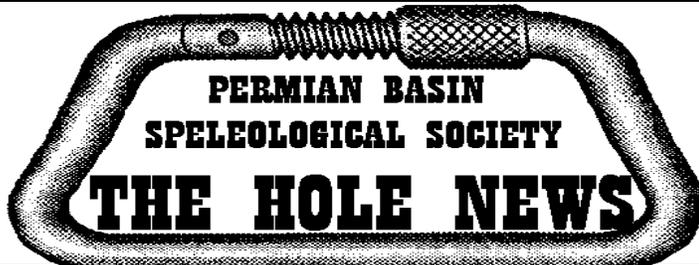
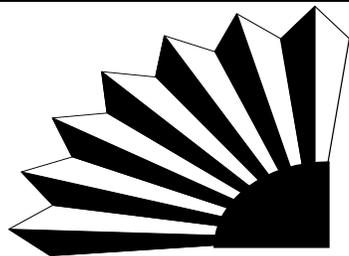


THE HOLE NEWS

JULY 1995





July 1995

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Volume 11 Number 7

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"The Hole News" is the monthly publication of the Permian Basin Speleological Society. Articles and cartoons maybe reproduced by cave oriented publications that exchange newsletters with PBSS, as long as proper credit is given to the author. Items for this newsletter can be sent to the Chief Editor, "The Hole News", c/o Bill Bentley, 400 Eastwood Drive, Midland, Texas 79703-5308. Regular membership dues are only \$10.00 and includes one voting right, associate membership is \$ 5.00 and does not include a newsletter. Dues should be sent to PBSS Treasurer /Secretary c/o Walter Feaster, 4307 Harvard, Midland, Texas 79703. If you're interested in caving or even if you think you might like to try it, the contact Noel Pando at (915)-523-9294. Or if you are not from this area and some how through circumstances beyond you're control or ours found a copy of "The Hole News" then you should contact the National Speleological Society at 2813 Cave Avenue, Huntsville Alabama, 35810-4431.

Happy Caving

Next Meeting: PBSS

The next official meeting of the Permian Basin Speleological Society will be on Tuesday July 11th, 1995 at 7:00 PM in the back meeting room at Murry's Delicatessen which is located at 3211 West Wadley in Midland, Texas. If you need directions or more information then call our official contact person Walter Feaster @ 915-699-7049. The meeting starts at 7:00 PM or thereabouts and eating and caver style socializing usually begins at 6:30 PM and is optional. Topic of discussion will be the upcoming PBSS and CCCP trips. See ya there!



Surfing the internet! "Cave Locations!" Courtesy of Prodigy and Chuck Anderle

Date: 27 Apr 1995 From: "John Gookin" john_gookin@nols.edu

Subject: - posting cave locations

We have a cave named "The Party Cave" here in Sinks Canyon, WY. It is easy to find. It has a fair amount of broken glass in it, and a lot of graffiti. It recently got some new Native American gang graffiti in it. It's location is well known. It isn't gated. We consider it the local "sacrifice cave." One KM away from The Party Cave is "Boulder Choke Cave". It's entrance is naturally well disguised. We also have a gate inside it. The cave is in pristine shape. 3 KM away is "Rat Turd Cave" which is way up a steep hill. I can only find the entrance roughly every third time try to go there. It is also in pristine shape, except for a few arrows scratched in it.

See Story on Cave Locations continued on Page 3.....



Future Cave Trips: Also other events from PBSS and other grottos.

July 8, 1995 Dry Cave Survey Project contact: Pat Helton @ 3517 77th Drive, Lubbock, Texas 79423.

July 17th-21st, 1995 NSS Convention, Blacksburg, Virginia, contact: Carol Tideman @ 410-727-2497.

July 22nd-23rd, 1995 CCCP if there is an interest contact: Chuck Anderle @ 915-685-3119. *****

August 19th-20th, 1995 CCCP if there is an interest contact: Chuck Anderle @ 915-685-3119. *****

September 2nd-4th, 1995 CRF Labor Day Expedition. Contact: Brian Holcomb @505-266-8485.

September 2nd-4th, 1996 SWR Regional @ Coffee Cave near Hillsboro, New Mexico contact: Mesilla Valley Grotto

September 30th, -Oct. 1st, 1995 Fitton cave Survey contact: Pete Lindsley @ 214-727-2497 or 214-952-2827

October 20th-22nd, 1995 Texas Caver's Reunion, Contact: Gil Ediger @ 512-441-0050

November 23rd-26th, 1995 CRF Thanksgiving Day Expedition, Contact: Brian Holcomb @ 505-266-8485

Labor Day 96' SWR Regional @ Amazing maze cave hosted by PBSS and TCMA....

Most all of this material was stolen from various and sometimes reliable caving newsletters in the Southwestern Region and surrounding area, including the TSA's "Activities Newsletter". ***** Denotes a PBSS club Trip...

Madonna Survey Trips, contact: Mike Huber @ 505-887-6065

Carlsbat Cavers, contact Phyllis Weston @ 505-887-6790 for restoration educational programs, off trail trips.

Honey Creek, contact: Mark Minton @ 512-847-3829

IF YOU HAVE ANY CAVING TRIPS PLANNED, PLEASE LET THE EDITOR KNOW AND HE WILL PUBLISH THEM HERE IN THIS SPACE!.....

Boy Scouts and Caves

Date: Mon, 8 May 1995 12:28:35 -0400 (EDT)

From: David White dwhite@mrj.com

To: cavers

Subject: Boy Scouts and Caves

Hello, cavers,

I have been independently approached by a couple friends requesting me to guide groups of teens into a cave or two. One is a Boy Scout troop, the other is not. While I have no hesitation about the people themselves, since I do not know the others (or their parents), I *do* have some misgivings about this thing. Now, I know several states have laws which attempt to shield wild cave owners from liability, there are no such efforts for the cave guides. And, everything I've seen indicates that the efficacy of such laws would be minimal in a serious challenge, and that even signed releases may not help.

With all these considerations in mind, what do those of you who *do* take Boy Scout troops caving do to handle the liability, aside from the obvious safety efforts? If you do have some type of release, is it worth the paper it's printed on, and if so, could you pretty please either send me a copy or let me know the gist of it?

Losing my house because some teen with bilious parents got rambunctious or careless in a cave is not my idea of fun, and no matter how much I hate thinking about these things, I have to. Yuk! MTIA. —Dave White
NSS 26594

Rabies Anyone?



Date: Mon, 8 May 95 From: "Steve Taylor" GR3508@SIUCVMB.

SIU.EDU To: cavers

Subject: Rabies Shots

Chad Ambrosius asks if it is worth getting vaccinated against rabies. I think this is largely unnecessary unless one regularly handles bats, which you shouldn't do without a very good reason.

The vaccine is not good forever, and you need to get a blood titer every few years to see if you are still protected (if not, a booster shot is required. I think the \$150 US price is not typical. We've paid \$300-\$400 here recently. To really get a feel for Chad's concerns, the article "Rabies in insectivorous bats" by Danny A Brass, DVM in the March 1995 NSS News is really good reading.

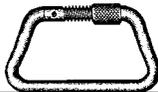
If you are concerned about contracting rabies by breathing it in, you might better expend your energy being concerned about histo, which is commonly contracted in such a manner.

****CAVE SOFTLY*** Steve Taylor NSS29460 ***CAVE SOFTLY***

A friend of mine who is an epidemiologist and I were discussing the importance (or non-importance) of having a series of rabies shots. Our concern was not necessarily being bitten, but of contraction of the virus through aerosols either from the bat itself or from dung, especially drier dung. Incubation periods can range from 10 days to 10 years. I read in a medical dictionary (Taber's Cyclopedic), that "as of 1990 there were only three reported cases in which patients recovered from rabies. Each of these patients had received either pre-exposure or postexposure prophylactic treatment prior to the onset of clinical illness." That seems a little grim to me, but what do the rest of you think? Is there worth to receiving three shots that cost me about 150\$? The value of pre-exposure rabies immunization depends upon actual threat of potential exposure. **See Rabies continued on Page 5....**
Rabies continued from Page 2....

Cave Locations continued from Page 1.....

I try to go there. It is also in pristine shape, except for a few arrows scratched in it, and an old sawn log used as a stemple (wedged anchor.) The local Boy Scouts have asked to use Boulder Choke Cave, which is in a WY State Park. The park superintendent lets the local grotto manage the cave, and we only let the scouts in the cave with our direct supervision. Our concern is that they will get taught the skills without the adjoining safety and ethics. Also, we want them to have a personal rapport with us cavers so they'll be a little more responsible about taking care of the resource. The lock has been cut off of the gate in Boulder Choke 3 times in 2 years. Once we caught the kids who did it, and they were friends of friends who we had just taken caving. The location was passed on without the safety and ethics: these kids had 2 flashlights for 5 kids, and no helmets. Their hacksaw tells me they weren't "caving softly." I am not a proponent of total silence on cave locations, nor total publication. But it sure seems easier to conserve caves by discretion than by policing them. We will continue to use Boulder Choke as a "training cave" because it floods very predictably with the Spring thaw, wiping out every footprint. We will continue to leave The Party Cave wide open (it also floods). We will continue to be discrete about the other caves in the area, taking visiting cavers there, but not local youth groups. **John Gookin Lander, Wyoming (USA) See Story Below.....**

**More on TV Rescues....**

Date: Sun, 7 May 1995 From: Jim Zeirke zeirke@execpc.com
To: cavers
Subject: Cave Rescue on TV

I am a firefighter and a confined spaces rescue team member, and a caver. We laughed uproariously while watching that Baywatch episode. The "rescuers" violated damn near every principle and practice in CS rescue. There was no metering of the space. No fall arrest system. No radio contact between rescuer and surface. No ventilation system. No breathing system. And on and on. The problem with this stuff is, when a real rescue happens people want you to rush right in like the idiots on TV do. BTW, that rescue closely paralleled a real one that took place in California recently. In fact there were two nearly identical ones similar to the one on Baywatch. In one of them the youngster survived after a 12 hour rescue effort. The other, the adult male died from compression asphyxia. ———Jim Zeirke.....

Editors Note: There is not enough space in a years worth of newsletters to tell about the Jessica McClure 58 hour rescue effort or should I say fiasco. To Jim Zeirke and to last months article by Mark Minton I say "Hey I hear you man, Where do these people hide between disasters and rescues?"—Bill Bentley...

Keeping Caves Secret!

Date: Fri, 5 May 1995 From: Minton@MAIL.UTEXAS .
EDU (Mark A. Minton) To: cavers
Subject: Keeping Caves Secret

I originally posted this a week ago, but it seems to have disappeared into the ether :-)

David Gibson recently wondered how we could keep cave locations secret. In the eastern and middle portions in the US most of the land is privately owned, so to get access one must locate (not always easy) and contact owners. This is not something the casual cave hunter will likely do much of, especially if the cave is not obvious. In the west most of the land is public, but the scale is so huge, and the caves relatively sparse and often obscure, that they are pretty much naturally protected. In extreme cases people have been known to purposefully hide entrances by covering them with rocks, brush, etc. It can be quite effective in low traffic areas.

Mark Minton.....

From the Editor:

This months cover photo is memorial picture of Wild Bill Greenlee, a former PBSS member and officer in Ogle Cave in New Mexico in January 1984. This months issue is dedicated to him.

Well if you haven't noticed the abundance of internet stuff that has infiltrated this newsletter then you are not reading it, It is a direct result of lack of input by the members of this club!

So if you like it, do nothing, if you don't like it, then I suggest that you send in trip reports and submit stories and or articles....

I don't mind putting them in. All one has to do is import the text and do a little editing and it also helps Chuck justify the need for Prodigy!
Bill Bentley Editor

Carbide! Carbide! Carbide! Carbide!

Date: Thu, 27 Apr 1995 11:48:03 -0400 From: RLuhr@aol.com
 To: cavers Subject: Dumping spent carbide Message-ID:
 <950427114801_98280595@aol.com>

Bruce Bowman wrote:

For the most part, the spent carbide is just lime. ... Outside of the cave, though, it is fairly benign. Just for the record, it should be noted that spent carbide can be toxic to farm animals, and so one should NEVER dump it in or near the cave area, lest you poison the landowner's stock. Take it home before getting rid of it and follow the advice of Bruce, et al, there. -- Rich Luhr

Date: Thu, 27 Apr 1995 10:43:04 -0600 From: Phil OKunewick
 <pokunew@lookout.ecte.uswc.uswest.com> To: cavers Subject:
 Re: Carbide equation Message-ID: <9504271643.
 AA24816@ducati.ecte.uswc.uswest.com>

Each molecule of carbide reacts with two molecules of water to create a molecule of acetylene and one of calcium hydroxide (slaked lime). Note that lamp-grade Calcium Carbide is far from pure. It's made by mixing Quicklime (Calcium-Something Or Other) with Carbon and cooking the mess in a low-oxygen furnace.

The Carbon for this is usually made by baking wood in a low-oxygen furnace. The volatile compounds evaporate from the wood, leaving Carbon and some relatively inert compounds behind. The carbide made by this process is by no means laboratory grade; it's intended simply to be fuel for a rather crude lamp. There are plenty of impurities in the mix. (Some carbide waste sure smells like sulphur.) I just dump the lime in my driveway in an attempt to kill off whatever grass may be growing up through the gravel. It rarely helps. I should think not! Why is it that we americans think that any waste product is deadly poison to every living organism? Carbide waste is very alkaline; if your soil is acidic (lots of trees, especially evergreen or oak) spent carbide will probably make the grass in your driveway grow a lot better. We buy lime by 50-lb bags to spread on our lawns! Carbide waste is also useful in compost piles and outhouses. ---Phil

Date: Thu, 27 Apr 1995 13:23:39 -0600

From: Minton@mail.utexas.edu (Mark A. Minton) To: cavers
 Subject: Carbide Equation Message-ID: 199504271923.OAA074
 68 @mail.utexas.edu

Several people responded to the request for the chemical equation for the reaction of carbide and water to make acetylene. One possibly confusing point is the byproduct left over, described as either calcium oxide (lime) or calcium hydroxide (slaked lime). The actual byproduct can be either, depending on the stoichiometry of the reaction, and they are interconvertible. Heating the hydroxide gives the oxide plus water vapor. In the presence of water, calcium oxide reacts to form the hydroxide (and gives off substantial heat in doing so!) If your spent carbide is moist or soupy, it will be the hydroxide. If it is dry and powdery, chances

are it will be at least partially calcium oxide. The oxide is the more reactive and potentially more harmful substance, so the practice of thoroughly soaking spent carbide is a good one. (It will also insure that no carbide is left unreacted.) Both byproducts absorb carbon dioxide from the air, turning into calcium carbonate (limestone), so spreading spent carbide on driveways, etc. is probably one of the most sound methods of disposal, as long as animals or children don't get to it too soon. Spent carbide, in either form, is also very caustic. If you've ever used your finger to clean out your lamp, and haven't washed it thoroughly afterward, you've probably noticed that your skin begins to come off, leaving sensitive spots or sores. Critters

"Stainless Steel Bars Anyone?"

Date: Thu, 27 Apr 1995 19:44:19 GMT From: "Andy Palmer."
 <EAR4A2P@LUCS-03.NOVELL.LEEDS.AC.UK> To: cavers
 Subject: Stainless steel bars.....Message-ID: <214B2497F76
 @lucs-03.novell.leeds.ac.uk>

Promise not to mention lamps in this one.... I recently decided my rack (caving supplies) was beginning to turn from a useful piece of caving equipment into a totally awesome abseiling speed record device - it was time to change the bars...

Being a penniless student, I couldn't afford to buy any new ones and there was no one around who wanted to buy a lamp or charger to replace their carbide, so I wondered about making some bars myself. I took the rack apart and got a guy who works in a plant yard to make me some up out of high quality stainless steel. He made exact copies of the top three bars but ran out of steel so the last two are the original alloy ones (but they weren't too worn so it shouldn't be a problem). I fitted them up and after a few tickles with a file they were fine. The only thing I find with them is they tend to be rather quick. This is not a major problem as I've never been one for dallying around on abseils, but it made for an exciting trip down GG main shaft. Has anyone any experiences with stainless ? Am I about to die horribly ? Seems OK so far but you never can tell..... Cheers Andy

PBSS Officers 1995

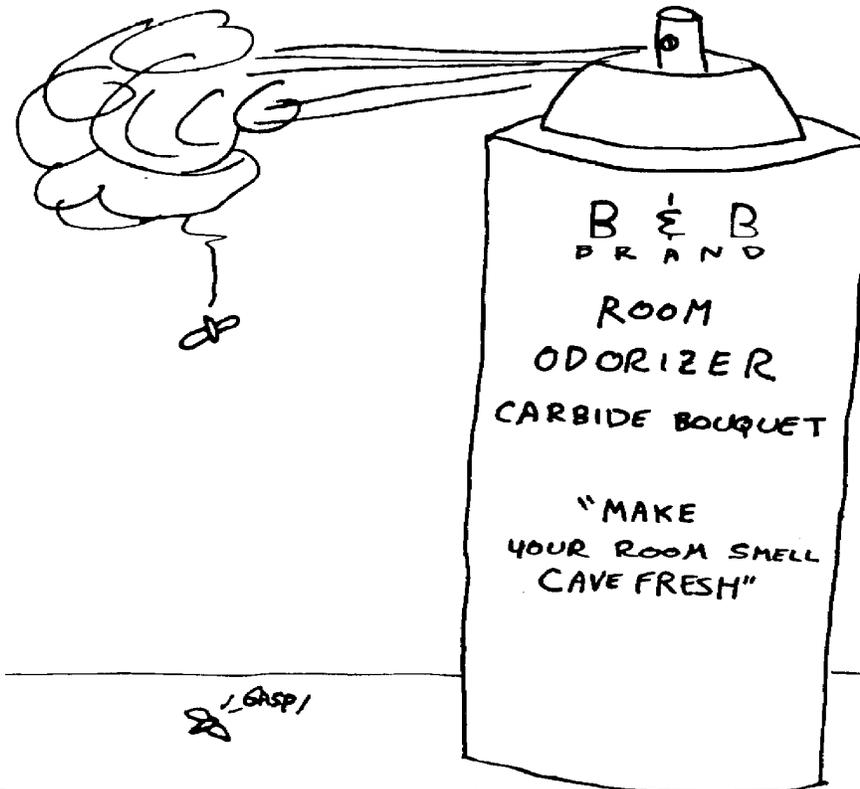
President: *Noel Pando*

Vice-president: *Gralin Coffin*

Secretary/Treasurer: *Walter Feaster*

Newsletter: *Bill Bentley*

Cave Humor by Tony Grieco



Little Known and Less Appreciated Speleo- Inventions #126... Carbide Scented Room Freshner

Immunization is generally reserved for individuals whose vocational or avocational activities place them in significant contact with rabies-reservoir or otherwise infected species, as well as for those who travel for an extended period of time to developing nations, in which canine rabies is often prevalent.

The incubation period is highly variable, dependent upon factors related to the nature of the exposure, the variant of infecting virus, and the age and immunologic status of the victim. Clinical signs might appear in as short as 9 - 10 days or as long as a year or more following exposure. On average, disease becomes evident within 1 - 3 months of exposure.

Recent evidence is consistent with incubation times in humans extending for as long as 6 - 7 years on rare occasions (1-5). Rabies is regarded as a universally fatal disease. As many as 30,000 - 50,000 human deaths are recorded annually on a global basis and these are likely underestimates of the true prevalence. There have been four reported cases of humans surviving the disease, sometimes with severe neurological impairment (6-10). The rabies virus is extremely labile in the environment and quickly inactivated outside of the body by drying. Cavers exploring in temperate-zone caves should not be unduly concerned about the threat of aerosol exposure. There have been only four reported instances of human transmission of rabies virus believed to have occurred via inhalation of

aerosolized virus. Two of these occurred in research laboratories and two are believed to have occurred in maternity colonies of Mexican free-tailed bats in the southwestern U. S. (8-9, 11-13). Outside of this unique environment, threat of aerosolized virus is not believed to be of significance.

Other diseases, such as histoplasmosis (fungal etiology), are a more significant concern than rabies to cavers working with dried bat dung. Criteria for pre-exposure rabies immunization have been recommended by the Immunization Practices Advisory Committee (14). Despite the fact that this committee places cavers in a category of frequent-risk exposure, there is no substantive evidence to justify this classification. This doesn't mean that pre-exposure prophylaxis is unwarranted; however, cavers should reasonably assess their potential for exposure.

Sincerely, Danny A. Brass



TRIP REPORTS: and other lies and stories



My trip to Mammoth Cave or how I spent my Summer vacation by Bill Bentley.

Tuesday June 13, 1995 I had an opportunity to visit Mammoth Cave in Kentucky and I was lucky enough to make the wild cave tour. I had made reservations about a month before and wasn't sure if there would be anyone else to make a trip or not. The park service issued everyone with helmets and cheap lights. There was a 9 in our group including the Park Ranger guide who took us through 6 and a half hours of crawling and wading through water and mud. We left about 10:00 AM and entered the cave through the Carmichael Entrance which had been hand dug by the CCC back in the depression and had 777 steps to get to the cave floor at the bottom.

The cave was cool and even though it was 54 degrees it didn't feel all that cold and I caved in a t-shirt most of the trip. There was a lot of the trip along a old unused tourist trail. The Ranger said that there was not any working lights along this trail and that was why it was closed, however contracts were being negotiated to have them repaired. (your tax dollars not at work). After a while, I wasn't keeping track of time since I didn't have a watch on, we entered a side passage that took us into a smaller passage with lots of crawling. During this trip we did several crawls with one of them being real small and tight. I would guess about 10 inches or so of crawl space. I wasn't concerned for myself because I was at the rear and I knew I could back my way out, but there was one fellow who was rather big and I thought a couple of time that he was stuck. Somehow he made it.

We got to stop and eat at the "Snowball Dining Room". I didn't bring anything to eat so I rested and waited for the others. This place was a lot smaller than the lunchroom at Carlsbad Caverns and was filthy since it wasn't in use there was sand from the trail all over the concrete floors and dust and debris on the tables. The restrooms were

working here but we were told that there wasn't any other ones in the caves that worked due to major plumbing problems, but that there were contracts being negotiated. Also the elevators were not working and same old story on contracts being negotiated! I was underwhelmed by it all!

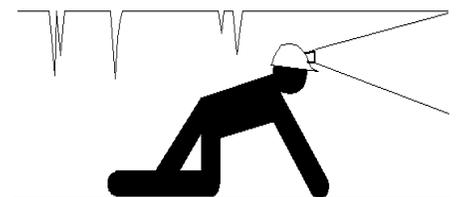
I noticed that several spots in this cave reminded me of parts of other caves that I had been in before. Finally we made our way to the visitor trail in time to scare some of the visitors and we exited through the "Frozen Niagara Section", the only really pretty part of mammoth cave with formations and all.

My wife and kids had taken the "Lantern Tour" and waited for my return at the visitor center up-top where after a short bus ride I joined them. The reason for several of the lantern guided tours was for the lack of working electrical lights in the cave.

The family and me did the "Historic Tour" and the "Frozen Niagara Tour" the next day. It was the usual visitor song and dance and we all enjoyed it. I was there in June of 1975 with my family when I was 14 and had noticed that they had quit displaying the Cave Man because the American Indians raised a stink and made it illegal to display the remains of native Americans even though he died 600 years before Christ was born.

The weather was great, never higher than 75 degrees and it wasn't much for motel swimming. Donnie turned blue and I think he was hypothermic at one point. We spent lots of money and visited every tourist trap along the way. We got to see all of the in-laws and out-laws. We eat out every meal gained lots of weight and that is how you measure that we had a good time.

I was glad to get back to West Texas where the isn't so many damn trees choking out the views and to where the humidity wasn't higher than the temperature.



Testing for Carbon Dioxide

Date: Tue, 9 May 1995

From: frantz@netcom.com (Bill Frantz)

While investigating Carbon Dioxide (CO₂) levels in some California caves, the Mother Lode Grotto found that a butane lighter made a good field test for unsafe levels of CO₂. If the flame burns normally, the CO₂ levels are not high enough to be a threat. If the flame separates from the lighter, you are at the margin. If the flame doesn't burn or goes out the CO₂ levels are life dangerous, and you should leave the area. They found places where the flame would exhibit all three behaviors as it was lowered a distance of about a meter into the pool of undisturbed CO₂ at the bottom of the cave.

If you are in an area like the adits near Tenerife, in the Canary Islands, as described by Thomas Striebel in *Cavers Digest* #5125, it might be wise to check near the floor as you go in.

Bill Frantz - NSS 11706

frantz@netcom.com

We lose a friend!

William D. (Wild Bill) Greenlee Entered life August 14, 1957 in Andrews, Texas. He passed away June 29th, 1995 in El Paso, Texas after a brief illness. Wild Bill as we called him was at one time a member and officer of the Permian Basin Speleological Society. During the mid 80's he served as newsletter editor of the PBSS "Splyunk" when he resided in Andrews, Texas, he later moved to Midland with a transfer from Exxon. In 1987, Bill moved to Carlsbad and went to work for Westinghouse as a Engineer for the Waste Isolation Pilot Project site.

I caved with Bill for several years and have to admit that those were some of the best caving years of my life. I have many fond memories of those times. Bill was always the life of the party and will be sorely missed by all who knew him. I remember once a trip to Christmas Tree Cave in Carlsbad Caverns National Park, New Mexico in which several of us had been in there for hours and I wanted to leave and so did the rest of the group, but not Bill! He wanted to stay and he did. Bill returned from the cave several hours later and had gotten his fill of this cave. He truly loved caves and caving.

Bill will always be remembered for the strange things he did, like he never owned a television set, he said he didn't have the time for it and the infamous "Pea Cannons" that he started by putting a can of peas in the campfire and watching the forthcoming explosions. At the last SWR regional meeting I saw Bill and didn't know that this would be the last time I would get to talk to him, but I'm glad I did and he told me the story about the "Pea Cannons" and how each time the can of peas would get bigger until he finally ended up with a large institutional size can and he told of how he tossed it in the fire. After an hour or two the ends of the can began to swell. Then after everyone went to bed in one loud bang the can exploded in a blast with such a force that it blew the fire out and scattered burning embers all over the place including on tents and camping equipment. Lots of people were mad at him over that. That was the way Bill was. I asked him what happened to the peas and he said that they were turned into pea plasma and vaporized any evidence of his shenanigans.

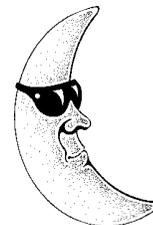
During the "Bat Cave Blow Out" several years ago, Wild Bill help concoct the very first "Skipper Water" (a 110 proof punch!), as well as he helped Tony Grieco at the first "Skipper Roast".

Bill was a friend to all he met and was good caver, he preached safety to all the newcomers and was always ready to make the next trip. I lost touch with Bill over the last few years and was glad to have known him, now my life will be richer. So, Bill I bid you farewell as you go caving for the last time.

Bill Bentley
Midland, Texas
PBSS Past President

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Carouth, Dutch	6300 East County Rd. 55, Midland, Texas 79705	none	Applied For
Coffin, Gralin	910 W. Kansas, Midland, Tx. 79701	915-682-1904	33471
Coffin, Kari	910 W. Kansas, Midland, Tx. 79701	915-682-1904	33472
Copeland, Pat	103 Lori Lane, Brownwood, Tx. 76801	915-643-2952	22361
Cullen, James R. *	8330 Endicott Lane, Dallas Texas 75227	214-412-1632	Are you kidding?
Day, Kevin	2100 Grayson Drive, Grapevine, Tx. 76051	817-421-2925	Applied For
Day, Rick	114 N.W. Ave. "F" Street, Andrews, Tx. 79714	915-523-9665	Applied For
Feaster, Walter	4307 Harvard, Midland, Tx. 79703	915-699-7049	31624
Fincher, J.D.	P. O. Box 472, Crane, Tx. 79731	915-558-7248	31859
Fincher, Richard	P. O. Box 472, Crane, Tx. 79731	915-558-7248	Applied For
Franks, Steve	422 W. Pecan Apt D, Midland, Tx. 79705	915-683-3305	35245
Glasson, Larry	1101 N. W. 7th Street, Andrews, Texas 79714	915-523-9772	Applied For
Gray, Larry	31 East 33rd Street, San Angelo, Tx. 76903	915-653-3823	19588
Gray, Steve	106 Canyon, Big Spring 79720	915-264-7619	Applied For
Grieco, Tony	1221 East Llano, Hobbs, NM. 88240	505-393-5604	Expired
Hill, Tom	P.O. Box 60633, Midland, Tx. 79711	none	27888
Hogan, Felder	P.O. Box 341, Andrews, Tx. 79714	915-524-6327	41068
Kamon, Ken	4400 Andrews Hwy # 801, Midland, Tx. 79703	915-699-7192	34637
Kirby, Chris	P.O. Box 1177, Van Horn, Texas 79855	915-828-3211	Applied For
Lowery, Kerry	P.O. Box 39, Coahoma, Texas 79511	915-394-4230	Applied For
Mahan, Sheree	5230 Woodhaven, Wichita Falls, Tx. 76302	817-723-8910	Applied For
McArthur, Martha	5209 Stillwood, Wichita Falls, Tx. 76302	817-723-9890	35327
Montgomery, Bob	P.O.Box 2102, Casper, Wyoming 82602-2102	307-266-6929	15643
Nance, Jim	P.O.Box 30824, Midland, Tx. 79712	915-563-5208	27723
Pando, Noel D.	1204 Alpine, Andrews, Tx. 79714	915-523-9294	39037
Pando, Noel M.	1204 Alpine, Andrews, Tx. 79714	915-523-9294	Applied For
Parent, Larence	P.O. Box 849, Manchaca, Tx. 78652	512-280-2843	Applied For
Russell, Sam *	5102 Castleford, Midland, Tx. 79705	915-682-4314915-	None
Selman, Tom	P.O.Box 50304, Midland, Texas 79710	561-9413	14778
Slut, Guad	1221 East Llano, Hobbs, NM. 88240	505-393-5604	Denied
Tucker, Rex *	P.O. Box 2853, Tx. Odessa 79760	915-368-4917	Non
Wallace, Warren III *	P.O. Box 382, Coahoma, Tx. 79511-0832	915-394-4310	None
Terrett, Tiffeny	5707 County Road 57 East, Midland, Tx. 79705	915-685-3119	32792



Please send all exchanges, corrections and updates for this list to Bill Bentley 400 Eastwood Drive , Midland, Tx., 79703-5308 , 915-697-3079, E- Mail is ALDN64A@PRODIGY. COM. I will try to update and reprint with every issue depending on space available. Use of this list is for members and cave related functions only and should not be used for commercial purposes.

Please welcome back James Cullen, a former member who rejoined after seeing the error of his ways. Also give a PBSS welcome Rex Tucker, Warren Wallace, and Sam Russell.