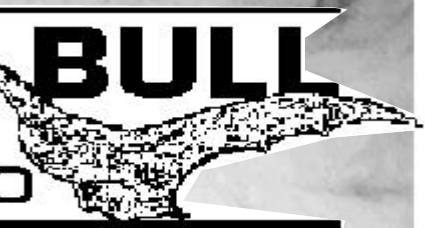


THE MAVERICK BULL

THE MONTHLY NEWSLETTER
OF THE MAVERICK GROTTTO



Volume 10 Issue 5

April, 1995



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The Maverick Bull is the monthly newsletter of The Maverick Grotto, an internal organization of The National Speleological Society (NSS G-322). The editor invites all individuals and other grottos to submit articles, news, maps, cartoons, art and photographs. If the material is to be returned, a self-addressed stamped envelope should accompany it.

Reprinting Articles: Internal organizations of The National Speleological Society may reprint any item (unless copyrights belong to the author as stated in the byline) first appearing in *The Maverick Bull* if proper credit is given and a complete copy of the publication is delivered to the editor at the time of publication. Other organizations should contact the editor of *The Maverick Bull* at the address herein.

Exchanges: The Maverick Grotto will exchange newsletters with other grottos. Contact the editor.

Complementary Newsletters: The Maverick Grotto will provide complementary newsletters to persons or organizations that provide cave access (i.e. landowners) or otherwise provide assistance to cavers. The Maverick Grotto will provide one free

issue to persons interested in becoming members.

Subscription Rates: Subscription rates are \$15.00 per year for non-members and free for members.

Membership Policy: Any individual with interests, beliefs and actions consistent with the purposes of The Maverick Grotto and The National Speleological Society is eligible for membership. Acceptance of new members is based on payment of dues and a mandatory three trip requirement with at least three different grotto members. These three members shall act as sponsors. At least one sponsor must attend the meeting at which the membership vote is taken. A two-thirds majority vote of the members present will be required for acceptance.

Meetings: Meetings are held the second Tuesday of each month at Smokey's Ribs, 5300 E. Lancaster, Fort Worth. It is located less than one mile west of Loop 820 and next to K-Mart. The time is 7:00 p.m., and the food is good.

Carbide: Grotto carbide is available at the meeting if prior arrangements are made. Carbide is free for the asking. Contact Russell Hill at 220-7108 or Butch Fralia at 346-2039 for more information.

Library: Support your Grotto Library. Russell Hill will be accepting books and magazines on cave-related topics, copies of homemade cave videos, etc. for our library. We wish to thank Russell for his efforts each month to bring and set up the Grotto Library.

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(512) 686-0234

Photo Credits

This month's cover photo is of one of the massive formations from Kickapoo Caverns, taken by Chad Fenner. Kickapoo Caverns is featured in the February issue of Texas Highways. See article inside.

Other Credits

Editor: Chad Fenner

Editor-in-charge-of-English: Lisa Fenner

Minutes for the March Meeting

The March meeting informally began around 7 p.m. The business portion was called to order at 7:35 by Grotto President Mike Anderson.

Announcements:

The Easter Trip is full! Every slot on every permit is filled.

Dues are due. Notices will go out with the April newsletter.

The Rites of Spring party is April 1st.

Old Business: None.

New Business:

The May Maverick Bull will have an updated Grotto mailing/phone list.

Dave Milhollin suggested that the new mailing list include e-mail addresses.

McLennan Community College will be conducting a Rescue Training course April 8 and 9. See related articles

The NSS Cave Diving section will be holding a body recovery course.

Contact Dave Milhollin for more info.

Mike Anderson brought up the idea of the grotto stocking some basic grotto supplies such as helmets and lights.

There was considerable discussion and we agreed to put it to a vote at the April meeting. See related article.

Trip Reports:

Robert Kam and Casey Holland went on the Colorado Bend trip and went in four caves.

Mike Pearson and John Langevin participated in a survey trip to Temple Cave. Maybe we can talk John into updating us on this project, either in the newsletter or as a program some month.

Dave Milhollin and Chuck Jones went to Air Aledo (spelling?)

Dave also found a cave in Cozumel populated with bats. I'm sure theres a

program in here somewhere.

Mike Anderson went to Devil's Sinkhole.

Elizabeth Lightfoot raised a question about getting a pre-emptive rabies shot. Some discussion ensued over the possibility of getting rabies from bat guano and even an "airborne" rabies. I'm sure there's a newsletter article in this one.

The business meeting was then brought to a close.

This month's program was on basic first aid for situations cavers are likely to face by Ray Gomez. Ray also covered some basic equipment that we all should consider a part of standard first-aid equipment.

Editors Ramblings

Happy April!

Have you noticed how many months in a row we have had no (zero, zip, nada, zilch-a-cola) trip reports? I know ya'll are caving and I know ya'll like to talk about it. (Sometimes it's darn near impossible to get cavers to stop talking about their cave trips.) Why then is it so hard to get a trip report out of anyone? I've been filling the newsletter with odds and ends, but what really makes a good issue (to me,

anyway) is to hear fellow cavers tell of how far that last drop was or how tight the squeeze was or how long the hike was, and, better yet, to have pictures to show for it.

There is no easier way to get your name in print than to write up a report on that trip with Butch you just got back from at CBSP, or to loan me that photo you took of Bruce stuck halfway through that last crawl. (You decide which end of Bruce to shoot!)

At a time when several of the top Texas newsletters are losing/have lost their editors, we can make ours shine. I'm more than happy to keep putting together this newsletter, but remember, I do just that -- put it together. It's your newsletter, about your caving adventures.

Happy caving (and writing).

-CF

April Meeting

The April meeting will be held on Tuesday, April 11 at Smokey's Ribs, 5300 E. Lancaster, at 7 p.m. This

month's program will be a slide show ordered from the NSS library. Since Mike had to put down three choices, he

really won't know which one he got 'til he gets it. But anything from the NSS slide library should be worth seeing in

First-aid Update

Mike Nelson found a company that provides much of the first-aid equipment that Ray Gomez discussed at last month's meeting, including Sam Splints, snakebite kits, neck braces and other stuff. The name of the company is Dynamed. Their toll-free number is 1-800-854-2706.

GROTTO EQUIPMENT POLICY PROPOSED

Various sources

A proposal has been made to the Maverick grotto to purchase and maintain a small amount of basic caving gear for use by beginners. The argument is that there is some basic equipment, unique to caving, that beginners must have in order to cave, but that they probably won't have. Rather than ask someone to purchase some equipment that they will never use if they decide that caving is not for them, the grotto could make that equipment available.

The opposing view contends that without proper guidelines, the grotto could be taken advantage of by cavers too cheap to buy their own equipment. Additionally, the grotto could be constantly replacing batteries and bulbs for all eternity, and how should equipment damaged during use be handled? Could a non-grotto member be trusted to properly care for the equipment?

To counter these objections, some guidelines would need to be devised. They would need to address who is considered a beginner, the battery and bulb issue, and what to do when equipment is damaged. They should also address whether or not some sort of usage tax should be imposed, and if a grotto-member sponsor is required to actually check out the equipment.

There is also the question of what is considered basic equipment. Should this include vertical gear and rope, or simply some helmets and lights? What about gloves and a backpack?

There was some discussion on this issue at the March grotto meeting. The general consensus was that the liability and maintainance issues for vertical equipment were too great for the grotto to accept. As far as backpacks and gloves, the discussion leaned toward limiting the equipment to items unique to caving. On the other hand, the general concept got a favorable response.

The discussion ended with the agreement that the issue would be further discussed and decided on at the April grotto meeting. Be prepared to voice your opinions at this month's

meeting and come away with a final decision on what kind of, and how much equipment the grotto should be willing to foot.

Texas Highways

Features Texas' Karst

Chad Fenner

The February 1995 issue of *Texas Highways* features not one but three excellent articles on the karst features of Texas.

The first, titled *In Praise of Limestone*, describes many of the limestone formations throughout Texas, above and below ground. From El Capitan to Dinosaur Valley State Park, Texas is covered with limestone. The article features photos from Longhorn Caverns and of rock shelters in Seminole Canyon State Park.

The second article is titled *Heaven on Earth*, referring to the beauty of Kickapoo Caverns State Park. This article features, obviously, Kickapoo Caverns, as well as Green Cave, known for its impressive bat flight. It includes photos from the Green Cave batflight, as well as a photo of the 80-foot limestone columns inside Kickapoo Caverns. '95 conventioners should recognize this if they went on any of the Kickapoo Caverns trips or Green Cave bat flights.

The third article was titled *A Helluva Hole*, by Dale Weisman and featured Texas' largest single subterranean chamber in Devil's Sinkhole in Devil's Sinkhole State Natural Area. This article featured some impressive photos and even quoted some yahoo named Dr. George Veni (referring to him as a veteran caver and consulting hydrogeologist).

The article notes that if it weren't for the massive breakdown mountain, the State Capitol building could fit inside the cave. Instead, the cave is inhabited by bats instead of state congressmen. (I wonder if that analogy was on accident?)

The article emphatically states that Devil's Sinkhole is not open to the public, but occasionally expert cavers and emergency-rescue personnel are permitted to rappel into the sinkhole. At the last Maverick grotto meeting, President Mike Anderson noted that he

was recently in Devil's Sinkhole. Does that make him an emergency-rescue personnel? Because we all know the alternative isn't true. :)

Anyway, all three articles were well written and had excellent photos. Pick it up if you can.

Proposed NSS Response on New BLM Policy

Posted to Cavers Digest by Louise D. Hose on March 9

The following motion (possibly in a slightly amended form) is expected to be placed before the NSS Board of Governors' meeting in about 10 days.

We would like feedback from NSS cavers, particularly those of you who visit/work in Bureau of Land Management (and other federally managed) caves.

The NSS encourages and supports the need to adequately fund cave management on public lands. However, the cave access fees proposed by the Bureau of Land Management, Roswell New Mexico, do not address that need. This proposal appears to be a mechanism, with no real precedent, to raise very minor user fee sums that give no certain assurance of being dedicated to cave management and conservation. The President of the Society is directed to communicate to the Bureau of Land Management, Roswell, New Mexico District, that the Society finds this current proposal unacceptable.

The Society might consider supporting user fees if all proceeds benefited cave management and adequate recognition is given the volunteer contributions of cavers to cave resource management, analysis and conservation.

Editors note - Remember, all public responses, either for or against the proposed BLM policy (See past BULL articles), must be in by April 19.

VERTICAL SESSION & FORUM CALL FOR PAPERS -

PRESENTATIONS - DEMONSTRATIONS

Bill Boehle - Vertical Session Chairman

1995 NSS Convention - Blacksburg,
Virginia - July 17-21, 1995

In this session the latest in vertical equipment, techniques, and safety will be discussed. Papers may be on any subject relevant to vertical caving or single-rope techniques. Updates on old equipment used new ways, new equipment and techniques, safety tips, and more, are all of interest. There will be a standing rope for demonstrations as well as a slide projector, overhead projector and blackboard available to presenters. We welcome impromptu presentations. No subject is too small to present. Share your knowledge with others. Please see Bill Boehle or Bruce Smith before the start of the session for impromptu presentations.

If you would like to present a paper or demonstration ****OR**** have an IDEA for a paper or demonstration YOU WOULD LIKE TO SEE (we will try to find someone with the information you want), please contact the session chairman.

Hope to see you all in Blacksburg in July!

WinKarst Survey Software Now Available

Garry Petrie

I've uploaded WINKARST.ZIP on gserv1.dl.ac.uk and speleology.cs.yale.edu in the /incoming directories. They will live there until the site administrators move them somewhere under /pub/caving. Note there is an associated README file and the correct byte length for WinKarst.zip is 820361.

WHAT IS WINKARST AND HOW CAN I GET IT?

OUTLINE

WinKarst was born of DOS Karst, free of the painful memory limits of

DOS and uncoordinated, home-brewed user interfaces common to DOS programs. WinKarst is a single iconizable program that runs under Microsoft's Windows and will not modify any of your system's.INI files or bootup files. The program allows you to view and analyze cave surveys, close loops, create plots and do data inquires.

WinKarst is user friendly. Anyone with limited exposure to Windows will find it easy to use. All the windows are iconizable and re-sizable. The top bar of the window contains a context-sensitive menu system. Below that bar is a tools bar with familiar icons like "printer" and "file open." In using the program, there is no correct order to get results, just explore the pulldown menus. The bottom bar of the window will display hints as items in the menus are passed over. Most actions can be invoked by pointing and clicking the mouse. The keyboard can also be used to select items.

All selection options are clearly displayed in dialog boxes. Cave survey files are chosen through the standard Windows Open File dialog box. You can easily browse your computer's directories for file types accepted by WinKarst. Color selection is made in a dialog box by pointing and clicking on the desired color. Font selection is made by picking a font name, which is previewed before the selection is final. Survey or station selection is made by pointing and clicking on its name in a moveable, re-sizable list box, or on the cave plot itself.

The program can now generate more than just simple line plots. Most cave surveying programs to date have only generated line plots. The line plots, even colored by depth, are very confusing in complex overlaying mazes.

WinKarst can now use passage dimensions, in terms of Left, Right, Up and Down measurements, to draw shaded polygons instead of lines. In this way it is possible to visualize in complex mazes how passages cross over or underneath each other. If no passage dimension data exists, then the program will draw passages of human dimensions, six feet wide and tall. Coloring of the polygons is by depth or by survey and can be plotted

in color if a color printer and driver have been installed under Windows.

Because this program is very much under development, there is the possibility of getting the much-feared "General Protection Fault."

Currently, it is not possible to modify raw survey data. Data can be created using DOS KARST, or typed directly in using a text editor, such as Window's WRITE program. Documentation fully describes the raw survey file format, and example files are provided.

CAVE DATA

WinKarst can handle the most complicated, out of sequence and confusing cave survey. Duplicate shots are automatically averaged. Excluded shots are retained for reference. Surveys or shots without any tie-ins to the main body of the cave are retained in a special "Exceptions" list for viewing.

WinKarst will treat your cave data as a single quantify, not compromising loop closure by forcing you to artificially preprocess and sort the surveys.

After loop closure, the data can be saved under a new name to retain the closed form. Saving the original file will always retain the unclosed data.

WinKarst can read and write three cave survey file types, each independent of the other, and translate between file type pairs. In native mode, the SUR file type is preferred. It is an ASCII file which can be edited with any type of text editor, and the file format utilizes no hidden keystrokes. The file can easily be e-mailed by any mailer. The file's language allows one hierarchy of include files. In this way, several caves can be maintained in separate files, and a single file, with include statements for the individual cave files, can be used to view all the caves.

WinKarst provides the user with immediate access to many cave parameters and statistics. These items include cave length, extremes, shot count, station count, loop count, survey count, loop closure error, expected loop error, loop shot sequences, loop length, number of shots connecting to a station, the location of a station, the shortest distance of a station to the entrance, the length of a survey and

much, much more. While viewing the cave plot, the mouse can be used to query stations, loops and surveys. Once selected, a dialog box will appear with information about the station, loop or survey. The box also gives the user the choice to open a window that will display all the shots associated with the object of inquiry.

HOW TO GET WINKARST

Because WinKarst is under construction and does not at this time contain a survey editor, it can be used and distributed for an unlimited time. Future releases of the program will be as shareware, costing \$25.00 to satisfied users. You can get WinKarst either by direct mail or through the Internet using FTP. To get WinKarst by direct mail, send \$5 to cover postage and materials to:

Garry Petrie
19880 NW Nestucca Drive
Portland, Oregon 97229

The 5.25 or 3.5 inch disk will contain a compressed file and the means and instruction on how to uncompress the file. The compressed file will contain WinKarst, sample survey files and a description of the survey file format.

These files are available across the Internet through FTP at either "gserve1.dl.ac.uk" in the "/pub/caving" or "/incoming" directory or at "speleology.cs.yale.edu." in the "/pub/caving/cave-software/ibm" or "/incoming" directory.

Editors Note: I know that many of you survey and that many of you have computers. I don't know how many of you use your computer to plot and record your survey data. I am unsure whether or not to include software release notices like this in the newsletter. Please provide some feedback and tell me if this is useful, too detailed, or a waste of toner and paper. -CF

Two NSS Sections Get WWW Pages

Rob Stitt

The NSS Cave Conservation and

Management Section is pleased to announce that it's home page on the World Wide Web is now up and running at :

<http://www.halcyon.com/samara/nssccms/>

It includes information about the Section, Conservation-related caving events, a copy of the FCRPA, the NSS Conservation policy, and the current issue of *The Cave Conservationist*. Back issues of *The Cave Conservationist* will be added soon, as well as other related information.

The NSS Human Sciences Section is pleased to announce that it's World Wide Web Home Page is now up and running at:

<http://www.halcyon.com/samara/nsshss/>

It includes information about the Section and will include a copy of the Section Newsletter *People Underground* when the next issue comes out (real soon now).

Cave Speleosophy

Steve Taylor NSS29460

Editors Note: This was written partly in response to a series of postings on Cavers Digest about smoking in caves and how it, as well as other activities, inherently have adverse effects on the cave itself. I thought it was a good write-up and thought everyone might enjoy it.

Hello FELLOW CAVE VANDALS!

I'd like to expand upon a point Adrian Farrel made in a recent Cavers Digest in response to Bruce Bowman's post in Cavers Digest 5068.

Adrian writes:

"If you are so concerned that the sheer number of visitors to a cave contributes to the degradation then you must stop caving at once."

I think it isn't quite that simple, or, rather, people aren't quite that simple.

We (those of us who enter caves) are all vandals; it is merely a matter of degree:

-A quarry operation might mine a cave right out of existence. No amount of time is sufficient to allow this cave to recover, but maybe the landscape will - in a few million years. Perhaps the cement in the sidewalk outside your home contains little bits of cave! We, as resource-using humans, create the demand for the products of quarry operations, and thus we're the ones ultimately responsible for these blatant acts of vandalism.

-Driving ATV's (all terrain vehicles, for those of you from other cultures) through delicate formation rooms while drinking beer (glass bottles) and shooting off fire crackers is vandalism (Yes, it has been done.), and, given enough time (perhaps 30,000 years?), the cave might repair the damage.

-Any caver, no matter how careful, will eventually damage a speleothem. Many cavers call this vandalism, albeit unintentional. If you claim to have never damaged a speleothem, keep on caving and you'll eventually join the ranks of us unintentional vandals.

-One footstep on a mud bank alters a cave. This is vandalism. Perhaps the next flood (a week from now?) will repair the damage.

-Pissing in a cave stream (bring a pee bottle!) is vandalism, it alters the cave stream. We can imagine that the cave can repair this damage rather quickly (perhaps in a few hours) in many cases.

-One caver entering a cave, no matter how careful they are, leaves behind an assortment of bacteria and fungi that were on his or her body, not to mention the chemicals left behind that were associated with washing clothes, stray bits of fabric and rubber (Where do you think the soles and toes of your cave boots go?), or (if one does not wash their cave gear between trips) even mud from another cave, containing a fauna potentially alien to the cave currently being visited. But, the cave might recover from all this,

given enough time.

-One caver in a small passage, alters the temperature, humidity, and, depending on the caver's cuisine, possibly the chemical composition of the air. The cave may be able to repair this damage quite quickly. (If you are with the caver who eats beans, you'd better hope it does the repairs fast!) This is, I think, a form of vandalism. The cave has been altered, no matter how temporarily, by human presence.

So if we are all vandals, why don't we cease caving at once? We all have our own reasons. Many of us find great pleasure in the awesome beauty. Some relish the thought of going where none have ever gone before. Some go

for the physical challenge. Whatever our reasons, I think that most cavers decide that the small amount of damage they do -- their footprints, a turned stone, a pissed off bat--is a price worth paying for the benefits of caving. I think cavers hope that

"their" damage is extremely minimal, and will repair itself. If it won't (for example, the damage to the cave floor on many major trade routes in Lechuguilla), perhaps the gained knowledge from scientific exploration (geological, biological, and chemical data, cave maps, photographs) somehow justifies the small price.

If, then, we accept a certain small amount of cave damage (=vandalism) as acceptable, at what point does the damage become unacceptable? There is no logical point; it becomes a continuum:

-One footstep, 10 footsteps, a thousand footsteps. The last footstep of one thousand does no more (perhaps even less) damage than the

first footstep, yet the damage is painfully obvious after so many feet.

-Some think it is acceptable to smoke in a cave. For them, the line is drawn a different place than many other cavers -- who's to say who is right? If smoking and or carbide lights are acceptable, what isn't? A very small campfire might be only slightly worse than a cigarette. How about a nice BIG fire?

-In large caves, a base camp may be established, which may have a designated latrine area. Many view this as acceptable. One of Missouri's longest caves is largely a wild cave, but has a very well-developed base camp, with electricity, running water,

sales, underground motorcycle gangs, bigger caving clubs -- the fun has no end!

If real cave conservationists stay out of caves, then, to be consistent (and taken to the extreme), they should stay off the darn planet, and get rid of as many other people as they can while they are leaving. (Don't leave any of those darn nuclear toys behind, either!) If some degree of vandalism is acceptable, then there is no stopping point. Any thing is acceptable.

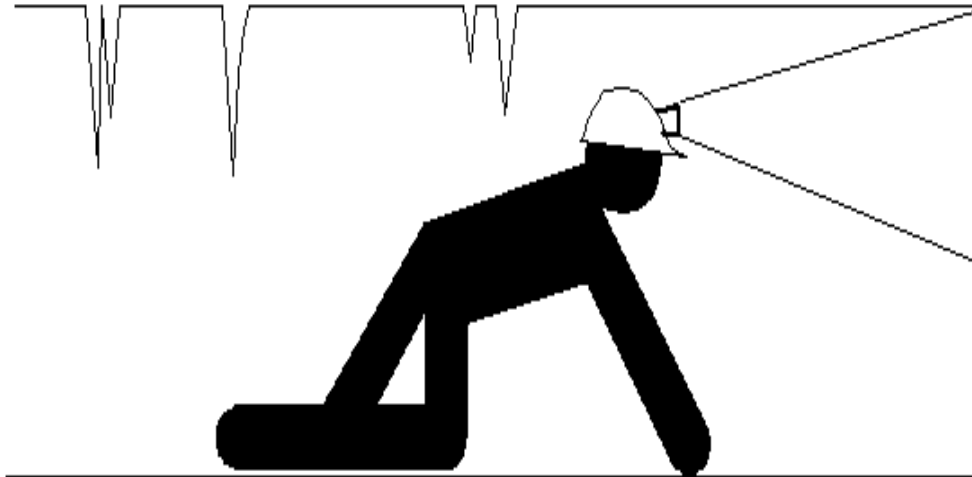
Destroy the caves, use up the world's resources -- after all, didn't God put them there for us to use? Most cavers, of course, fall somewhere between the ends of this slippery

s l o p e . Perhaps, if there is a God, we were put here not to use (up) the resources, including caves, but were brought here to be the "stewards" of this world, to care for the caves, that they might survive intact to see another millennium.

I don't really have any answers after all of this verbiage. I guess we just need to think and be aware, and try to make the choices we feel are best.

Sometimes it really sucks to be a caver.

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



and an actual outhouse. I don't know where the waste goes, but there ain't no sewer pipe coming out the entrance. Hundreds of Boy Scouts have visited this base camp. Some cavers view this as unacceptable damage (=vandalism). It is only a point on the continuum, only an embellishment of the lone caver pissing on a mud bank. Perhaps we should just pump "all" our sewage, even from a whole city, into caves -- Horse Cave, Kentucky comes to mind...

Following the slippery slope in this direction, we might conclude that, really, "anything" is acceptable damage. More TV coverage, cool trendy cave clothing, speleothem

CAVERS PLAN NOW ATTEND THE 1995 TSA CONVENTION

TO BE HELD 19-21 MAY 1995
IN KENDALIA, KENDALL COUNTY, TEXAS
(SEE MAP ON OTHER SIDE OF THIS SHEET)

TALKS & REPORTS ON: CAVES PROJECTS SURVEYING EXPLORATION EQUIPMENT & TECHNIQUES PHOTOGRAPHY	FEATURING: PLUS: BANQUET CATERED TSA BOARD MEETING SUNDAY MORNING-9 AM	SPECIAL PRESENTATIONS: PHOTO SALON SLIDES & PRINTS MAP SALON SURVEYING SEMINAR FREE DANCE SAT NIGHT music by TRAVIS COUNTY LINE GROUP CAMPFIRE BRING WOOD CAVING SUNDAY AFTER THE MEETING
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Registration Fees: TSA Members--\$9 Non-Members--\$12 Kids under 13--\$3
INCLUDES BANQUET Camping is \$5 per head for the weekend

For information about the Convention contact: Doug Allen at 512-476-9031

GROTOS--plan now to make a good showing! Get your photographers and mappers in gear. Encourage your members to present papers and attend.
PLEASE COPY THIS FLYER FOR DISTRIBUTION TO YOUR MEMBERS.

CALL FOR PAPERS

To be presented at the 1995 TSA Convention in May

If you would like to give a paper at the upcoming Convention, please write Terry Sayther at 1606 Fortview, Austin, TX 78704 or call him at h512-263-1450 or w512-442-1361. Your talk can be about a cave, a project, biology, geology, equipment, techniques, or any other caving subject that cavers will be interested in. Talks must be limited to 20 minutes.

RIBBONS AWARDED PHOTO SALON CASH PRIZES

Entries are solicited for the 1995 TSA Photo Salon. Enter your best Slides or Prints (Color or Black & White). For categories and entry rules contact Susie Lasko at 8222 Jamestown, Suite C-127, Austin, TX 78758 or call w512-873-0208 fax 512-835-2756 h512-873-0256

RIBBONS AWARDED MAP SALON CASH PRIZES

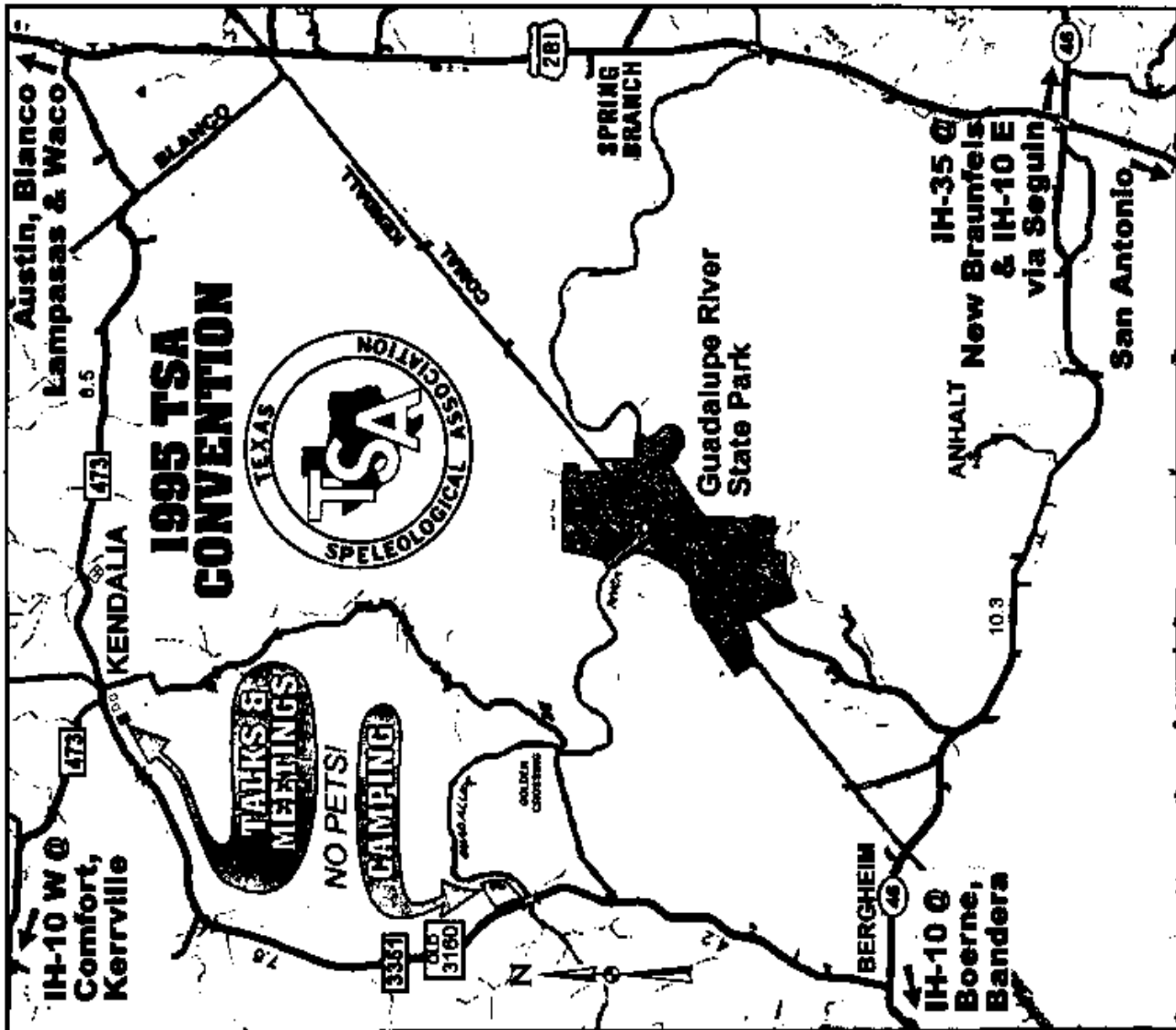
Cave Map entries are solicited for the 1995 TSA Map Salon. Enter your best Cave Maps in this contest. For categories and entry rules contact Dan Hogenauer at Div of Engr, UTSA, 6700 N 1604 West, San Antonio, TX 78285 or call 210-492-2006 or w210-691-5513

WE GOT RULES!

1. NO PETS! NO PETS ANYWHERE!
NO PETS AT THE CAMPGROUND!
NO PETS AT THE CONVENTION!
NO PETS AT THE CAVES!
SORRY! IT WASN'T OUR CHOICE.
2. THIS IS A COMMERCIAL CAMP-
GROUND. SWIMMING SUITS
ABSOLUTELY REQUIRED.
3. FIRES IN DESIGNATED AREAS ONLY.
4. QUIET TIME AFTER 11 PM.
6. COME PREPARED TO TAKE YOUR
GARBAGE HOME.
6. LIMITED PARKING—PLEASE CARPOOL
7. ABSOLUTELY NO TEXAS PARKS &
WILDLIFE VEHICLES OR SYMBOLIC
DEVICES (CAPS, SHIRTS, ETC) ON
HONEY CREEK PROPERTY.

CAVING TRIPS

THIS IS THE TSA CONVENTION. IT IS THE ONLY MEETING ORGANIZED TO PRESENT PICTURES AND TECHNICAL PAPERS ABOUT CAVING, ABOUT EQUIPMENT, ABOUT TECHNIQUES, AND ABOUT EXPLORATION. IT IS INTENDED FOR CAVERS TO MEET OTHER CAVERS AND TALK AND LEARN ABOUT CAVES. IT IS INTENDED TO BE FUN AND EDUCATIONAL. THE MORE CAVERS WHO PARTICIPATE, THE BETTER THE CONVENTION WILL BE. THIS IS GOING TO BE A REAL TSA CONVENTION. IF YOU'VE NEVER BEEN TO ONE, YOU NEED TO GET YOUR BUTT IN GEAR. THIS WILL BE A NEW EXPERIENCE. BECAUSE IT IS IMPORTANT THAT YOU ATTEND THE CONVENTION, WE ASK THAT YOU PLEASE LIMIT YOUR CAVING TO SUNDAY. THERE ARE PLENTY OF CAVES IN KENDALL COUNTY.



Calendar Of Events

April 7-9, 1995, Colorado Bend State Park - Contact Butch Fralia (817) 346-2039

April 15-16, 1995, Easter on Three Mile Hill - Contact Chad Fenner (817) 292-7722

April 22-23, 1995, NCRC Basic Orientation Course, Richmand, Kentucky - Contact ECU Division of special programs (606) 622-1444, or Dennis Robertson, (606) 272-2776

May 12-14, 1995, Colorado Bend State Park - Contact Butch Fralia (817) 346-2039

May 19-21 1995 TSA Convention, Kendalia, Texas - Contact Doug Allen (512) 476-9031

June 9-11, 1995, Colorado Bend State Park - Contact Butch Fralia (817) 346-2039

July 17-21, 1995, NSS Convention, Blacksburg, Virginia. Contact Carol Tideman, (410) 792-0742.

October 20-22, 1995, Texas Cavers Reunion, Flat Creek Ranch - Contact Susie Lasko (512) 873-0256

August 3-9, 1996, NSS Convention, Salida, Colorado. Contact Skip Withrow, (303) 693-0997.

**Maverick Grotto
C/O Chad Fenner
3700 Wayland
Ft Worth TX. 76133**