



mASSh-up meeting

Aggie Speleological Society



10/5 meeting by members for members







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Announcements

- **Cascade Caverns 0_0**
 - Show cave volunteer work, talk to Jenna
- **TCR- Texas. Cavers. Reunion.**
 - Come. Fun. We are running a keg & Speleolympics
 - Register- <https://www.cavetexas.org/tcr2023> 
-  ● **Vertical trainings** 
-  ○ **Sunday, Tuesday, Wednesday**
- **Signupgenius pinned in groupme!**

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Announcements cont.

- **Powell's Cave AGAIN**
 - Oct 20-22nd
- **Green Belt Vertical (Austin)**
 - Oct 22nd
- **ASSoween**
 - Time to get socially silly



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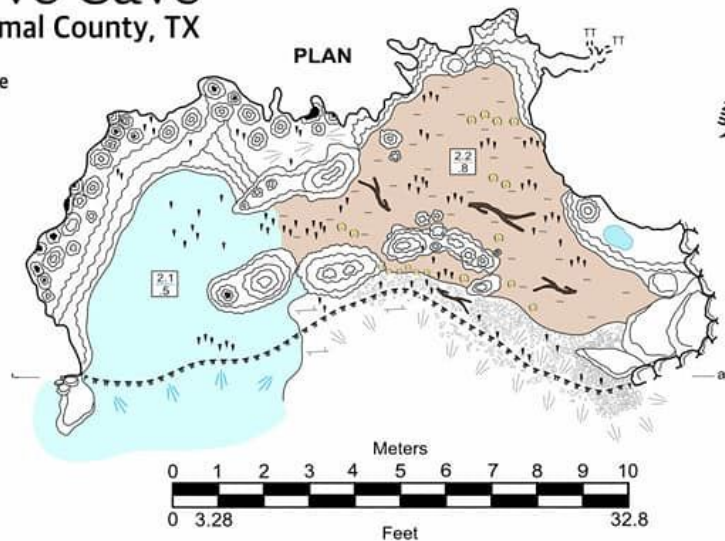
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Party Cove Cave

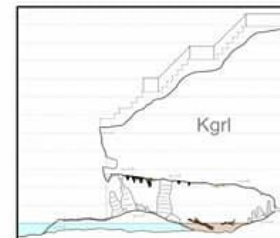
Canyon Lake, Comal County, TX

Survey Team: Ethan Perrine
 Survey Date: 01/Oct/2023
 Instruments: DistoX2
 Data: TopoDroid

Length 10 m (32.8 ft)
 Width 20 m (65.6 ft)
 Height 2.2 m (7.2 ft)



- Wall
- Zebra Mussel
- Column
- ⊙ Stalagmite
- ⊖ Breakdown
- ⊖ Gravel
- Water
- Deep Mud
- ⊖ Woody Debris
- ∕ Slope
- ∕ Depth
- ∕ Stalactite
- TT Constriction



6 m / 19.68 ft

Full Pool Elevation (Conservation Pool) 277 m / 909 ft; 100% Full

5 m

4 m

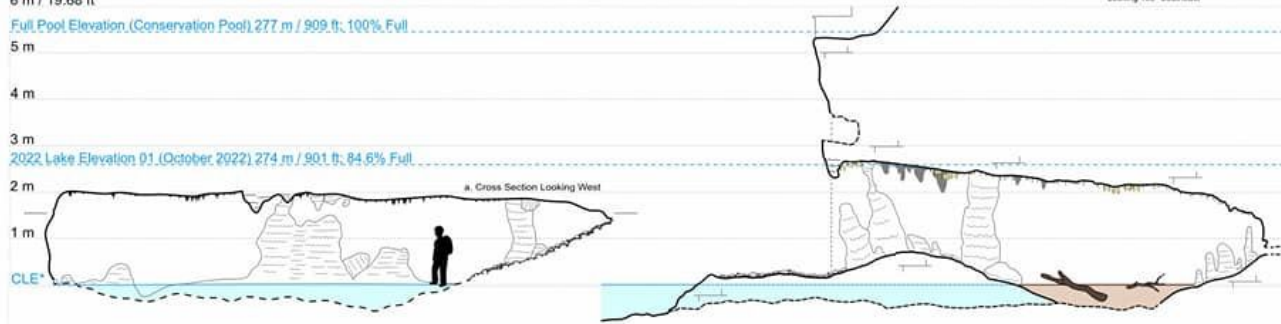
3 m

2022 Lake Elevation 01 (October 2022) 274 m / 901 ft; 84.6% Full

2 m

1 m

CLE



*Current Lake Elevation (01 October 2023): 271.2 m / 890 ft; 65% Full

Drafted by: Ethan Perrine, 2-4 October 2023

*Big Mega
Ultra
Stinker
List*

Eric Tagoe
Connor Flammang
Austin Silva
Nathan Smith





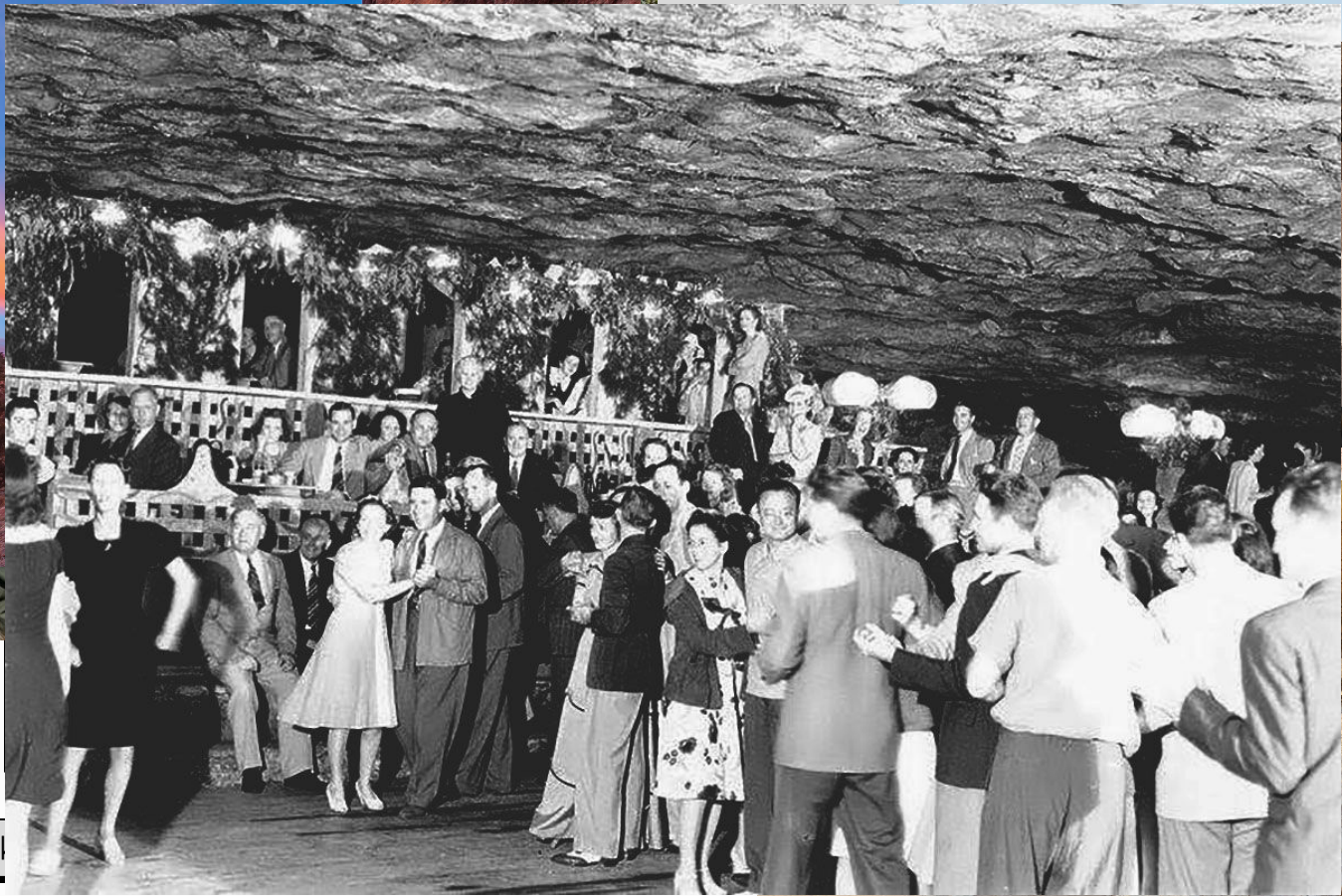
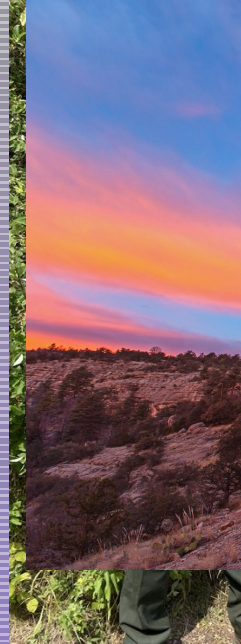
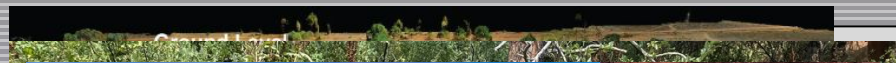
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Cave Dwelling Communities?

Why would people utilize caves?
Where is there evidence of this?
Can I visit any of these sites relatively easy?
Where can I find more information?



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My pregnant wife: we can't have sex. What about the baby?

Me: he won't know

The baby:



Janel Comeau

@VeryBadLlama

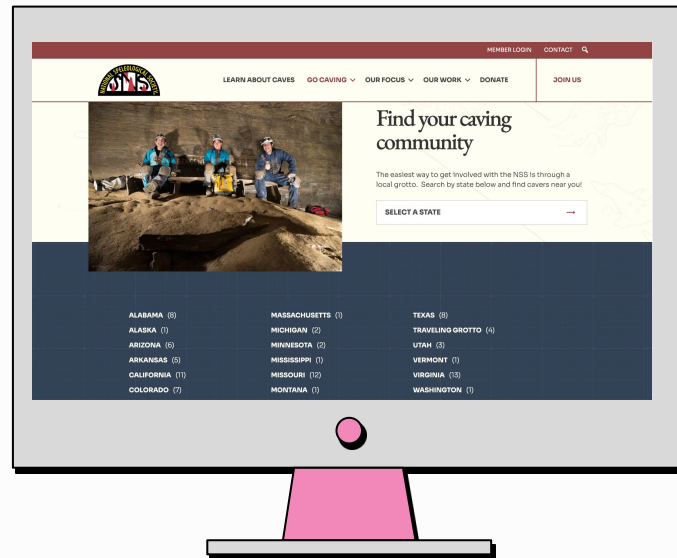
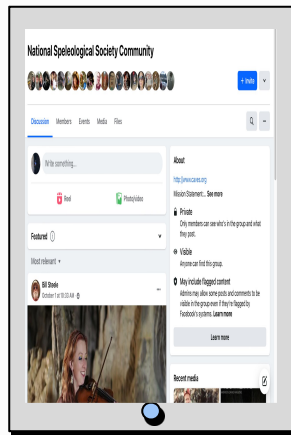


hey sorry I missed your text, I am processing a non-stop 24/7 onslaught of information with a brain designed to eat berries in a cave



How do I find a grotto if I am graduating soon?

Network at Caving Events like TCR and NSS



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What The Bloody Hell Is A Bat?



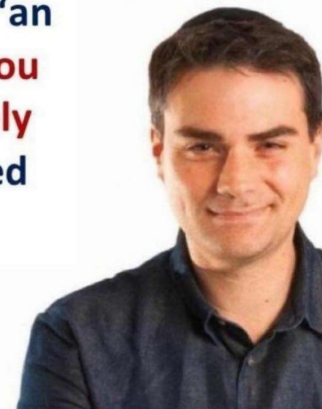
- A bat is like someone made a squirrel out of duck
- I mean what is going on here?
- Is it a bird? Some form of hamster bird
- No it's like a moth mixed with a cat
- Some sort of bear wasp maybe



Dear ~~NOB~~
REC CAVER
You claim to be “an
explorer”, yet you
travel exclusively
through mapped
territories



Ben Shapiro





ASS Explorer wif friends

Bring a friend along on a trip by convincing them to join the grotto!



Aggie Grotto

@aggiegrotto • 71 friends



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Pregnant Ghost Bat having an ultrasound at Featherdale Wildlife Park



theworldisanapple-youareaseed

congrats it's a bat



toothpast

[delighted bat noises]



Bare Minimum Caving

3 light sources



Helmet



Gloves



Clothing



Cave Snacks



Batteries



First Aid Kit



Bag/Pack



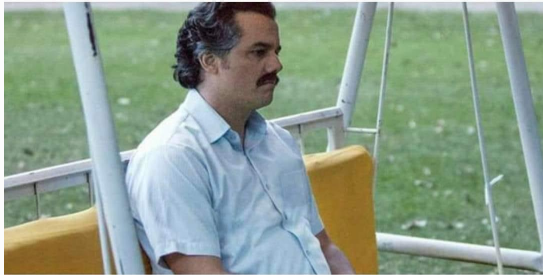
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Waiting to get invited on a cave trip as a new cover





What qualifies a Cave
to be a Cave?



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Is it a caver or is it a cavern? ✨ ⭐

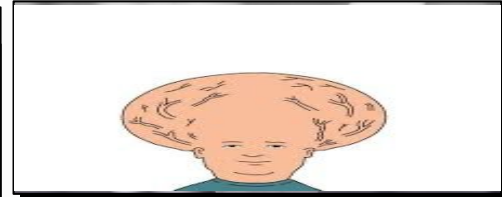
01 Cave

What we just said it was



02 Cavern

A specific type of cave formed in soluble rock with the ability to grow speleothems



03 Kowalski, Analysis

All caverns are caves, but not all caves are caverns.



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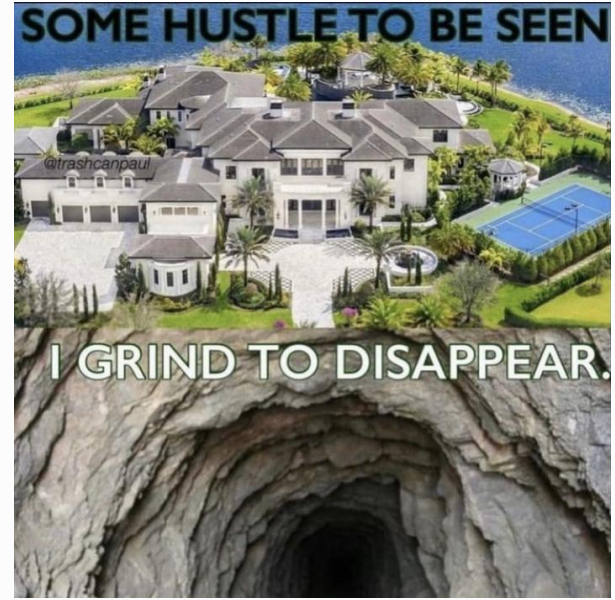
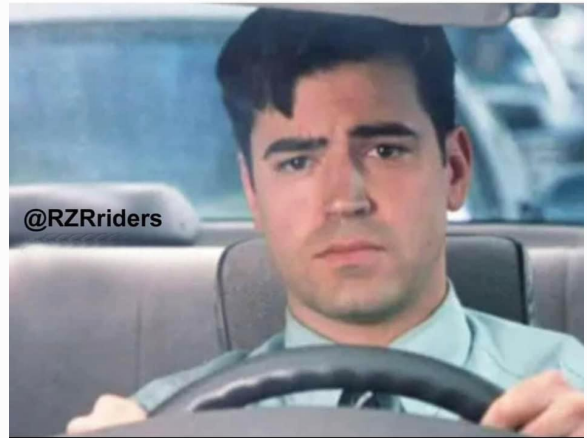


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**Me in the parking lot at
work considering calling
in sick to go Caving**







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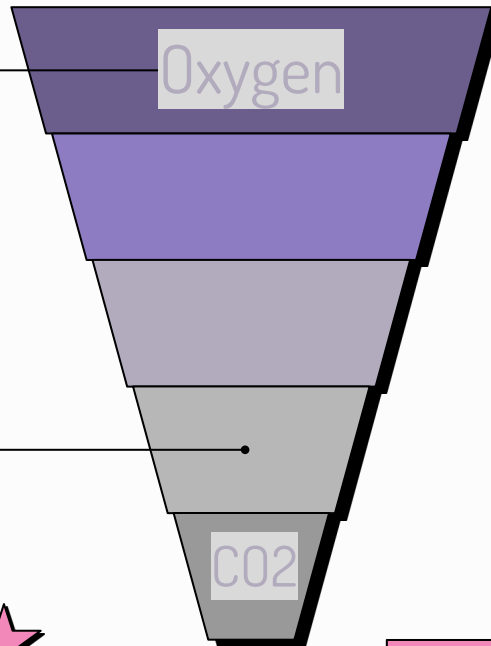
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Bad Air (Diagram Era)



Ceiling

The lightest gases will gather here



This causes *vertical* caves to be especially dangerous in regards to bad air

0ft-1ft

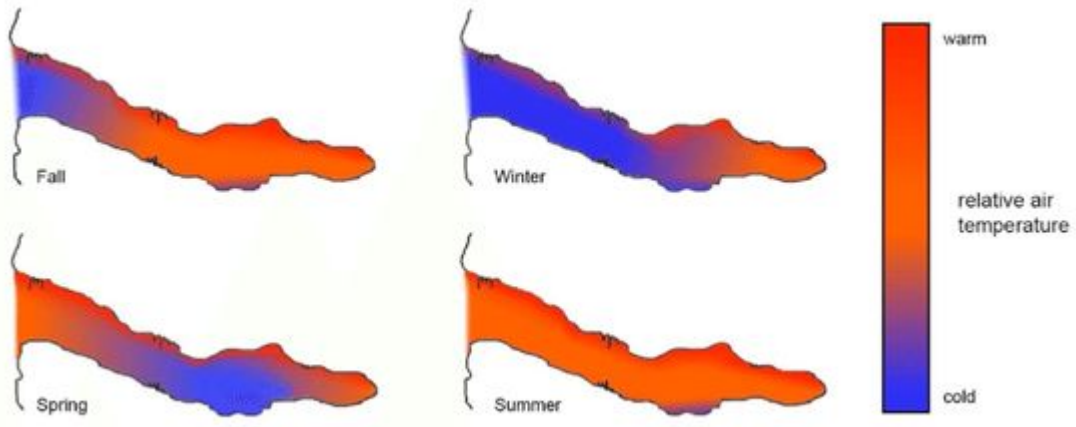
The heaviest gases will gather here



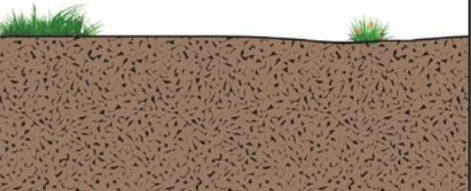
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☐ ☐ ☒



Current Outside Conditions

Barometric Pressure: 30.18 inHg

Temperature: 81.87 °F

Relative Humidity: -5.00 %

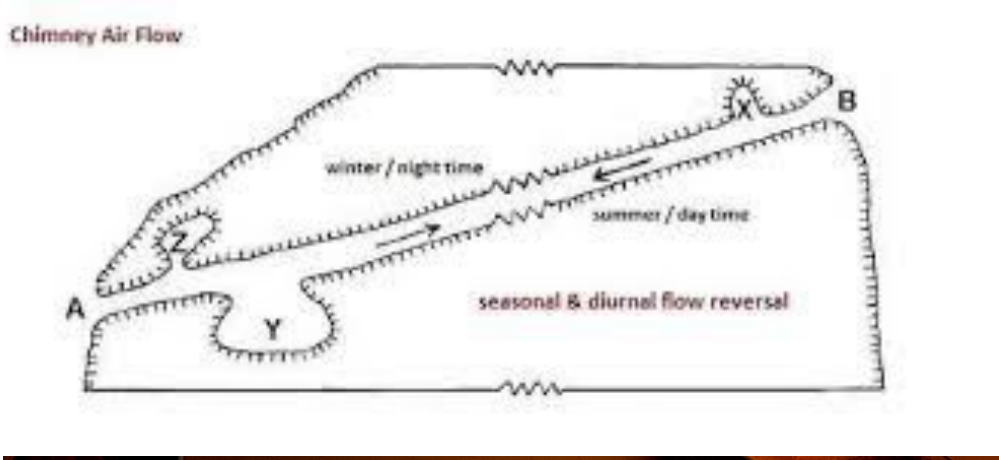
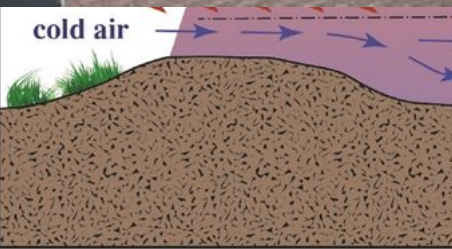
Current Cave Conditions

Pressure: 30.13 inHg

Temp: 52.70 °F

RH: 96.62 %

- chimney effect
- th
- warmer air out of the
- Origins of other gas
- O₂ -> plant
- CO₂ -> animal
- methane ->
- ammonia -> guano
- geothermal gases -> natural processes



Bic Test



**AT 17% OXYGEN A
LIGHTER WILL NO
LONGER LIGHT**



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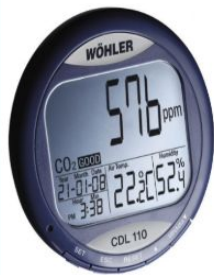


When they ask me about
my small party rescue plan.



Radon? Monitor Her? I barely know her...

- naturally occurring radioactive gas that is clear and has no discernible smell
- originates from the breakdown of radioactive materials in the soil and rock such as uranium and thorium
- outdoors it disperses easily and poses no risk but indoors radon can have high concentrations and pose health issues
- many *show* caves throughout the US monitor radon due to EPA regulations
 - sets standards of times workers can be exposed in the cave



WOHLER CDL 110 CO2-MONITOR

CO2, HUMIDITY AND TEMPERATURE

DELIVERY TIME: 1-3 WORKING DAYS, NEW GOODS
FROM 01.01.2020

The Wöhler CDL 210 CO₂ data logger and the Wöhler CDL 110 CO₂ data monitor are CO₂ measuring devices (colloquially also called CO₂ traffic light) for continuous monitoring of the carbon dioxide concentration (in ppm) and other air quality factors.

Determination of the indoor air quality through combination of measurement and identification of:

- The CO₂-concentration
- The air temperature
- The air humidity

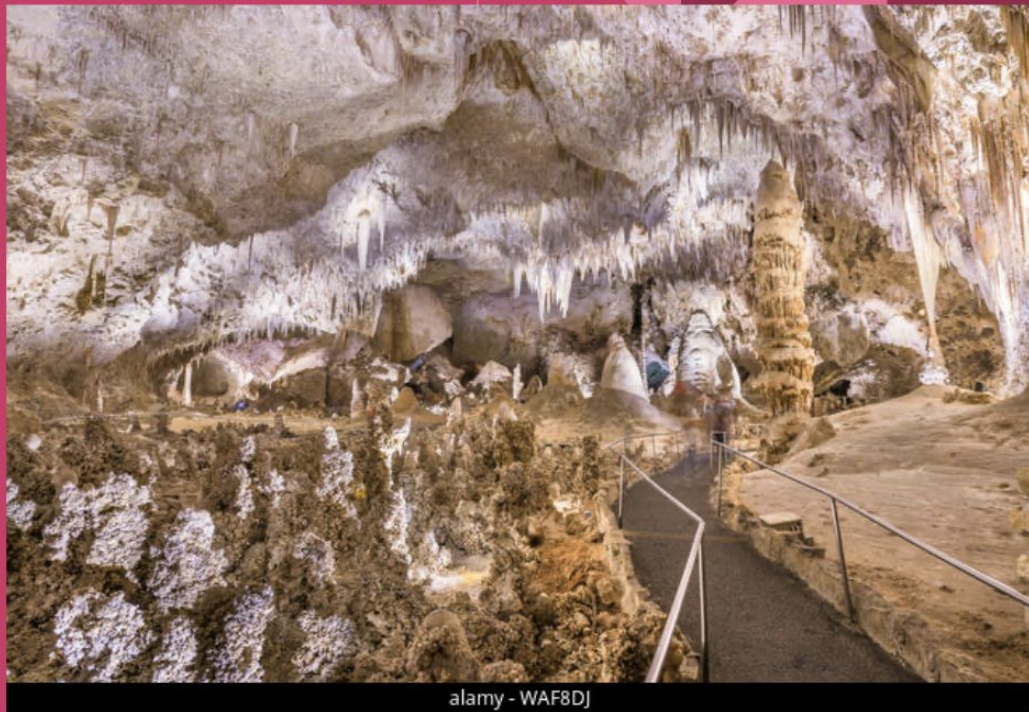
For CO₂-monitoring of:

- Housing spaces (comfortableness, humidity problems, etc.)
- Conference rooms and lounges (e.g. schools)

\$219.00



Click to add



alamy - WAF8DJ



"Relax, Worthington. ... As the warm, moist air from the jungle enters the cave, the cool, denser air inside forces it to rise—resulting in turbulence that sounds not unlike heavy breathing."



If those kids could read they'd be very upset

Are there more student grottos?



- COCK
 - Central Cavers Of Kentucky
 - Univeristy of Kentucky affiliate
 - President: Chelsea Parada (ASS alum)
 - this is their first year!!!! Conception NSS Convention 2023- WV
- VPI Cave Club
 - Virginia Tech
- New Mexico Student Grotto
 - New Mexico Tech
 - Cave Mom: Hunter Klein
- West Virginia Student Grotto
 - West Virginia University
 - we usually see them on spring break!

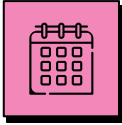


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ASS vs. VPI



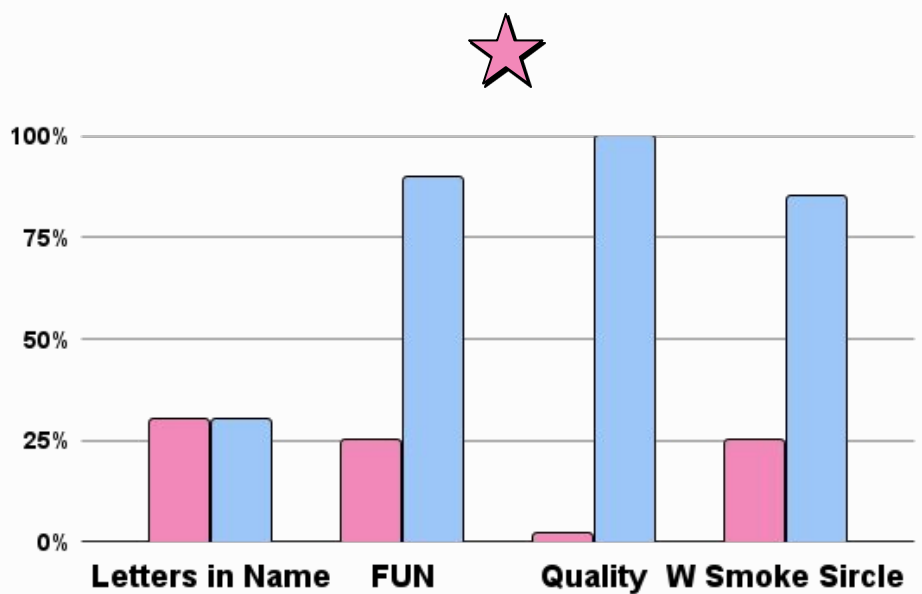
VPI

Virginia Tech



ASS

Texas A&M BABY



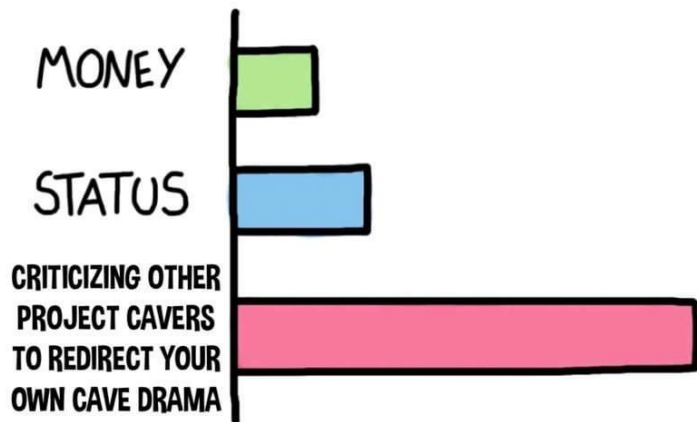
How we hold up to the *other leading student grotto*

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WHAT GIVES PEOPLE FEELINGS OF POWER



nqnqng

For real tho can anybody explain the difference between romantic and platonic friendship, for someone who has neither,



rangerairmide

in a romantic relationships you speak latin and your empire falls, and in platonic relationships you speak greek and think about caves

Source: lamdiel

Speleology Worldwide

- NSS 
National Speleological Society
- UIS 
International Union of Speleology
- ASF 
Australian Speleological Federation



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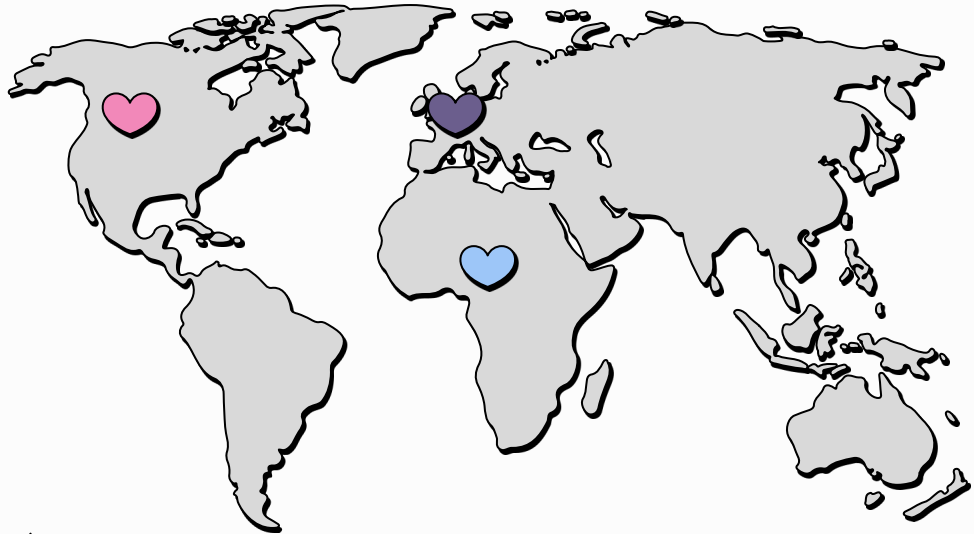
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Speleology Worldwide

ASS-Canada 
Alberta Speleological
Society

CEP- South Africa 
Cave Expedition Club

United Kingdom 
Rubber Duck Caving Club



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At 2AM. When you realize it's just a squirrel.





Officer Picks

 Paige	Fav Multi Cave	Fav Horizontal Cave	Fav Vertical Cave	BNC you look up to	 Scary Cave Experience?
Paige	Carlsbad Caverns	Blue Spring Cave	Stephens Gap	I want to be bffs with Mike Mansur	Yes
Luke	Carlsbad	Sand Cave NM	Stephens Gap	Bill Stone	Yes
Josie	Hang Son Doong	Deep	Coreth Bat Cave	Gilly Elor	Yes
Caleb	N-8 in Kenya	Pine Hill, Kentucky	0-9 Well	Joel Despain	Yes



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Officer Picks



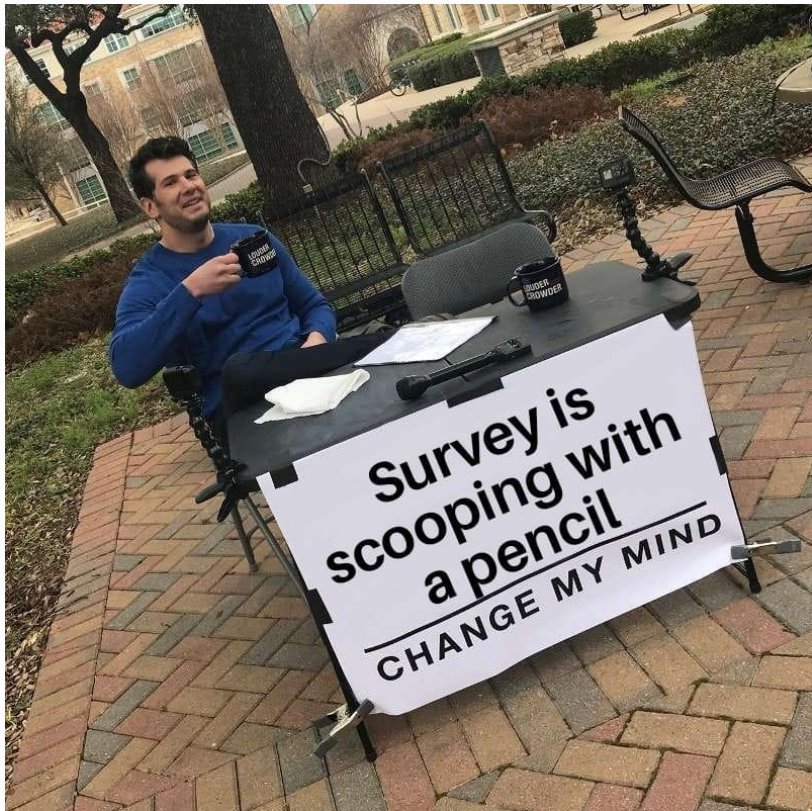
	Fav Speleothem	Fav Headlamp	Fav Knee Pads	Project or Rec?	Fav ASS Trip
Paige	Rimstone dams	Fenix HM70R	Dirty Daves	Healthy mix	TAG '23
Luke	Lilypads	Fenix HM65R	Volleyball >:)	Mostly Rec	TAG '23
Josie	Lion's Tail (Coralloids on stalactites)	ZebraLight	Dirty Daves	Project	Drew Dig Summer '22
Caleb	Column	Fenix	Crawdaddies	Expedition	Mushrooms



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TO CATCH A SCOOPER





Officer Picks



	Fav Multi Cave	Fav Horizontal Cave	Fav Vertical Cave	BNC you look up to	Scary Cave Experience?
Izzy	Same as Kraleb's	Deep <3	Valhalla	Robert Swanepoel	Bruhaps
Will	Stephen's Gap	Blue Springs	Stephen's Gap	Mike Mansur	Yes
Jakob	Carlsbad Caverns	Crystal Cave TN	0-9 Well UwU	Crash Kennedy	Yes
Jenna	Carlsbad Cavern	Spider Cave	Coreth Bat Cave	Pat Kambesis Anna KP	Yes



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Officer Picks



	Fav Speleothem	Fav Headlamp	Fav Knee Pads	Project or Rec?	Fav ASS Trip
Izzy	Music room rocks	ZEEB	Walmart	Rec	All of them
Will	Helictites	Fenix	Dirty Daves	Rec	TAG '23
Jakob	Soda Straws	Fenix	Howitzers	I refuse.	TAG '22
Jenna	Cave Fingers or helictites	Zebra	Dirty Daves	Survey(Sketch) or Restoration	Ft.Stanton July 2023



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**I'M
TELLING YOU
SHE'S A 10**

**SHE DIGS OPEN
CAVES FOR FUN.
SHE WAS COVERED
IN MUD WHEN YOU
BROUGHT HER TO
DINNER. SHE TALKS
ABOUT BATS INCESSANTLY.**



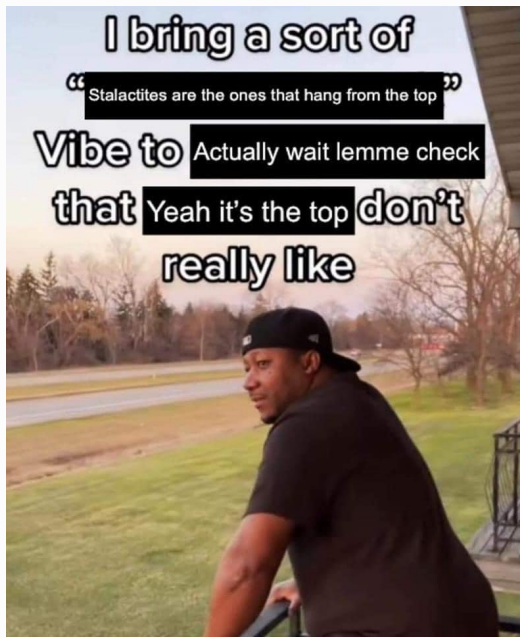
**I ALREADY
SAID SHE'S A 10,
YOU DON'T HAVE
TO SELL ME ON HER.**

zoomies.zoom

Fuel

Cave Snack
-Georgia Sn
-it car





 **Erik Wade**
@erik_kaars

Working on our beach bodies is out. This fall is all about working on our cave bodies. Let's live deep underground and develop cold clammy hands and pale luminous eyes. Forget what the sun looks like! Force lost travelers to play games of riddles for their lives!

1:49 PM · 03 Sep 19 · [Twitter for iPhone](#)



98 Retweets 300 Likes



 **Erik Wade** @erik_kaars · 9h
Academics, we all have a head start on this.

   31 



Are there any ASS traditions?  

- Loaf O' Bread on trips
- Backroad 40 @ D&P
- Tipping the Gate Bitch
- Cartel Car
- Bringing Stuffies on Trips
- Speleo-olympics at TCR
- ASS-oween
- ASS-giving
- ASS Blow Out
- Volleyball Ls

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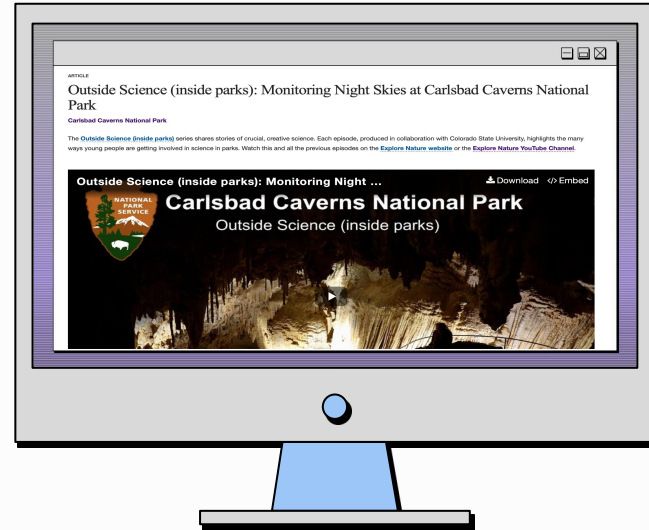
Does the surface impact the subterranean?

What does light pollution mean for our bat friends and is a dark sky important for them?

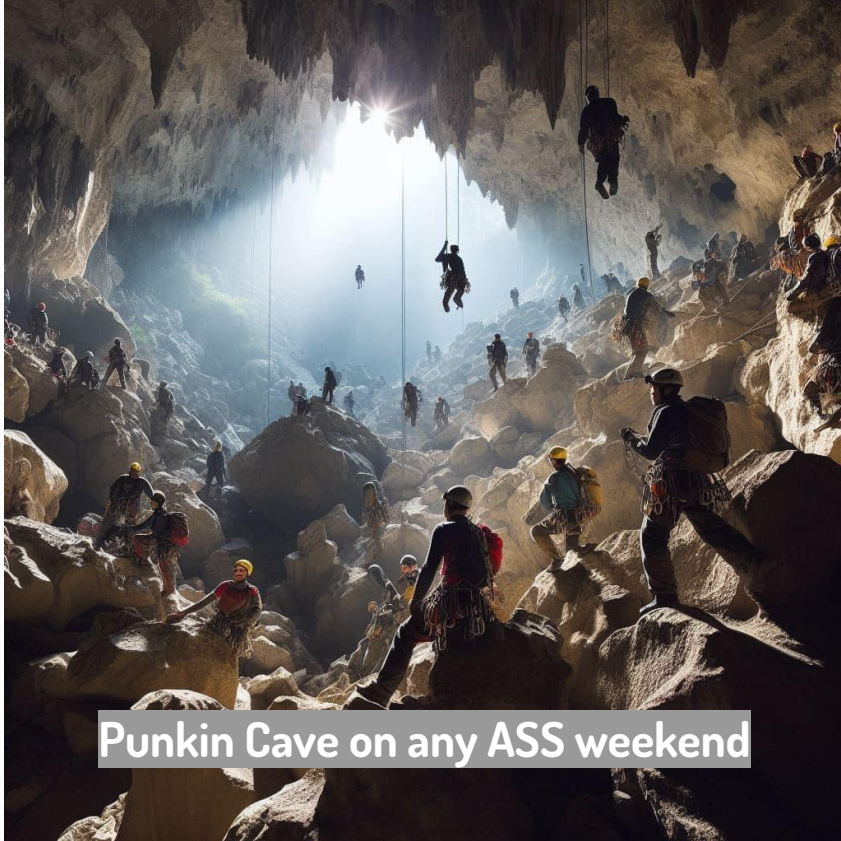


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https://www.nps.gov/articles/000/osip_cave.htm



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Punkin Cave on any ASS weekend

When someone with an anime profile picture gives their opinion on rigging a deep pit.



Are there jobs where I can get paid to cave?

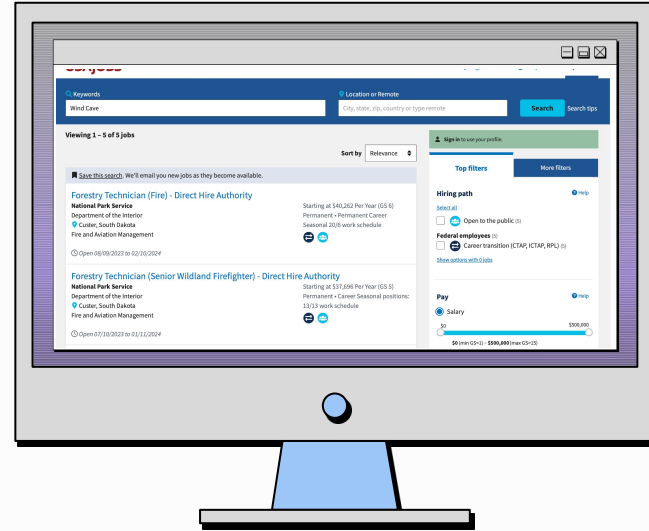


Yes!

- ★ Cave and Karst Job Board-Facebook
- ★ USAjobs.com
- ★ NPS Internships
 - Mosaics in Science
 - Scientists in Parks (SIP)



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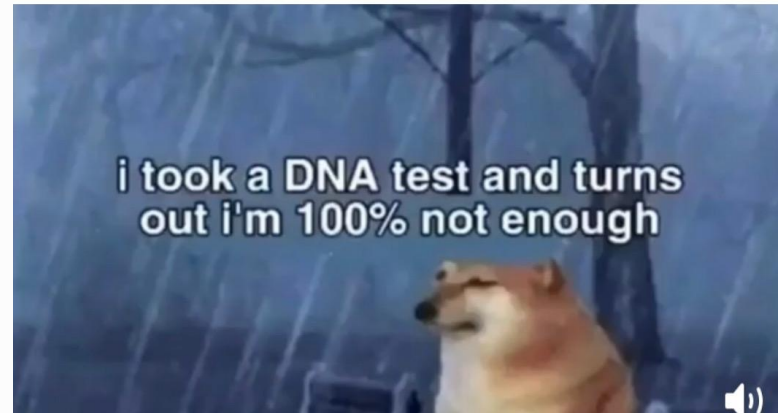
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Me when someone tells me a story about their “claustrophobia”:



When you ask Bill Stone to come build legos with you but he says no:





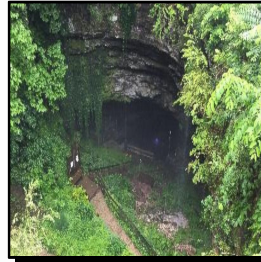
Me when I find non-historical trash in the cave:



Cave Palontology?

Fossils

Many things are washed into caves during floods.



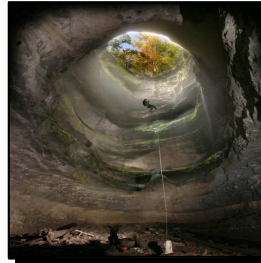
Fossils

Many creatures utilize caves as lairs.



Fossils

Many things fall in caves and die.



Fossils

Sometimes are exposed in caves.



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Mfs when they get to go dig around in peanut butter mud for 10 hours (I'm mfs):



“Hey I just found this cool cave do you wanna—“:






[minimize] [maximize] [close]

Netflix

break



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Sources



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<https://british-caving.org.uk/about-bca/caving-clubs/>



0-9 Well/Amazing Maze

