CENTRAL
OKLAHOMA
GROTTO
OF THE NATIONAL
SPELEOLOGICAL SOCIETY,INC

C.O.G.nizance

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Google Meet
Friday, June 10, 2022
At 7:00 central time
Becky will send you an invitation

If you are writing or drawing something to be included in the 2022 Oklahoma Underground please get it finished and sent to Sue. Thanks

.Librarian Spots A Sleepy Little Animal Curled Up With The Books

By Lily Feinn
Published on 5/27/2022 at 12:07 PM
https://www.thedodo/librarian-spots-sleepy-little-bat-curled-up-with-the-books

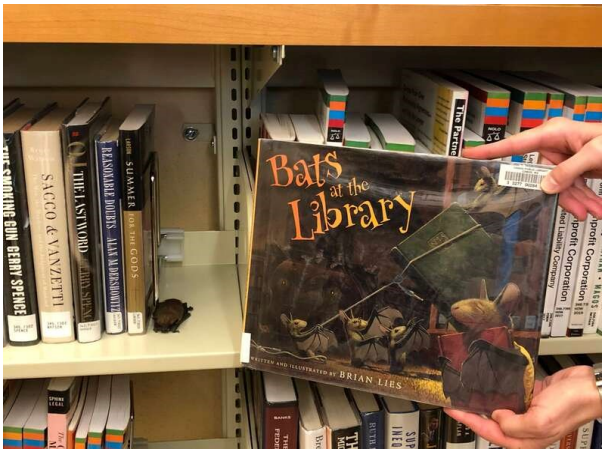
Last month, a librarian at Camas Public Library was shelving books when she came across somebody sleeping in a quiet corner of the historical nonfiction section.

It's not unusual to spot someone dozing while curled up with a good book, but finding a little brown bat fast asleep was a first for her.

"She didn't want to disturb it and, aiming to confirm it was indeed a bat sleeping on the bookshelf, she left to get the second set of eyes of a colleague," Connie Urquhart, library director, told

Urquhart called the local animal services, and Officer Bryan Caine arrived 15 minutes later. "He was extremely calm and easygoing about the situation, even allowing us to take a quick photo of the bat with the book 'Bats at the Library' by Brian Lies," Urquhart said. "Officer Caine then gently moved the bat into a box and closed the lid quickly."

How the bat broke into the library for a nap is still a mystery. In some libraries in Portugal, bats are even welcome guests, consuming pests that might otherwise feed on old manuscripts.



However, the Camas Public Library didn't n7eed the little bat's exterminator services, and he was released back into the wild at the nearby Steigerwald Lake National Wildlife Refuge.

For staff, this is one of many animal sightings in and around the suburban library, where they've had squirrels in the Storytime room, bats on the bookshelves, early morning visits from deer waiting for them to open, cats, bunnies and more. The library is open to all, happy to share the joy of reading with whomever stops by for a visit.

"We live in a wacky and wonderful small town," Urquhart said.

ANNOUNCEMENTS

*No trips planned at the present time.

*Next meeting may be Friday Sept. 9, 2022 on Google Meet. Becky will send out invitations.

WHITE-NOSE SYNDROME DECONTAMINATION PROTOCOL, October 2020

This is the latest formal revision of the national decontamination protocol to prevent spread of the fungus that causes white-nose syndrome. This document is the product of a collaborative effort with multiple federal and state agencies and several non-governmental organizations. Go to this website to view the detailed suggestions listed to help stop the spreading of WNS
https://www.whitenosesyndrome.org/static-page/decontamination-information

Wildlife Health Bulletin 2022-01
National Wildlife Health Center
Jonathan Sleeman, Center Director
January 31, 2022

Winter 2021/2022 Bat Submission Guidelines and Highlights of the 202/2021 White-Nose Syndrome Surveillance Season

Summary

The USGS National Wildlife Health Center has released updated guidance for bat diagnostic submissions for the 2021/2022 white-nose syndrome (WNS) surveillance season. During the 2020/2021 surveillance season, WNS was detected for the first time in Wyoming and Montana, increasing the number of states where WNS has been confirmed to 37.

Field testing of several vaccine candidates to prevent WNS in susceptible bat species is ongoing, and field vaccination has proven to be safe in WNS susceptible animals. Updated guidance from the USGS National Wildlife Health Center (NWHC) is now available for bat diagnostic submissions for the 2021/2022 white-nose syndrome (WNS) surveillance season. These guidelines are posted on the NWHC WNS web page and replace all previous NWHC bat submission criteria.

MINUTES

CENTRAL OKLAHOMA GROTTO MEETING
MAY 13, 2022
In attendance: meeting facilitator; Dale Amlee, Duane Del Vecchio, Sue Bozeman, Becky Hunsinger, John Talbot, Duane Del Vecchio, Lil Town, John, Tammy, and Andrew Van Dyke, and Steve Beleu

Presiding: Assistant Emperor Dale Amlee
Start time: 8:22

OLD BUSINESS –
Sue reviewed the materials that she has for publication, then encouraged contributors who have yet to send her the material they agreed to provide. No one was hurt. Yet.

NEW BUSINESS –
1. I mentioned stupidly that there is no reason why we couldn't conduct our virtual meetings in July and August. Then I was reminded of the problems that this creates for our newsletter. We took no action on this idea, which I withdrew.
2. Becky reported that Mexican Free Tailed bats have returned to the caves in Bandelier National Monument.
3. We nominated Tammy Van Dyke to be a COG member and voted her in. Welcome!
4. We voted to donate $100 to Cave Sim.
5. We voted to suspend membership dues for the nonce. When we return to actual caving we will reinstate them. Sue hopes that we can return to caving in July.
6. Duane told us about new technology consisting of a smart microphone that can analyze the calls of bats and provide intel about what that bat/s that uttered the call is. He noted that one use of it can be to record within an area for some-odd minutes, then have it analyze the calls to provide a survey of bats in that area.
7. Duane noted that he is no longer the moderator for the COG Facebook web page. Tammy volunteered to step into his place, hooray and thanks!

TREASURER'S REPORT – John Talbot read his report which noted that we made several cents that month. Very good that; many people believe that we have no cents.

Meeting ended 9:18
Report by S. Beleu, Secretary and Sergeant at Underarms

TREASURER'S REPORT

JUNE 2022 TREASURERS'S REPORT

INCOME		**EXPENSPES**	
Dividends	$ 0.02		
Donation			$ 100.00
TOTAL	**$ 0.02**		**$ 100.00**
CASH	$ 106.05		
CHECKING	$ 455.35		
SAVINGS	$ 1,432.81		
TOTAL	**$ 1,994.21**		

6/7/2022

PREPARED BY TREASURER
JOHN TALBOY NSS #30254

TRIP REPORTS

NO TRIP REPORTS THIS MONTH

POTPOURI

Stalagmites trace climate history and impact from volcanic eruptions

March 9, 2022
Source University of Göttingen
http://www.sciencedaily.com/releases/2022/03/220309131853.hml

The soils and ve getation of Patagonia's fjord regions form a unique and highly sensitive ecosystem that is closely linked to marine ecosystems, sediment deposition and carbon storage in the ocean. A research team, including the University of Göttingen, has been working on reconstructing the climate history of this region in this extremely wet, rainy and inaccessible fjord and island zone of the Patagonian Andes in southern Chile. Due to its location, the area is a key region for understanding the history of the southern westerly wind belt within the global climate system. The results were published in the journal *Nature Communications Earth & Environment*.

The research, in collaboration with the University of Trier, is based on extensive soil analyses and, above all, the detailed geochemical analyses of a stalagmite that is around 4,500 years old, which was recovered from an almost inaccessible cave. "This stalagmite is the southernmost limestone deposit of its kind ever found," says Professor Gerhard Wörner of the Geoscience Center at Göttingen University.

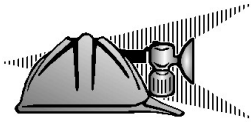
"Its fine and detailed stratification enables us to document the chemical composition of the stalagmite at high temporal resolution." Since the stalagmite formed over a long time from surface waters that seeped into the cave, this geological "archive" makes it possible to reconstruct the climate-driven chemical processes in the peaty soils at the Earth's surface above the cave.

It turns out that the transport of chemical compounds from the peatlands to the fjords in southern

Patagonian fjords are particularly closely coupled with natural processes in the delicate soil ecosystems, which react highly sensitively to climate fluctuations and the input of volcanic ash from nearby active volcanoes. "It was a surprise to discover actual remnants of volcanic dust from eruptions of nearby volcanoes in the soil. In fact, tiny volcanic particles were detected embedded in the stalagmite from the cave," Wörner explains. The effect of volcanic depositions can also be documented from geochemical anomalies in the stalagmite -- such as the high presence of sulphur -- and can even be attributed to individual volcanic eruptions by dating the stalagmite layers. These volcanic deposits are of fundamental importance for the chemical processes in the peatlands of Patagonia and have a particularly strong effect under the influence of the extreme precipitation in the region. "These effects range from substantial destruction of vegetation after large eruptions to a possible fertilizing effect on the ocean as a result of nutrients released after smaller eruptions," Wörner adds.

Central Oklahoma Grotto is a non-profit organization and a chapter of the NSS (National Speleological Society), 6001 Pulaski Pike, Huntsville, AL, 35810-1122 USA. Phone (256)852-1300. Dedicated to cave conservation and safety, C.O.G. publishes general information in a monthly newsletter ($6.00/year) and detailed cave surveys and related Speleological items in a yearly publication, *The Oklahoma Underground* ($3-$8/issue) Membership is by sponsor and is $12 per year for adults, $6 for spouses and students, and $3 if under 18. Central Oklahoma Grotto meets once a month on the second Friday of each month. For information, write Lil Town, 25692 Mosier Circle, Conifer, CO 80433: All submissions to the newsletter should be sent to the editor: Lil Town, 25692 Mosier Circle, Conifer, CO 80433: Telephone: (580)471-1238: E-mail: cavemoose@gmail.com. The deadline for submissions for any particular month's issue is the 20th day of the previous month. If you wish material returned, please include an SASE with submission. All materials in this newsletter are available for reproduction, provided proper credit is given with the article when you print it. Trade publications are welcomed. *Cave softly and safely!* Website: http://www.okcavers.com

Friday
June 10, 2022
There will be a virtual meeting.
See you online!



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