

Keep your eyes open and your helmet on when you're 40 stories underground.



DOLPHIN DISCOVERIES!

SCOUTS IN ACTION!

PLUS COMICS, JOKES AND MUCH MORE!

FEATURES



Dolphin Discoveries

People are researching dolphins worldwide. Here are some of the latest discoveries.



GEAR GUY:

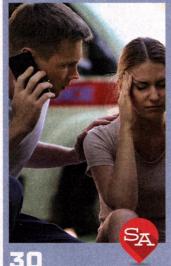
Hanging Out in Camp

Gear Guy shares hammock camping essentials.



Time of Your Life

Get ready for summer camp! Make plans to visit one of these exciting Scout camps.



SCOUTING AROUND: First Aid

If you come upon an emergency and call 911, take note of certain details that could help first responders better react to the situation.

Merit Badge Minute

Engineering, Leatherwork, American Cultures





FICTION:

The King of Mazy May



Hammer Time

A camp introduces teens to skilled trades and the BSA's Exploring program.



HOW TO MAKE IT:

Paper Fortune Teller

DEPARTMENTS

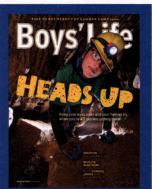
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COMICS

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- **MORE SIA**





Nicholas Schade, from Troop 264 in Olney, Maryland, crawls through a narrow passage in Laurel Caverns, Pennsylvania's largest cave.

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NDERGROUND

Connor Pugh makes it through one of the cavern's many tight squeezes.

BY AARON DERR PHOTOGRAPHS BY CHRIS HIGGINS Vishal Chinthalapale stays alert as he makes his way down the underground trail. CAN THESE EXPLORERS KEEP COOL WHEN he group of Scouts and Venturers from Olney, THEIR EYES PLAY TRICKS Maryland, can't believe their eyes. ON THEM AND After making their way deep underground through a cave called THEIR HEADLAMPS Laurel Caverns, they had just seen a golf ball roll uphill. Was the lack of light playing tricks on GO OUT? their eyes? Does the Earth's magnetic field somehow work differently down below? Can we no longer trust gravity? CONTINUED >

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As it turns out, the group learned, it was an optical illusion. Basically, when you can't see the horizon, it's very difficult for your brain to tell if the ground is straight or sloped. It might have looked like the golf ball was rolling uphill, but in reality, the entire cave was slanted, meaning the ball was rolling downhill, just like it should.

The point was this: Wild caves are exciting, but you have to stay aware of your surroundings. Wear a helmet. Bring extra sources of light. Be Prepared to get dirty.

With great adventure comes great responsibility, especially when you're more than 40 stories deep.

HEADING UNDERGROUND

Part of Laurel Caverns, located in Farmington, Pennsylvania, is easy to explore. It's well-lit and easy to walk through, and any member of the public of any age can show up for a guided tour.

The Scouts of Troop 264 and the Venturers of Crew 264, however, didn't drive all the way from Maryland to be tourists. They made the trip for the spelunking: the exploration of wild caves.

As you get deeper underground at Laurel Caverns, things get tricky. Off the path of the guided tour is a maze of dark passages. Below that, there are huge rooms with no installed lighting and no handrails. And even deeper than that is around 1 mile of corridors that goes all the way to the bottom of Chestnut Ridge.

That's what this group came for.

"It's sort of like a mystery trail," 17-year-old Venturer Kira Wisner says. "You just never know what you're going to go through next. Are you going to go through the water? Are you going to have to crawl?"

Actually, they did both.

ADVENTURE LIES AHEAD

Wearing quick-dry clothing under rain gear, the group squeezed through some passages so tight that it made them wonder for a second how any person could get through. Then they'd slip past an underground waterfall and walk through an underground room with a 40-foot ceiling before sliding through another crack in the wall, this time with a small stream of water underneath them.

The younger Scouts BSA members on the trip were restricted to the Upper Cave. It's more difficult than the tourist area, but it's easier to get around than the Lower Cave, while also still featuring plenty of excitement.

"There were some parts that were open and some parts that were tight," says Owen Farris, 11. "I liked going into the tight areas, because it was a challenge."

LIGHT IT UP

BSA caving rules require underground explorers to carry three sources of light — all the better to Be Prepared in case of dead batteries or bad light bulbs. It's really, really dark down there, and if your headlamp goes out, you don't want to be left in the dark for too long.

"The emergency training actually came in handy for me,

Kira Wisner is ready to enter one of the cave's tighter crawl spaces.

