

FEATURES

Nature in the City
Some wild new neighbors are moving into cities and suburbs across Missouri.

Fantastic Feet 10

The far-out feats of these funky feet just can't be beat.

DEPARTMENTS

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Stars twinkle above Caney Mountain Conservation Area. i by David Stonner





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ON THE COVER

Green Treefrog
by Noppadol Paothong

5

DON'TMISS THE CHANCE TO DISCOVER NATURE AT THESE FUN EVENTS

Learn about early
Missouri hunting at
ATLATLS AND
ARCHERY: PRIMITIVE
HUNTING IN
MISSOURI.

Central Regional Office in Columbia. March 7, 9 a.m.–3 p.m. Register at 573-815-7900.

With a compass, find true north at ORIENTEERING:
QUEST FOR LEPRECHAUM
GOLD. Cape Girardeau
Conservation Nature

Center. March 7, 10–11:30 a.m. Youth must be accompanied by an adult. For more information, call 573-290-5218.

Six-lined

With winter almost gone and spring right around the corner, there's plenty to discover outside in March and April. Watch for these natural events around the following dates.

MARCHI

Ducks and geese migrate north through mid-April.

MARCH 14

Wild turkeys gobble through early May.

MARCH 16

Spring peeper calling is at its peak.

APRIL 4

Total lunar eclipse occurs.

APRIL 18

Whip-poor-wills begin calling.

APRIL 20

Look for flowering dogwood trees.

APRIL 23

Turtles crossing roads. Watch out!



CREATURE FEATURE:
REPTILES ROCK. Northeast
Regional Office in Kirksville.
March 25, 3:30–4:30 p.m.
Youth must be

Meet Missouri's lizards at

accompanied by an adult. For more information, call 660-785-2420.

Talk turkey at

INTRODUCTION TO TURKEY HUNTING.

Wildcat Glades
Conservation &
Audubon Center
in Joplin. April 1,
6–9 p.m. Youth
must be
accompanied by
an adult. Register
at 417-629-3423.

3...

Bag some bull's-eye basics at **BESINNING ARCHERY**.

Jay Henges Shooting Range in High Ridge. April 21, 6–7:30 p.m. Youth must be accompanied by an adult. Advance registration required. Call 636-938-9548.

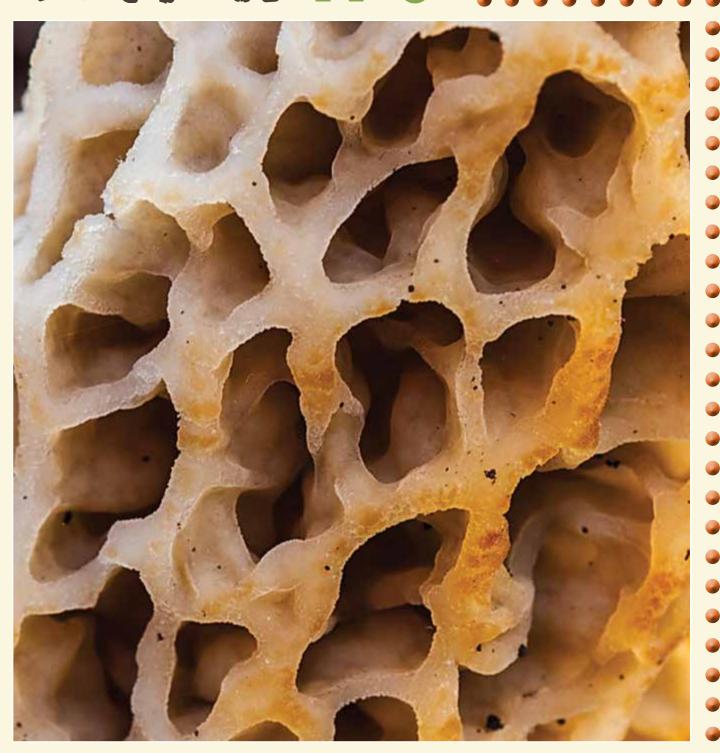
Looking for more ways to have fun outside? Find out about
Discover Nature programs in your area at xplormo.org/node/2616.

wild turkeys

WHATIS?

DON'T KNOW?

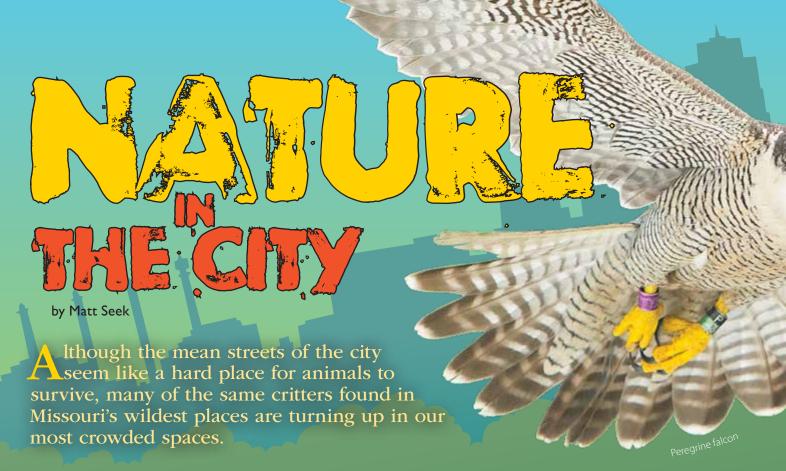
Jump to Page 20 to find out.



- **1** Looking for my spores is never a bore.
- 2 Watch your toes that's down where I like to grow.
- 3 I pop up after a warm spring rain.
- 4 People squeal when they see me because I'm a "fun guy."







SiouxZee and Coal are like most suburban parents. They own a cozy home with a spectacular view and a nice-sized backyard. It's a short commute from downtown St. Louis and a safe place to raise their growing family. Both parents work hard to put pigeons on the table.

Pigeons?

Yep. SiouxZee and Coal are peregrine falcons, the fastest birds in the sky, capable of feather-whipping dives approaching 200 miles per hour. And like peregrines in Kansas City, Springfield, and Jefferson City, they've traded the cliffs they normally nest on for skyscrapers and other buildings.

Forty years ago, peregrines were in danger of disappearing, with fewer than 50 nesting pairs in the United States. When biologists released falcons in wild places to try to boost their numbers, predators such as great horned owls took a heavy toll. But peregrines released in cities seemed to do just fine. Cities contained fewer predators, skyscrapers were as easy to nest on as cliffs, and the streets were chock-full of pigeons and starlings to eat. Now, peregrine numbers have rebounded, and the majestic birds regularly nest atop skyscrapers in downtown Kansas City, an energy plant near St. Louis, and the Capitol dome in Jefferson City.





The Show-Me State's cities have large parks, lots of green space, and neighborhoods lush with trees. These areas offer surprisingly good habitat for wild critters to make their homes, raise their babies, and find food to eat.

For years, western kingbirds have nested atop the lights of Kauffman Stadium in Kansas City while the Royals play baseball below. Wild turkeys have been spotted strutting on front lawns and weaving in and out of parked cars near the Plaza in Kansas City and in the busy Central West End neighborhood of St. Louis. And, more than 200 kinds of birds have been recorded in St. Louis's Forest Park, including white pelicans, trumpeter swans, and bald eagles.



Boturtle

Give Turtles a Brake

In the springtime, box turtles awake from a long winter sleep and begin crawling around to look for mates and places to lay eggs. Many turtles cross busy city streets in their quest. Though their tough shells shield them from predators, they're no match for vehicles that weigh more than a ton. Help your parents watch the road for turtles, especially in April and May. If there's no traffic, you can stop and gently help a turtle to the other side of the road.



Here are a few ways to get along with your wild neighbors.

- Place trash in a can that has a tight, locking lid.
 This will make it tough for raccoons and opossums to find a free meal.
- Feed your pets indoors.
 Leaving pet food outside is an invitation for unwelcome dinner guests.
- Keep your kitty inside.
 Biologists estimate that house cats kill 2.4 billion birds in the United States every year.
- Leave baby birds, newborn rabbits, and small fawns where you find them. They aren't abandoned. Mom is probably nearby and may not come back until you leave.
- If your wild neighbors are causing problems, call your local Conservation Department office for help.

City Critters

It isn't just feathered creatures who are making their homes in cities. Deer, raccoons, and opossums are a regular sight in most urban areas, and more surprising four-legged fur balls are turning up as well. In many places, when poodles and golden retrievers leave the dog park at the end of the day, their wild cousins come out to play. The yipping of coyotes is commonly heard in many metro areas after dark, and red and gray foxes are regularly seen trotting across city parks and suburban backyards at dusk. For the past few years, a pair of red foxes has raised their pups mere blocks from Columbia's busy mall. Mink regularly patrol the waterways of Forest Park, and bobcats are occasionally seen snoozing in trees above biking trails in Columbia, Jefferson City, and Springfield. These urban predators stay mostly out of sight and earn their keep by eating rats, mice, and other pests.





by Brett Dufur artwork by David Besenger Think feet stink? Then read on. Feet are fantastic. Feet help us get where we need to go. You probably even know someone who can scratch their nose The beaver is a sleek swimmer with a toe! Humans thanks to powerful, webbed back aren't the only ones feet. It can swim as fast as you walk. with fantastic feet. Fancy Dinner stuck in your teeth? Not a feet make many animals problem if you're a beaver. Beavers amazing, too. When you're have a special double toenail on each back foot that serves as a handy outside, there are fantastic feet toothpick when they get wood splinters all around you — high in the stuck in their teeth. The double toenail sky and even deep underground. also helps them groom to keep their coat well oiled and water repellent.









The eastern gray squirrel spends much of its time in tree branches and often scampers to the ground to gather or bury food. The squirrel has sharp claws for holding onto tree bark and acorns. Its back feet can turn backward and hold on tight — perfect for sprinting down a tree trunk headfirst or hanging from a local bird feeder.



Monarchs, like many other butterflies, have "tongues" on their toes — they can taste with their feet. Aren't you glad you can't taste your two-day-old tube socks? Whew! When monarchs land on flowers or plants, they instantly know if the plants have nectar or are good places to lay eggs. Having tongues on their toes is more than just tongue-talizing trivia, it helps mother butterflies make sure their babies start out with a full-meal deal.







BATS are

YOUR GUIDE TO ALL THE INCUSUAL. UNIQUE AND UMBELIEVABLE
THAT GOES ON IN NATURE

the only mammals that can truly fly. But to stay up, bats must stay slimmed down. An Indiana bat, for example, has a wingspan of nearly a foot, but the furry bug muncher weighs less than two nickels.

> MAYFLIES spend most of their lives underwater. When they turn into adults, they float to the surface, sprout wings, and fly away. But adult mayflies don't have working mouthparts. Because they can't eat or drink, they usually die within 24 hours.

Female MAP TURTLES are larger than males and have wider, stronger jaws that

are perfect for crushing clams, mussels, and large snails. Males, because of their weaker jaws, stick to softer foods such as crayfish, aquatic

insects, and small snails.



WILD TURKEYS don't like to swim — heck, they prefer not to fly — but when pressed, they can. The big brown birds fold up their wings, fan

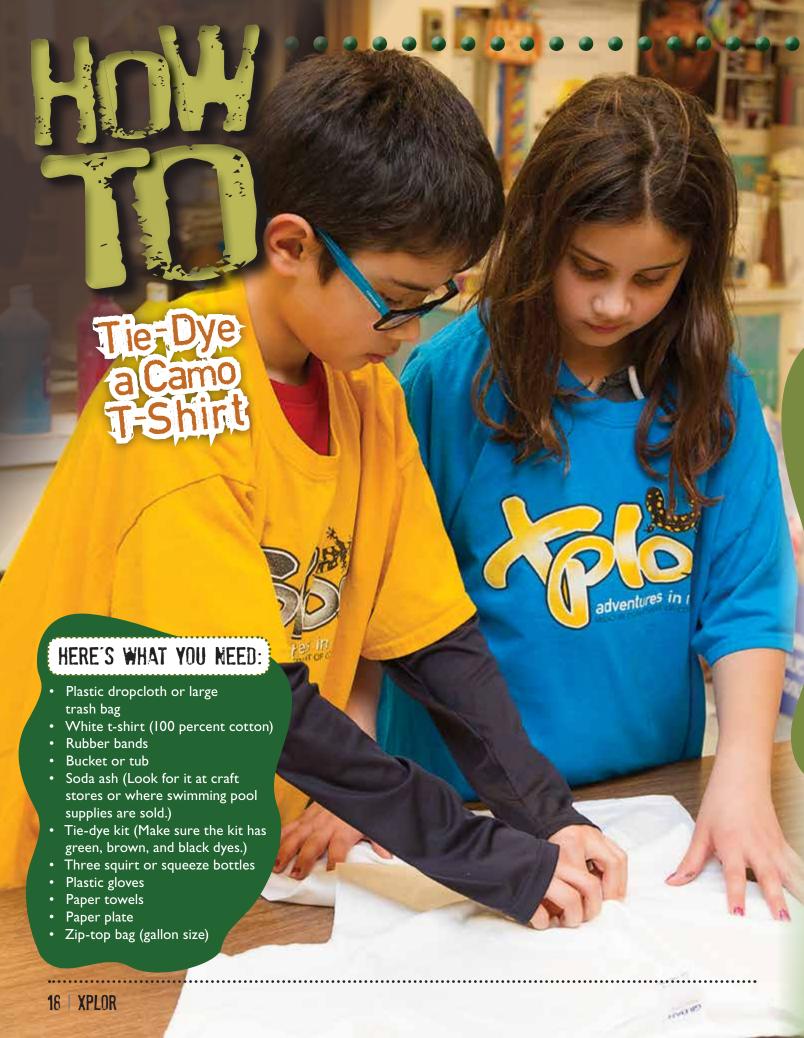
out their tails, stretch out their necks, and kick feverishly with their long legs. IVORY GULLS usually keep company with icebergs and polar bears high in the Arctic. But in January 2015, birdwatchers spotted one of these ice-loving brrrrds for the first time in Missouri, hanging out on the Mississippi River north of Hannibal.

When threatened, ZEBRA SWALLOWTAIL CATERPILLARS wave a

yellow, forked organ called an osmeterium (oz-muh-tearee-um). The organ is coated with a stinky liquid that ants and spiders find disgusting.



The bigger they are, the harder they call. To make their namesake calls, male SPRING PEPPERS inflate their throats and let the air squeak out. When fully inflated, the throat on this thumbsized frog can be nearly as big as the rest of its body!



HERE'S WHAT YOU DO:

Put on old clothes and place a plastic dropcloth over your work space.

Remember: Dye will stain whatever it touches, including your skin.

Lay your t-shirt flat on a table. Starting in the middle of the shirt, scrunch up the fabric until you've made a flat, round bundle with lots of wrinkles.



Put lots of rubber bands around the bundle to hold it tightly together.



In a clean bucket, mix half a cup of soda ash with a gallon of warm water. Soak your bundled-up shirt in the water for an hour. While it's soaking, mix up the dye according to the kit's directions. Fill each of the squirt bottles with a different color.

Put on plastic gloves and remove your shirt from the soda ash water. Lay the bundle flat and push out as much water as you can.



Stack 10 paper towels on a paper plate. Place the bundle on the towels. Using the squirt bottles, soak the top third of the bundle with green dye, the middle third with brown dye, and the lower third with black dye. Flip the bundle over and do the same thing on the other side. Make sure dye soaks into the shirt or you'll have lots of white areas.



Put the bundle in a zip-top bag and leave it there for 24 hours.

Take off the rubber bands and rinse the shirt in cold water until no more dye flows out. For the brightest colors, let the shirt dry in the sun. Then wash it by itself in cold water using a normal laundry detergent. Run it through the dryer, and it's ready to wear.



MARCH/APRIL 2015 [19





In spring, mouth-watering morel mushrooms start popping up on forest floors throughout Missouri. So head to the woods for some fungi fun! Scout the forest floor carefully — morels are only 3

to 4 inches tall. Morels are easy to ID. With an adult's help, morels are easy to cook and are delicious. Get hunting and ID tips at mdc.mo.gov/node/3397. Watch a fun morel-hunting video at mdc.mo.gov/node/10277





According to the dictionary, a "boondoggle" is a useless project or activity — in other words, a waste of time. Some people might think wandering through the woods in search of wildflowers is a boondoggle, but we think it's the perfect way to spend a sunny spring day.

How many of these woodland flowers can you find?

















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FREE TO MISSOURI HOUSEHOLDS



When you hear the *guank, guank* call of the green treefrog, it sounds a lot like a duck. A chorus of green treefrogs can sound like Canada geese. Look for these thumb-sized, Kermit-green frogs with their vivid white stripes in bottomlands, swamps, and marshes in southeast Missouri. They spend most of the day resting, hidden among plants. At night, they hunt for insects.