

TULSA'S CHANNEL 8 **Broken Arrow**
 **47°**
 Few Clouds
 8-Day Forecast | Video | Hourly Temps

Tom Hundley
HEATING & COOLING
 COMPANY



Residential • Commercial • Industrial
918.455.5993
 GET A FREE ESTIMATE NOW!

Tom Hundley
HEATING & COOLING
 COMPANY
 Residential • Commercial • Industrial

Welcome back, PRO Logout | My Dashboard

Home Digital Paper



Friday, March 20, 2015

Broken Arrow Ledger 11

BUGS: The janitors of the world

By **Jo-Ann Jennings**
Staff Writer
joj@baledger.com

Entomologist Dr. Andrine Shufran, Oklahoma State University extension, had many surprises for the children attending Insect Adventure Tuesday at Broken Arrow Library South.

There are many entomologists working at OSU she said and thousands more working around the world studying one group of animal – bugs.

“What is so important about this type of animal?” Shufran asked.

Although no one has seen a bug with a broom and dust pan, Shufran called them the janitors which keep the world clean so people can live and be happy.

- And:
- Bugs are food for almost all the animals in the world.
 - People eat bugs every day in their food – yes, including their peanut butter, chocolate and bread.
 - Bugs are food for both animals and plants.
 - Bugs are more nutritious than meat.
 - With pollination bugs help us grow food.
 - When bugs find a dead animal, they eat it and poop out soil. That's where dirt comes from.

larger than they do in the U.S. They have 10 legs when they're born and 10 when they die. They never grow any more. They also have gills.

“What makes a bug a bug?” asked one child.

“Bugs have legs,” Shufran said, “and they have exoskeletons, bones on the outside of their bodies. Their insides are like vegetable soup, just a big mess.”

Going by the definition,



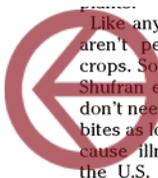
1. Millipedes may be big, but are slow. Every time they shed their skin, they grow more legs. The most legs a millipede is known to have was 764. It only lived four years. **2.** There are more colors of bugs than we have ever imagined — including pinks, greens, reds and purples. **3.** Many groups of bugs grow larger around the world than we are used to seeing them in the U.S. **4.** Mommy's excited about the roly poly's, too. **5.** Touch, but be kind when petting, and don't frighten others. **6.** Children were quick to raise their hands not just to ask questions, but to offer some excellent answers.



shrimp, crabs, and lobsters are also bugs. Snails aren't; they have a shell but no legs!

Shufran had more information for telling, showing and touching than could fit into one news story,





Like anything else, bugs aren't perfect. They eat crops. Some of them bite. Shufran explained people don't need to worry about bites as long as they don't cause illness. No one in the U.S. has every died from a centipede, fiddle back spider or tarantula bite. The two to be concerned about are ticks and mosquitoes.

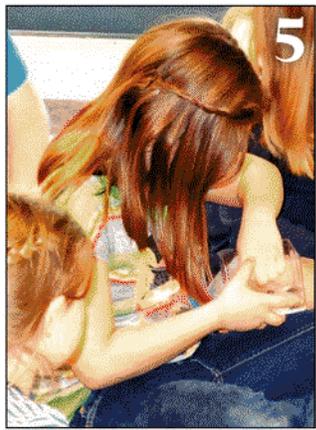
"They throw up in your skin," Shufran said.

Starting with what might be the most popular bug of all, Shufran got out the roly polys. Most people know them for their ability to roll into perfect little balls. According to Shufran, roly polys come in bright colors all over the world, even OSU orange, and they grow much

using the power. Every kind of bug is different. The type is determined by the wings.

Those with antenna use them to smell, hear, feel and taste. Centipedes eat meat, so they have teeth. People only get bitten when they bother the centipedes. All spiders make webs, not necessarily the same kind. Webs are so strong they are used in making bullet-proof vests.

And yes, spiders come in all colors, including Shufran's favorite, a spider in Mexico that's orange and black. Insect Adventure is open by appointment in addition to regular hours. To set up an appointment, contact Andrine Shufran by email andrine@okstate.edu or at 405-744-7755.



jo-ann jennings Photos



PayPal helps win customers.

PayPal transactions can have a 70% higher online checkout conversion.

Source: Q3 2013 Nielsen Buyer Insights study of 22 large PayPal merchants across 7 categories.

Learn more

SUBMIT YOUR CLASSIFIED ADS ONLINE! AdOWL CLICK HERE

Sections

- Home
- News
- Sports
- Obituaries
- Online Features
- Classifieds
- Place An Ad

Services

- About Us
- Privacy Policy
- Terms of Service
- Contact Us
- FAQ
- Advertise
- Rack Locations
- Subscribe
- Submit Form

Contact us

Broken Arrow Ledger - Broken Arrow, Oklahoma
 Phone number: (918) 259-7500
 E-mail: news@baledger.com
sports@baledger.com
 Address: 524 S. Main Street
 Broken Arrow, OK 74012

Other Neighbor News Sites

- Coweta American
- Owasso Reporter
- Sand Springs Leader
- Skiatook Journal
- Tulsa Business & Legal News
- Wagoner Tribune

