В

The knotty problem of what infects the newt

It could be (ugh) blood-sucking leeches.

fungus-like parasite has been found in several kinds of North American amphibians, including bullfrogs and the red-spotted newt. But scientists couldn't explain how they were getting infected.

Now, some Pennsylvania State University biologists think they have the answer, at least for the newts — and it is not for the squeamish:

Blood-sucking leeches. The researchers can't prove it

directly, but the leeches appear to be carrying the parasite from

their with bites.

They cited several lines of evidence in a recent issue of the Journal of Parasitology, after studying newt populations in 16 lakes ponds in central Pennsylvania. First, the

THOMAS RAFFEL Pennsylvania State

The newt is being bitten by a leech and could become infected by a parasite.

that the team found in a particular pond, the more likely the newts in that pond were to show signs of infec-

more leeches

tion — swelling and clusters of small black dots on the skin.

Also, signs of infection were concentrated on the body parts most likely to be bitten by leeches, such as the head and throat. And infections were observed growing out of the telltale spots of blood under the skin, left behind by leech bites.

The infection doesn't seem to kill the newts, but it does appear to stop them from breeding, according to Penn State's Thomas Raffel, the study's lead author. Similar infections have been linked to deaths in other amphibians, a class of animals that is in worldwide decline.

Raffel concedes that the subiect of his research is likely to disgust some, but notes that the newt-loving leech is not the same kind that feeds on people.

"I don't worry about them at all," Raffel says. "The first couple times I handled the leeches, I was kind of like 'eecchh!' But you kind of get used to it."



HEALTH & SCIENCE

Personal Health: Can loneliness lead to Alzheimer's? **F2.**

ARTS & **ENTERTAINMENT**

Missing spark:

Dancefusion show never took off. **F5.**

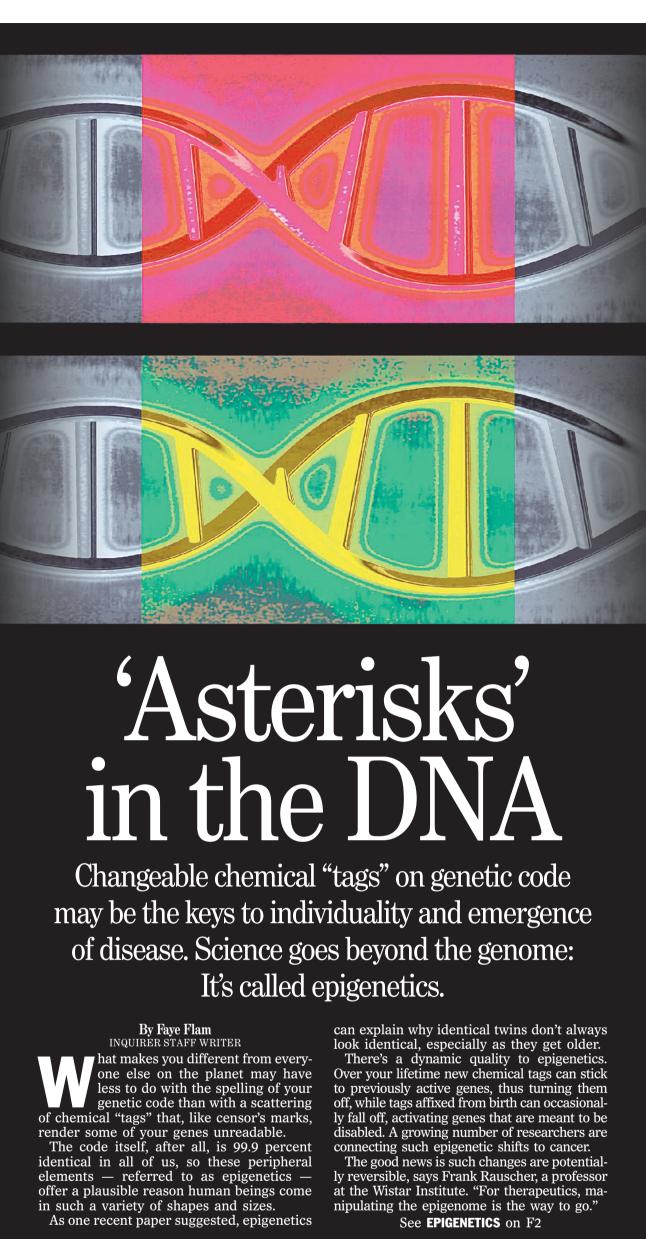
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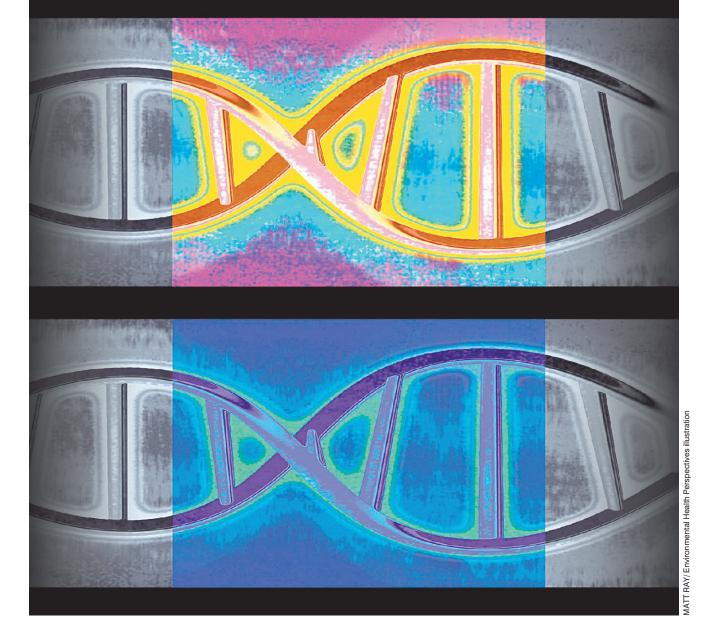
Hoboken rock trio remains edgy. F12.

Comics Lovers, Vote!

The results for the final pair of entries in the first round of voting: "Pickles" 1,837, "Zippy the Pinhead" 806.

As the highest vote getter overall, "Pickles" will move on to the final round later this month, where it will face the highest vote getter between "Pajama Diaries" and "Sherman's Lagoon." See Page 10.





An eye on the sky, beguiled as always

y standard measures, this has been an uneventful winter until now, stingy with snow, ice and drama.

So much for standard measures.

For true weather connoisseurs, this has been a fascinating winter, one that has underscored nature's elusiveness. On

a personal level, it has done nothing but solidify a lifelong passion for weather not that it was ever wavering. Recall that in the fall the

Anthony consensus was R. Wood that winter Weather would be full or Not

of cold, storms and adventure. No one foresaw the incredible warmth of December and the first half of January, nor that it would be so utterly snow-less in so much of the country, nor that we would have to wait until Valentine's Day to get even a decent

Winter thus has been a worthy sequel to a quiet and puzzling hurricane season. See **WEATHER** on F2

philly@com

For the latest on the snow threat and why the snow may not stick around long, visit Wood's new daily blog, at http://go.philly.com/weatherornot



Could your scent affect your sex life?

Smell and satisfaction just might be linked.

t's unlikely you'll ever see a warning on your birth control pill or your deodorant that says "may cause bad relationship choices." And yet several scientists worry that these staples of modern life could interfere with an

elemental mammalian system we use to sniff out genetically compatible mates. The latest

work goes so far as to suggest that tampering with this system could lead to a dismal sex life



or even a cheating heart.

The links connecting hormonal contraceptives, smell and sexual happiness come from different studies, some of them small. Whether you care to worry about such things may depend on whether you think technology should be considered innocent until proven guilty, or the other way around.

The first piece in the puzzle See **SCENT** on F3