

# ***SCIENCE NEWS***

## CONTENIDO

VOLUME 179 No. 5, FEBRUARY 2011

### IN THE NEWS

- 5      **Story One.**  
▪ *Homo sapiens* may have left Africa earlier than thought.
- 8      **Environment.**  
▪ Tackling the dynamics of a disturbed ecosystem.  
  
▪ Oil dispersants lingered in Gulf of Mexico.  
  
▪ Amoebas out of the faucet.  
  
▪ Himalaya ice not all melting.
- 10     **Body & Brain.**  
▪ Adding touch helps prosthetic limbs feel more real.  
  
▪ Assessing global longevity.  
  
▪ Building better blood vessels.  
  
▪ Flu shot worry dismissed.
- 12     **Matter & Energy.**  
▪ X-rays spotlight molecules.  
  
▪ A bigger invisibility cloak.
- 14     **Life.**  
▪ Ants go clonal for success.  
  
▪ Genomes for ant trio.  
  
▪ Pigeons' nostril preference.
- 15     **Humans.**  
▪ Oxytocin not always warm and fuzzy.  
  
▪ Fishy: more than a metaphor.  
  
▪ Tracking marital woes.

- 16 **Genes & Cells.**
- Genes show how a wily strain of pneumonia evades attack.
  - Heart cells made from skin.

- 18 **Atom & Cosmos.**
- Old stars hang on.
  - Kepler spots more than 1,200 possible new exoplanets.

## FEATURES

- 20 **Rivers in the Sky.**  
Atmospheric bands of water vapor, discovered just over a decade ago, play a big role in the planet's water cycle — delivering as much precipitation as landfalling hurricanes.  
*Alexandra Witze.*

- 22 **Cerebral Delights.**  
COVER STORY: A brain structure known as the amygdala is tuned to fear, but also perks up when good things come your way.  
*Susan Gaidos.*

- 26 **Brain Boosters.**  
Dietary supplements claim to offer a cognitive zip, improving performance on mental tasks. Now researchers are testing whether the science lives up to the hype.  
*Janet Raloff.*

## DEPARTMENTS

- 2 **From the Editor**

- 4 **Notebook**

- 30 **Bookshelf**

- 31 **Feedback**

- 32 **Comment**  
Medical chemist David Nichols shares his tale of good research put to dangerous.

## COVER

Studies of the brain's amygdala are revealing more about how people value and obtain rewards — whether sweets, comfort or love.  
*Michael Morgenstern.*