

SCIENCE NEWS

CONTENIDO

VOLUME 180 No. 4, AUGUST 2011

IN THE NEWS

- 5 **Story One.**
▪ Human and natural forces briefly stall global warming.
- 8 **Body & Brain.**
▪ Unusual lung problem found in some returning soldiers.

▪ Brain can be flexible when it comes to mirroring actions.

▪ The math of HIV treatment.
- 10 **Life.**
▪ Interspecies mating spread poison resistance in mice.

▪ Lion attack after full moon.

▪ Chief baboons face high stress.

▪ Lizard flip lids for food.
- 12 **Matter & Energy.**
▪ Quantum math gets physical foundation.

▪ Time cloak hides events.
- 14 **Earth.**
▪ Valuable rare earth elements found under the sea.

▪ Some fish fine after BP spill.
- 16 **Humans.**
▪ Narcissists know their vanity.

▪ Chimpanzee picks up on acoustically warped words.
- 17 **Genes & Cells.**
▪ West Africans shuffle genetic deck more than Europeans.

▪ Centenarian study retracted.

▪ Newts regrow eyes like magic.

- 18 **Atom & Cosmos.**
▪ Big Bang residue confirms dark energy.

▪ Saturn's dusty moon.

FEATURES

- 20 **One Problem, Many Paths.**
Genetic networks underlying autism could point to new therapies — even without identifying a clear cause.
Laura Sanders.
- 22 **Water's Edge Ancestors.**
Dining on fish and mollusks may have given Homo species a previously underappreciated mental boost.
Bruce Bower.
- 26 **Carbon Flatland.**
COVER STORY: Graphene, carbon's two-dimensional form, offers a playground for physicists interested in bizarre electronic properties.
Alexandra Witze.

DEPARTMENTS

- 2 **From the Editor**
- 4 **Notebook**
- 30 **Bookshelf**
- 31 **Feedback**
- 32 **From the Archive**
During the space race, U.S. and Soviet teams also engaged in a less-famous contest — to drill down to the boundary between the Earth's crust and mantle.

COVER

During the fabrication of superthin sheets of carbon known as grapheme, flowerlike defects can develop, as shown in this computer simulation.
E. Cockayne and J. Stroscio/NIST.