

SCIENCE NEWS

CONTENIDO

VOLUME 178 No. 7, SEPTEMBER 2010

IN THE NEWS

- 5 **Story One.**
▪ One star. Multiple exoplanets.
- 8 **Molecules.**
▪ On the scent of bird flu in sniffs of duck droppings.

▪ New gel could cut wound-healing time.
- 9 **Genes & Cells.**
▪ Antibiotic-resistant *E. coli* aid weaker neighbors.

▪ Superbug shrugs off massive doses of radiation.
- 10 **Earth.**
▪ Burgess Shale annex yields new trove of fossils.

▪ Possible quick switch for Earth's magnetic field.
- 11 **Matter & Energy**
▪ A quantum minifridge.

▪ Testing string theory via entanglement.
- 12 **Body & Brain.**
▪ Surgery boosts survival in carriers of *BRCA* mutations.

▪ Drugs to fight melanoma.
- 13 **Life**
▪ E. O. Wilson argues for a new view of how ants, bees and others got so social.
- 14 **Humans**
▪ Feasting before the dawn of agriculture.

▪ Iceman's pre-burial trip.

▪ Parents prove better teachers than educational DVDs.

▪ Stimulation may stave off Alzheimer's — temporarily

FEATURES

- 14 **Fire & Ice.**
COVER STORY: The eruption of Eyjafjallajökull in Iceland has researchers curious about the explosive potential of glacier-capped volcanoes.
Alexandra Witze.
- 22 **Rust Never Sleeps.**
A fungal killer that has devastated wheat crops in Africa now threatens the world's breadbasket.
Rachel Ehrenberg.

ESSAY

- 26 **A New View of Gravity**
A wave of recent papers call on entropy and information to help explain the familiar force.
Tom Siegfried.

DEPARTMENTS

- 2 **From the Editor**
- 4 **Notebook**
- 30 **Bookshelf**
- 30 **Feedback**
- 32 **Comment**
William Talman, president of the Federation of American Societies for Experimental Biology, makes a case for more biomedical research money.

COVER

Lava fountains gushed from an exposed Icelandic ridge called Fimmvöróháls in March. By mid-April, the eruption had moved west to Eyhafjallajökull.
Arctic-Images/Corbis