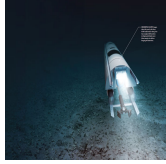


## Features

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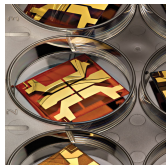
### Life at Hell's Gate

An astonishing discovery is forcing scientists to reconsider whether life can exist in the most extreme places on Earth and in space

Douglas Fox | July 1, 2015 | 1

PLUS: [Discovery: Fish Live beneath Antarctica](#)

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### Outshining Silicon

An upstart material—perovskite—could finally make solar cells that are cheaper and more efficient than the prevailing silicon technology

Varun Sivaram, Samuel D. Stranks and Henry J.

Snaith | July 1, 2015 | 1

PLUS: [Tandem Solar Cell May Boost Electricity from Sunlight](#)

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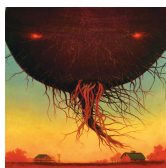
### Mystery of the Hidden Cosmos

The invisible dark matter particles that dominate the universe may come in strange and varied forms

Bogdan A. Dobrescu and Don Lincoln | July 1, 2015 | 15

PLUS: [What if Dark Matter is Stranger Than We Thought? \[Video\]](#)

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### What Doesn't Kill You ...

Chemicals that plants make to ward off pests stimulate nerve cells in ways that may protect the brain against diseases such as Alzheimer's and Parkinson's

Mark P. Mattson | July 1, 2015 | 4

PLUS: [Stress Makes Your Brain Stronger: Try Fasting](#)

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## From Wolf to Dog

## Departments

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50, 100 & 150 YEARS AGO

### 50, 100 & 150 Years Ago

PLUS: [Railways and Mass Transit Move People and Goods, 1915 \[Slide Show\]](#) [Railways and Mass Transit Move People and Goods, 1915](#)

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ADVANCES

### Build-a-Battery

### Blitzkrieg Basics

### Transfusion Solution

### First Impressions

### Poised for Pluto

### Facebook for the Ferocious

### Quick Hits

### Go Big or Go Home

### Dams over the Decades

### Hacking Heats Up

### Sound Check

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ANTI GRAVITY

### Legionnaires' Unease

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FORUM

### Star Wars

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FROM THE EDITOR

### The Shadow Universe

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GRAPHIC SCIENCE



Scientists are racing to solve the enduring mystery of how a large, dangerous carnivore evolved into our best friend

Virginia Morell | July 1, 2015 | 2

PLUS: [What Siberian Burials Reveal about the Relationship between Humans and Dogs](#)

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## The Whole Universe Catalog

Before they die, aging mathematicians are racing to save the Enormous Theorem's proof, all 15,000 pages of it, which divides existence four ways

Stephen Ornes | July 1, 2015 |

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## True Size of Africa

PLUS: [Africa Is Way Bigger Than You Think](#)

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LETTERS TO THE EDITORS

## Letters

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RECOMMENDED

## Predictive Visions

PLUS: [Life in the Solar System: A Q&A with the Authors of \*The Expanse\*](#)

## Aurora

## Persona

## The Only Words That Are Worth Remembering

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SKEPTIC

## Outrageous

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TECHNOFILES

## iResearch Subject

PLUS: [Apple's First 5 Health ResearchKit Apps in Brief](#)

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THE SCIENCE AGENDA

## Why Embryos Should Not Be Off-Limits

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THE SCIENCE OF HEALTH

## Can We Stop Aging?

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