

HOW WILL CHINA  
FEED ITSELF?

WHAT MAKES  
BIRDS SMART

A WILD UTOPIA:  
THE FALKLANDS

# NATIONAL GEOGRAPHIC

THE  
NEW

# BIG BROTHER

In our surveillance  
society, satellites,  
cameras, and phones  
are tracking us  
more than we  
ever imagined



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## FRONT

### FROM THE EDITOR

Why local leaders must tackle global issues: a talk with **Michael Bloomberg**

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## VISIONS

### EXPLORE

Take a tour of cities that are futuristic, frigid, and buzzing; scanned from the sky; and built to sell goods.

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## FEATURES

# 108 | BIRD BRAINIACS

A century ago, scientists believed that birds' brains weren't capable of the higher cognitive functioning found in humans and some other mammals. Now we know better.

By Virginia Morell | Photographs by Charlie Hamilton James



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**On the Cover** More than 1,700 satellites owned by government, academic, and private entities orbit above us. They gather images and other data, broadcast information, and monitor locations and communications.  
*Illustration by Nick Kaloterakis*

**Corrections and Clarifications**  
Go to [natgeo.com/corrections](http://natgeo.com/corrections).

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## 30 | THEY ARE WATCHING YOU

The demand for security is increasing. Monitoring technology is proliferating. The result: We're all under surveillance.

By Robert Draper

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With less than a tenth of the farmland but nearly a fifth of the population in the world, China must reshape its agriculture.

By Tracie McMillan  
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The Falkland Islands have often been contested ground. Today they shelter a dense and diverse population of wildlife.

Story and photographs by Paul Nicklen

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To discourage teen pregnancy, a Colombian program gives high school students babies – very needy robotic ones.

By David Brindley  
Photographs by Christian Rodriguez

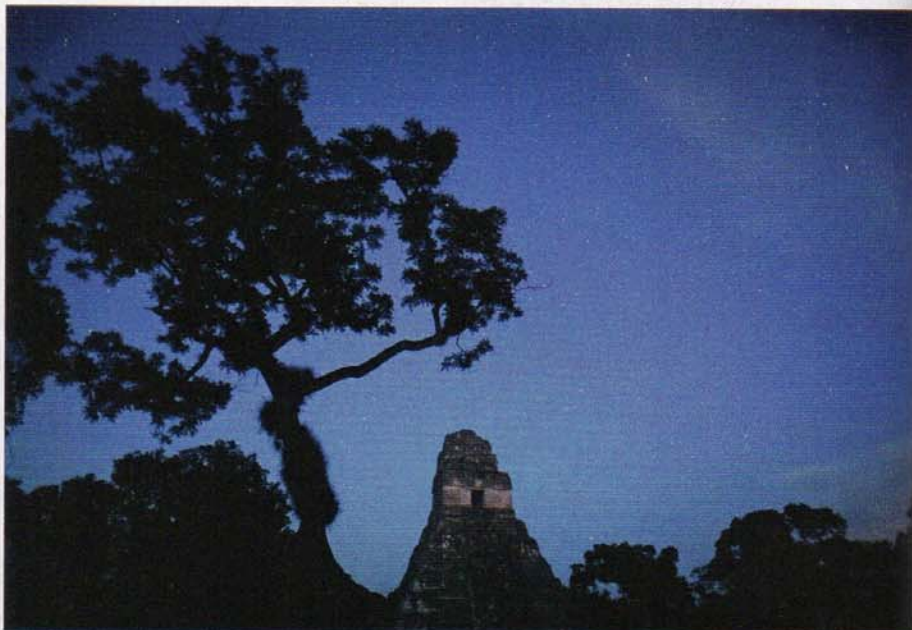
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### ELSEWHERE

#### TELEVISION

### MAPPING THE MAYA WORLD

Though remnants of Maya cities rise imposingly from Central America's jungles (right), a great deal more of the ancient civilization has remained unexplored. Now researchers are changing that. They're employing aerial lidar sensing equipment to create a "treasure map" of the cities and landscapes that the Maya created. See the discoveries that are astounding archaeologists in *Lost Treasures of the Maya*, airing February 6 at 10/9c on National Geographic.



#### NAT GEO WILD

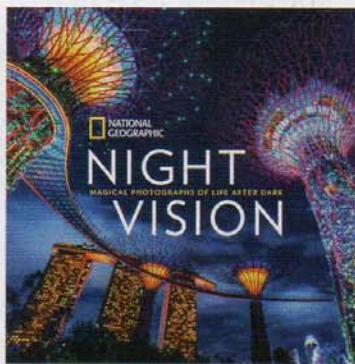
### DOGS DOMINATE, FROM 'BARKFEST' TO WESTMINSTER SHOW

Nat Geo WILD's annual "BarkFest" returns February 9-16. Shows include *Road to Westminster Dog Show*, which follows a group of owners and dogs as they vie for the top prize in the 2018 Westminster Kennel Club Dog Show.

#### BOOKS

### THE DARK BEAUTY OF NIGHT VISION

Revel in the beauty of the world after dark—starlit skies, glowing cities, nocturnal animals—with the new National Geographic photography collection *Night Vision*. Available where books are sold and at [shopng.com/books](http://shopng.com/books).



#### BOOKS

### JOURNEYS MADE FOR SWEETHEARTS

For intrepid couples who like adventure and culture on their getaways, *Ultimate Journeys for Two* is the ideal gift. This guide to hidden-gem destinations is available where books are sold and at [shopng.com/books](http://shopng.com/books).

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