CONTENTS

On the Cover

The Nature Conservancy bought Dugout Ranch, the largest private landholding within Utah's Bears Ears National Monument, to keep it from developers. Matt Redd, who directs a Conservancy research center, also tends the ranch's cattle. AARON HUEY

PROOF

THE MUSEUM OF EVERYDAY LIFE EMBARK

21

THE BIG IDEA

A Sun-Powered Sail Into Space

A solar-sail spacecraft, set for a fall launch, is the stuff of astronomers' dreams—and a glimpse of the future. BY BILL NYE

CAPTURED

As the Worm Turns
An intestinal parasite can actually be

beneficial.
BY LORI CUTHBERT



ALSO
Crow Funeral Rites
Flu Virus Genetics

EXPLORE



34

THROUGH THE LENS

When a Friend Defies Death

A photographer documents his buddy's ropeless climb of Yosemite's El Capitan. BY PETER GWIN

DECODER

Taking Mars's Pulse Late this month, the Mars lander InSight is set to start gathering data on the red planet. BY JASON TREAT

MARS

The second season of the National Geographic series premieres at 9/8c on November 12.



FEATURE



Uncommon Kingdom
A Vermonter describes
the state's northeast
corner as a realm apart,
a kingdom whose subjects are independent
and eccentric.
BY ARCHER MAYOR
PHOTOGRAPHS BY
STÉPHANE LAVOUÉ



FEATURES

Battle for the American West

Who gets to choose how the land is used? BY HANNAH NORDHAUS PHOTOGRAPHS BY AARON HUEY

..... P. 42

Saving the Sage Grouse

It's a symbol in debates about land use versus conservation. It's also a bird species in decline. BY HANNAH NORDHAUS PHOTOGRAPHS BY CHARLIE HAMILTON JAMES

..... P. 68

Menu of the Future

Coming to your table: dishes featuring grass, insects, and algae. BY TRACIE McMILLAN PHOTOGRAPHS BY GRANT CORNETTP. 82

DISPATCHES

Caught in Chaos

As thousands of migrants flee Venezuela for Brazil, they take their woes with them. BY PAULA RAMÓN PHOTOGRAPHS BY FEDERICO RIOS

......P. 94

Flooding History

A controversial dam in Turkey will destroy an ancient settlement. BY SUZY HANSEN PHOTOGRAPHS BY MATHIAS DEPARDONP. 102

A Crack in the World

Life at the Antarctic Peninsula needs sea ice and krill to survive. What if they go away? BY CRAIG WELCH PHOTOS BY PAUL NICKLEN, CRISTINA MITTERMEIER, AND KEITH LADZINSKI

..... P. 114