

12.2020

SAVING
THE GREAT
LAKES

NATIONAL GEOGRAPHIC MAGAZINE

LIVES AND
LEGENDS IN
THE ARCTIC

*"I placed you in
the loft to sleep,
but I feared the
snake."*

- LYRICS FROM A
SYRIAN REFUGEE'S
LULLABY

LOVE SONGS

What the lullabies we sing to
children reveal about hope,
fears, and the world at large

NGM.COM ₹295
VOL. 8 ISSUE 5

CONTENTS

SUBSCRIBED

On the Cover

Badamgarav Naran sings her youngest of three, Khankharidag, a lullaby inside their home in Ulaanbaatar. 'When I sing the lullaby, I feel I am able to give my children twice the love,' she says.

HANNAH REYES MORALES

PROOF



12

As Seen From the Ground

Quarantined in the Veluwe region of the Netherlands, a photographer documents the many fungi in his yard and nearby woods.

STORY AND PHOTOGRAPHS BY JAN VERMEER

EXPLORE

19

THE BIG IDEA

Celebrating in the Pandemic

Lockdowns limit togetherness. But the holidays' love and light are still within reach.

BY ANNE LAMOTT

DECODER

Saber-Toothed Giant

We know more about its bite and its build, thanks to new studies.

BY FERNANDO G. BAPTISTA AND PATRICIA HEALY



30

CAPTURED

Color Chemistry

From black-hole black to hotter-than-hot pink, scientists make color visible in new ways.

BY SARAH GIBBENS



ALSO

Undersea Diversity

ALSO

Crowns of Flowers
A World of Lucky Charms

Madhum
केन्द्रीय पुस्तकालय / Central Library
सिक्किम विश्वविद्यालय
Sikkim University



FEATURES

The World's Lullabies

Songs that soothe little ones to sleep also reflect grown-ups' hopes and fears.

STORY AND PHOTOGRAPHS
BY HANNAH REYES MORALES
..... P. 36

So Great, So Fragile

The Great Lakes hold 84 percent of North America's surface freshwater and helped make the United States an agricultural and industrial powerhouse. But now climate change, pollution, and invasive species threaten what may be the continent's most valuable resource.

BY TIM FOLGER
PHOTOGRAPHS BY
KEITH LADZINSKI
..... P. 62

▲ Arctic Dreaming

In Russia's far north, a native returns to the memories and colors of the long polar night.

STORY AND PHOTOGRAPHS
BY EVGENIA ARBUGAEVA
..... P. 94

Bites That Kill

As many as 138,000 people die each year from snakebites and another 400,000 are permanently disabled, says the World Health Organization. It has become a health crisis in sub-Saharan Africa, where getting treatment can be difficult and antivenoms are in short supply.

STORY AND PHOTOGRAPHS
BY THOMAS NICOLON
..... P. 114