

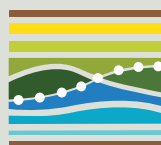


LTER

Schoolyard Book Series

A red-tailed hawk flies over the Konza Prairie LTER site near Manhattan, Kansas, the locale where the story of *The Autumn Calf* unfolds.

The Long-Term Ecological Research Network (LTER) and the LTER Schoolyard Book Series are supported by the National Science Foundation (NSF).



NATIONAL SCIENCE FOUNDATION
LTER NETWORK
LONG TERM ECOLOGICAL RESEARCH

Welcome!

Welcome to the wonderful world of the LTER Schoolyard Series! These books are packed with information and concepts designed to create a lively and engaging reading experience. Between the pages of these books an individual child, or an entire classroom, can help save a seal in Antarctica, explore the underwater coral reefs of French Polynesia, search for an elusive wolf tree in a New Hampshire forest, follow a run-off creek from its source high in the Rocky Mountains, spend an entire night researching in the Everglades, discover new plants and animals on a tidal salt marsh in Georgia, or become an detective seeking environmental clues in the Pacific ocean.

We are working hard to bring new titles to you that bring to life important concepts that are studied by each Long-Term Ecological Research network site. Careful thought goes into developing an individual site's educational outreach efforts into a book format. Every scientific concept presented is fact-checked by research scientists, all of the text is refined by qualified children's literature specialists, and the illustrations are created by experienced and certified professional science illustrators. Here we highlight how the books in the series can be connected to learning about diverse ecosystems-forests, prairies, streams, rivers and coral reefs. These books also foster interest in learning about how earth observations can be carried out on the ground and from space.

Through a partnership with Apple Education, we are also able to make available enhanced ePub format versions of some of these books.

I hope you and the children you read with enjoy these books as much as I have enjoyed being a part of their development.



Amy H. Rinehart
Series Editor, LTER Schoolyard Book Series

LTER Schoolyard Book Series

Discover a series of illustrated children's books, where:

- the content is carefully reviewed by research scientists
- the illustrations are beautiful yet accurate
- the narrative of each story is designed to bring ecological science to life and engage children
- the book can be read to or by the child at school or at home
- the information presented in the sidebars encourages further investigation
- teacher materials are accessible and available for classroom use

The largest and longest-lived ecological network in the United States, the Long-Term Ecological Research (LTER) Network provides the scientific expertise, research platforms, and long-term datasets necessary to document and analyze environmental change. The Network brings together a multi-disciplinary group of more than 2000 scientists and graduate students. The twenty-eight LTER sites encompass diverse ecosystems in the continental United States, Alaska, Antarctica and islands in the Caribbean and the Pacific—including deserts, estuaries, lakes, oceans, coral reefs, prairies, forests, alpine and Arctic tundra, urban areas, and production agriculture.

The mission of the Schoolyard Book Series is to engage children and their families in learning about the earth's ecosystems, both locally and internationally, through narratives that reflect the dynamic research being conducted at the National Science Foundation's Long-Term Ecological Research Sites.

Books support the Schoolyard mission of LTER sites by emphasizing:

- Connection to the local community
- Interdisciplinary ecological concepts
- The importance of long-term perspectives
- A connection to scientists and the scientific questions that are being studied at each LTER site

The Lost Seal

978-0-9723422-7-8 • Hardback

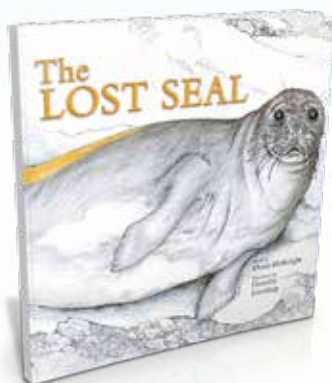
July 2006 • \$19.95

Pages: 40

Size: 10 ¼ x 9 ½

By Diane McKnight and

Illustrated by Dorothy Emerling



Research scientists camped at the desolate McMurdo Dry Valleys of Antarctica studying the local lakes and streams are one day surprised to find a young Weddell seal in their midst. Tired and hungry, and perhaps lured by the smell of the group's cheeseburger dinner, the young male is a long way from his natural habitat on the sea ice of McMurdo Sound. Bound by the Antarctic Conservation Act, the scientists know they cannot help the seal, but instead contact seal scientists and station managers, who, after some thought, eventually make plans to return the seal to the sea ice. The seal gets the ride of its life back to its natural habitat, and the scientists name one of their newly monitored streams to commemorate their unlikely campmate. The book includes a description of how stream flow is measured. Further, the flow data from Lost Seal Stream are telemetered from Antarctica from December to January and can be accessed from the website of the MCM-LTER site. An interactive ePub3 version is available on iBooks

Translated paperback editions available:

All versions are 10 ¼ x 9 ½, with 32 pages, and are \$9.95 each.

The Lost Seal

English Only • ISBN 978-1-6307625-2-0

Puisinnguaq Tammaraľuartoq / The Lost Seal

Greenlandic/English • ISBN 978-1-6307625-9-9

Ka Sila I Lalau Hele / The Lost Seal

Hawaiian/English • ISBN 978-1-6307625-8-2

Te Kekenō Ngāro

Maori Only • ISBN 978-1-6307625-6-8

Te Kekenō Ngāro / The Lost Seal

Maori/English • ISBN 978-1-6307625-6-8

迷路的海豹——双语缩略版 / The Lost Seal

Mandarin Chinese/English • ISBN 978-1-6307626-0-5

Ksihkehe Ahkiq / The Lost Seal

Passamoquoddy/English • ISBN 978-1-6307625-5-1

La Foca Perdida / The Lost Seal

Spanish/English • ISBN 978-1-6307625-3-7

La Foca Perdida

Spanish Only ISBN • 9781-6-307625-3-7

My Water Comes From the Rocky Mountains

978-0-9817700-0-0 • Hardback

August 2009 • \$16.95

978-0-9817700-1-7 • Paperback

August 2009 • \$9.95

978-1-6307616-3-9 • ePub3

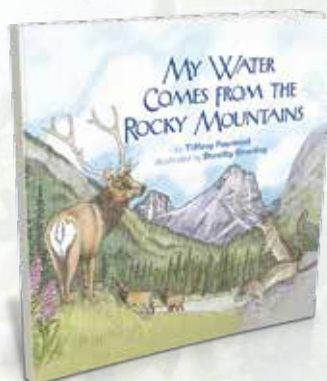
March 2015 • \$9.95

Pages: 32

Size: 11 x 9 ¾

By Tiffany Fourment

Illustrated by Dorothy Emerling



This book introduces children to the watershed of the Colorado River, the Continental Divide, and explains how snowmelt forms the headwaters of the rivers and streams that bring life to the land below. The entire water cycle is described from glacial melt to evaporation. The various life zones that water runs through on its way from alpine tundra to prairie are detailed in exquisite drawings, creating an interesting framework for children to understand the water cycle. This book provides a foundation for understanding how different processes in the water cycle can be measured.

My Water Comes From the San Juan Mountains

978-0-9817700-2-4 • Hardback

August 2009 • \$16.95

978-0-9817700-3-1 • Paperback

August 2009 • \$9.95

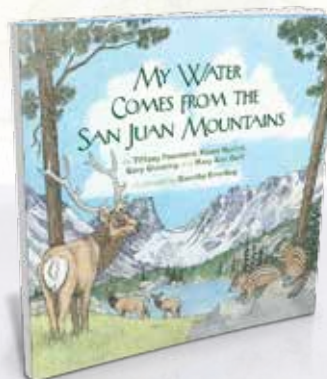
Pages: 32

Size: 11 x 9 ¾

By Tiffany Fourment; Koren Nydick;

Gary Gianiny and Mary Ann Goff

Illustrated by Dorothy Emerling



This book introduces children to the watersheds of the San Juan Mountains in the Southern Rocky Mountains, and was specifically developed to be used in regional schools along with a targeted curriculum. There are numerous abandoned mines in the region that are located at high in the mountains and date back to the 1880's. In addition to describing the entire water cycle, this book can be used to explain how hydrology can influence the quality of water downstream.

The Autumn Calf

978-1-63076-237-7 • Hardback

July 2016 • \$15.95

978-1-63076-238-4 • eBook

July 2016 • \$9.99

Pages: 32

Size: 10 ½ x 9 ¼

By Jill Haukos

Illustrated by Joyce Mihran Turley



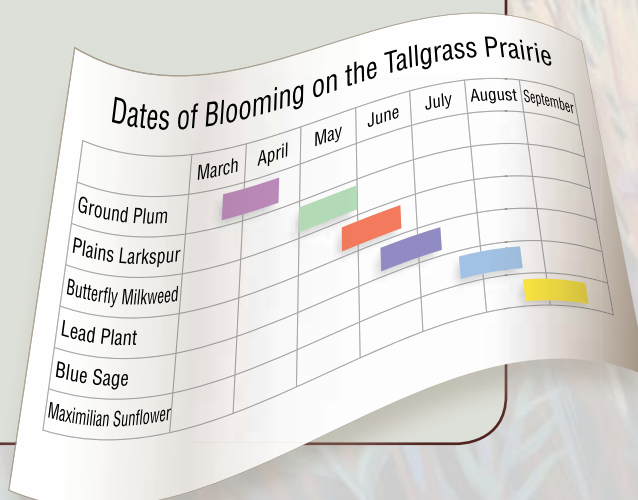
Most bison calves are born in mid-spring. However, one August morning at the Konza Prairie Biological Station near Manhattan, Kansas, a new little orange-coated bison is discovered within the herd. The people who manage the herd become concerned about her welfare, as they know that since she is so little she faces many challenges to survive the winter in the tall-grass prairie of the Flint Hills. Will she survive the harsh winter so she can learn to munch fresh new grass with her mother in the spring? This beautifully illustrated book recounts a true event and takes the reader through a year on the tall-grass prairie with the bison herd, where we learn about the local plants and animals that grow and live there. This book provides a captivating framework for introducing the concept of phenology and explaining how these seasonal changes can be observed locally and also on a regional scale from space using remote measurements made from satellites.





Phenology

The prairie has four distinct seasons: winter, spring, summer, and autumn. Weather determines how prairie plants and animals respond, something scientists are especially interested in. For example, the date when a flower blooms for the first time is important and might change by as much as a few weeks from year to year, depending on the weather. The study of the timing of “firsts” in an environment is called phenology. Some other firsts include the first bison calf of the year and the first day in early spring that we hear the call of the killdeer. Scientists record these plant and animal firsts on Konza Prairie and use that information to understand prairie life better.



Kupe and the Corals

978-1-58979-753-6 • Hardback

August 2014 • \$15.95

978-1-4617-4800-7 • eBook

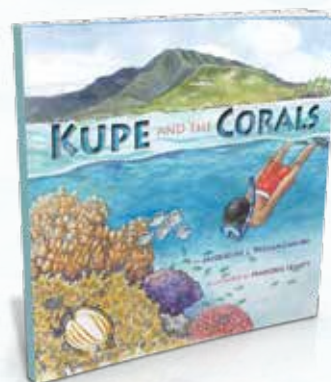
August 2014 • \$9.99

Pages: 32

Size: 10 ½ x 9 ¼

By Jacqueline L. Padilla-Gamiño, PhD

Illustrated by Marjorie Leggitt



One night while young Kupe is fishing with his father, he observes an astonishing event, thousands and thousands of tiny “bubbles” rising to the surface of the waters in the lagoon near where he lives. Kupe visits with an elder from his village and a scientist from the nearby marine lab in an attempt to learn more about what he has seen. Kupe then goes on to learn more about how corals grow and the importance of corals in building the reefs. The narrative provides engaging background for explaining why runoff of sediments from erosion on land can limit the building of reefs by corals, as well as for considering how coral reefs can be observed from space.

English/Spanish

Kupe and the Corals / Kupe y los Corales

978-1-58979-776-5 • Paperback

May 2014 • \$8.95

English/Hawaiian

Kupe and the Corals / No Kupe a me nā Ko'a

978-1-58979-778-9 • Paperback

May 2014 • \$8.95

French/Tahitian

Kupe et les Coraux / Kupe' e te To'a

978-1-58979-779-6 • Paperback

May 2014 • \$8.95

English/Tahitian

Kupe and the Corals / Kupe' e te To'a

978-1-58979-780-2 • Paperback

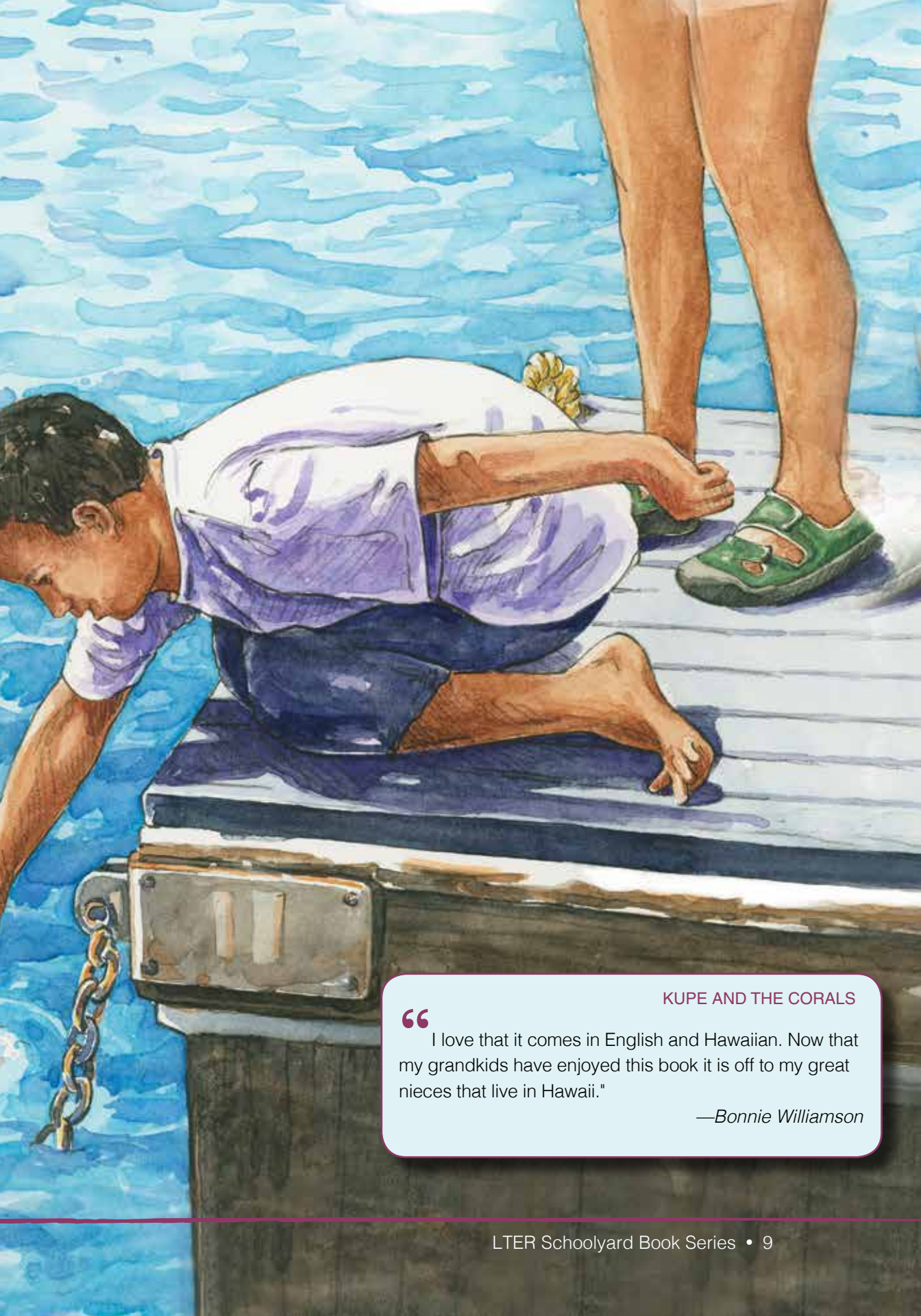
May 2014 • \$8.95

French/Paumotu

Kupe et les Coraux / Kupe ke te Toka

978-1-58979-777-2 • eBook

May 2014 • \$8.95



KUPE AND THE CORALS

“

I love that it comes in English and Hawaiian. Now that my grandkids have enjoyed this book it is off to my great nieces that live in Hawaii.”

—Bonnie Williamson

Seeking the Wolf Tree

ISBN 978-1-63076-145-1 • Hardback

October 2015 • \$15.95

978-1-630761-4-6 • eBook

October 2015 • \$9.99

Pages 32

Size: 9 ¼ X 10 ½

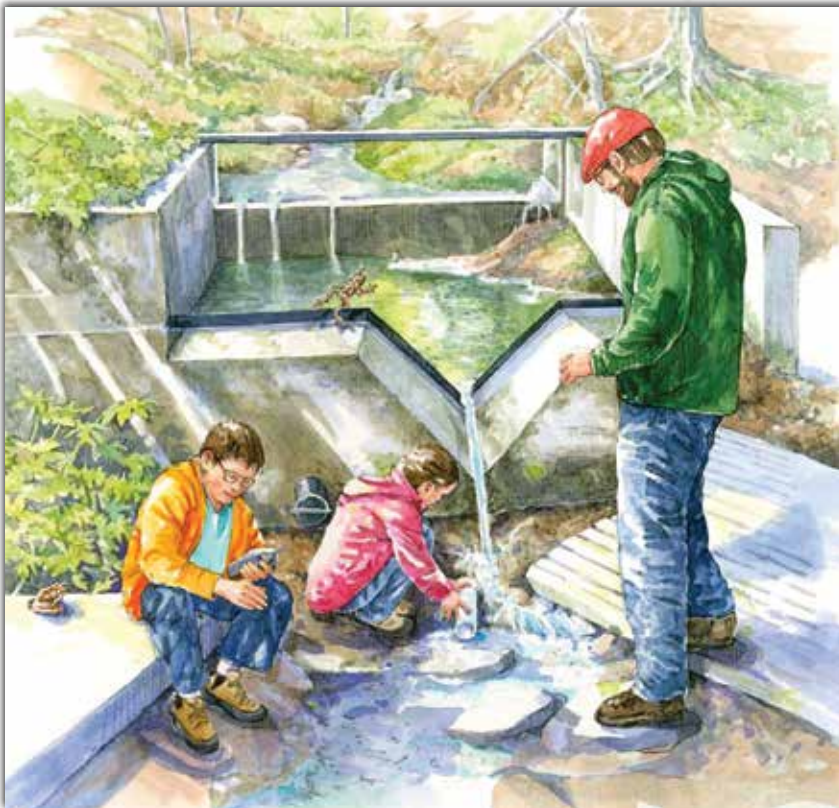
By Natalie Cleavitt

Illustrations by Marjorie Leggitt



Join Aurora and Orion, two curious young nature explorers, as they go on a series of adventures through the Hubbard Brook Experimental Forest in New Hampshire. As they search for the illusive wolf tree, one of the oldest and biggest trees in the forest, they make many discoveries, such as birds' nests, mushrooms, animal prints, and other hidden wonders that the outdoors offer. For Aurora and Orion, seeking the wolf tree turns out to be as much about their journey through the forest as about the awesome discovery they make at the end.

Seeking the Wolf Tree takes a close look at the seasonal intricacies of the forest. Similar to *The Autumn Calf*, this book provides a foundation for learning about terrestrial ecosystems and how phenology can be studied through ground-based and remote sensing measurements.



Other Books in the LTER Schoolyard Book Series:

One Night in the Everglades (2012)

By Laurel Larsen • Illustrated by Joyce Mihran Turley

Una Noche en los Everglades (2012)

By Laurel Larsen • Translated by Alida Ribbi and Rudolf Jaffe

Illustrated by Joyce Mihran Turley

Sea Secrets: Tiny Clues to a Big Mystery (2015)

By Mary M. Cerullo and Beth E. Simmons • Illustrated by Kirsten Carlson

Ellie's Log: Exploring the Forest Where the Great Tree Fell (2013)

By Judith L. Li • Illustrated by M. L. Herring

Ricky's Atlas: Mapping a Land On Fire (2016)

By Judith L. Li • Illustrated by M. L. Herring

And the Tide Comes In: Exploring a Coastal Salt Marsh (2017)

By Merryl Alber • Illustrated by Joyce Mihran Turley

“

RICKY'S ATLAS

Maps, field notes, and illustrations enrich the body text in *Ricky's Atlas*, offering much to be unpackaged and explored for readers of all ages."

—Marc Levine, *Science*

Available Autumn 2017:

The Golden Forest: Exploring a Coastal California Ecosystem

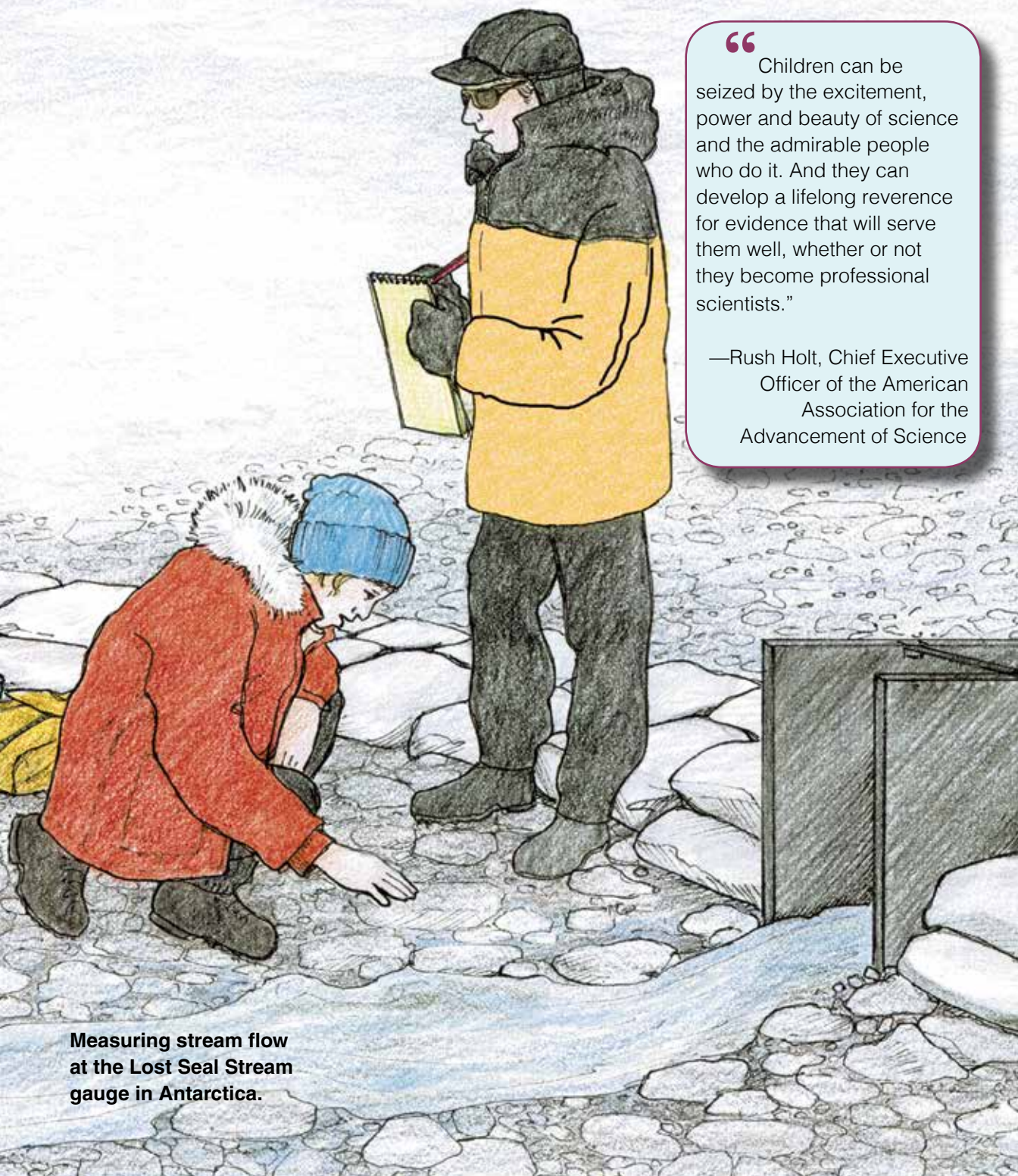
By Carol Blanchette and Jenifer Dugan • Illustrated by Michael Rothman

Save Our Stream

By Colin Polsky and Jane Tucker • Illustrated by Julia Miner

One Day in the Desert

By Anna Keener • Illustrated by Christina Wald



**Measuring stream flow
at the Lost Seal Stream
gauge in Antarctica.**

“

Children can be seized by the excitement, power and beauty of science and the admirable people who do it. And they can develop a lifelong reverence for evidence that will serve them well, whether or not they become professional scientists.”

—Rush Holt, Chief Executive
Officer of the American
Association for the
Advancement of Science

Ordering Information:

Available at your favorite local or online bookseller, or from Taylor Trade Publishing:
<https://rowman.com/TaylorTrade> · 1.800.462.6420
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