

LAB GIRL

Hope Jahren

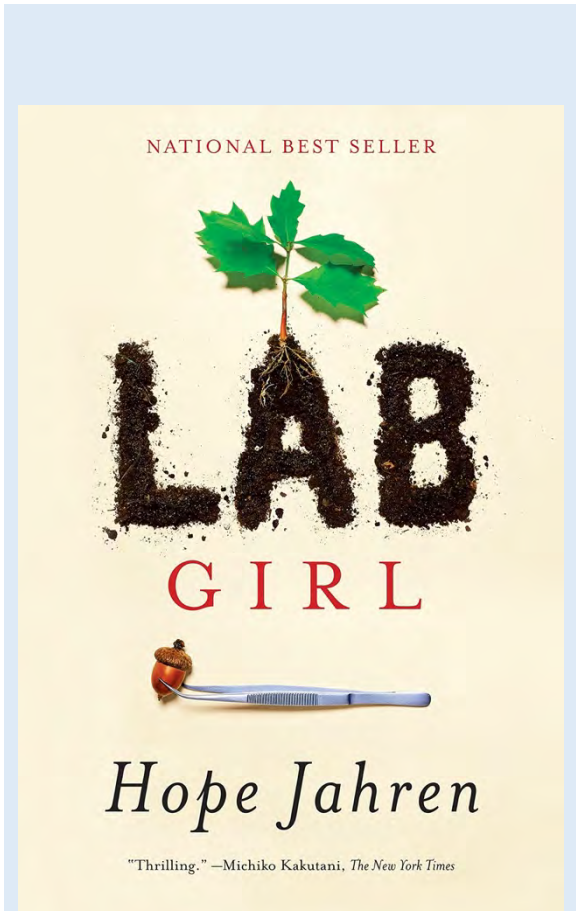
Geobiologist Hope Jahren has spent her life studying trees, flowers, seeds, and soil. *Lab Girl* is her revelatory treatise on plant life—but it is also a celebration of the lifelong curiosity, humility, and passion that drive every scientist. In these pages, Hope takes us back to her Minnesota childhood, where she spent hours in unfettered play in her father's college laboratory. She tells us how she found a sanctuary in science, learning to perform lab work “with both the heart and the hands.” She introduces us to Bill, her brilliant, eccentric lab manager. And she extends the mantle of *scientist* to each one of her readers, inviting us to join her in observing and protecting our environment. Warm, luminous, compulsively readable, *Lab Girl* vividly demonstrates the mountains that we can move when love and work come together.



Hope Jahren is an award-winning scientist who has been pursuing independent research in paleobiology since 1996, when she completed her PhD at University of California Berkeley and began teaching and researching first at the Georgia Institute of Technology

and then at Johns Hopkins University.

She is the recipient of three Fulbright Awards and is one of four scientists, and the only woman, to have been awarded both of the Young Investigator Medals given within the Earth Sciences. She was a tenured professor at the University of Hawaii in Honolulu from 2008 to 2016, where she built the Isotope Geobiology Laboratories, with support from the National Science Foundation, the Department of Energy and the National Institutes of Health. She currently holds the J. Tuzo Wilson professorship at the University of Oslo, Norway.



Other works by Hope Jahren:

- *The Story of More: How We Got to Climate Change and Where to Go from Here*
- *The Best American Science and Nature Writing 2017*

Check out Hope Jahren's website:

<https://hopejahrensurecanwrite.com/>

<http://jahrenlab.com/>

CHILDREN'S LITERATURE

B IS FOR BATTLEBOTS

Andrea Gellatly

Did you know that Tombstone's weapon bar spins at 250 miles per hour? And did you know that Kraken can crush with more force than the weight of 6 cars?! Learn more about your favorite robots with the official BattleBots alphabet book, written by Andrea Gellatly of Team Witch Doctor! Caleb Kempson's striking illustrations accompany three reading levels on each page, making "B Is for BattleBots" perfect for fans of all ages. Proceeds benefit the Witch Doctor Jr program, which hosts robotics classes and competitions to turn BattleBots fans into robot builders!

Andrea Gellatly first learned about robotics as a high school freshman, which quickly shifted her career goals from artist to engineer. She now has over 15 years of experience in combat robotics, winning a number of national titles. Andrea recently presented at the Kennedy Space Center on designing for damage and redundancy, and has spoken on discussion panels for a variety of audiences. She is also co-founder of MakeMIA Makerspace.



AGE RANGE: 5 – 8 years

Check out B is for Battlebots Reads program and live Q & A at Miami Book Fair 2020:

<https://www.miamibookfaironline.com/event/b-is-for-battlebots-reads/>

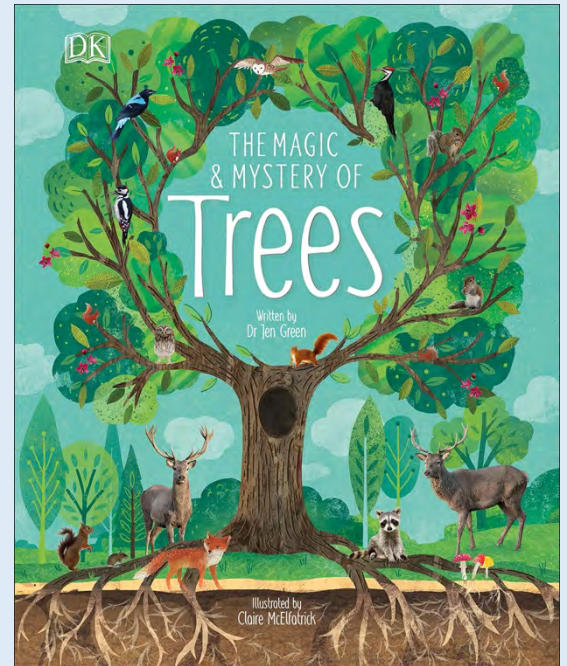
THE MAGIC AND MYSTERY OF TREES

Jen Green

This breath-taking book about trees takes children on a captivating journey of nature packed leafy exploration, showing them just how special these mighty organisms are.

Discover how they communicate and warn each other of predators, how they nurture their networks, record the past, and anticipate the future to ensure their survival. There's so much more to trees than meets the eye.

Jen Green is a prolific nonfiction author who has written more than 300 titles for children and adults alike. She obtained her doctorate in English literature from Sussex University, and after spending 15 years in publishing, Green became a full-time writer. She writes on a broad array of subjects, including art, animals, and natural history. From 2012 to 2013 she was a Royal Literary Fund Fellow at the University of Sussex.



AGE RANGE: 7 – 9 years

BUZZING WITH QUESTIONS: The Inquisitive Mind of Charles Henry Turner

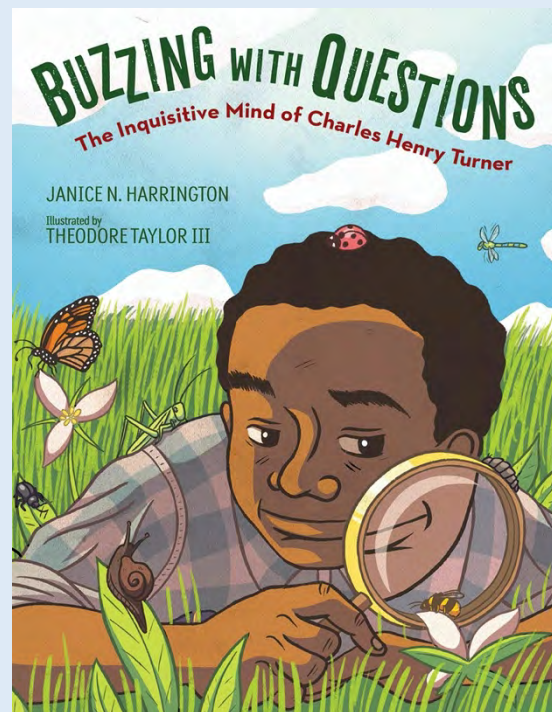
Janice N. Harrington

Can spiders learn? How do ants find their way home? Can bugs see color? All of these questions buzzed endlessly in Charles Henry Turner's mind. As the first Black entomologist, he was fascinated by plants and animals and bugs. And even when he faced racial prejudice, Turner did not stop wondering. He constantly read, researched, and experimented. Author Janice Harrington and artist Theodore Taylor III capture the life of this scientist and educator in this nonfiction picture book, highlighting Turner's unstoppable curiosity and his passion for science. The extensive back matter includes an author's note, timeline, bibliography, source notes, and archival images.



Photo by Rachel Eliza Griffiths

Janice N. Harrington is an award-winning poet and children's book author. Her children's books include *Catching a Storyfish*, *Busy-Busy Little Chick*, *Roberto Walks Home*, *The Chicken-Chasing Queen of Lamar County*, and *Going North*. She is the director of the Creative Writing Program at the University of Illinois, Urbana-Champaign.



AGE RANGE: 7 – 10 years

Other works by Janice N. Harrington:

- *Catching a Storyfish*
- *Busy-Busy Little Chick*
- *The Chicken-Chasing Queen of Lamar County*
- *Going North*
- *Roberto Walks Home*

And more...

Find out more about Janice N. Harrington here:

<https://janiceharrington.com/>

WISHTREE

Katherine Applegate

Trees can't tell jokes, but they can certainly tell stories. . .

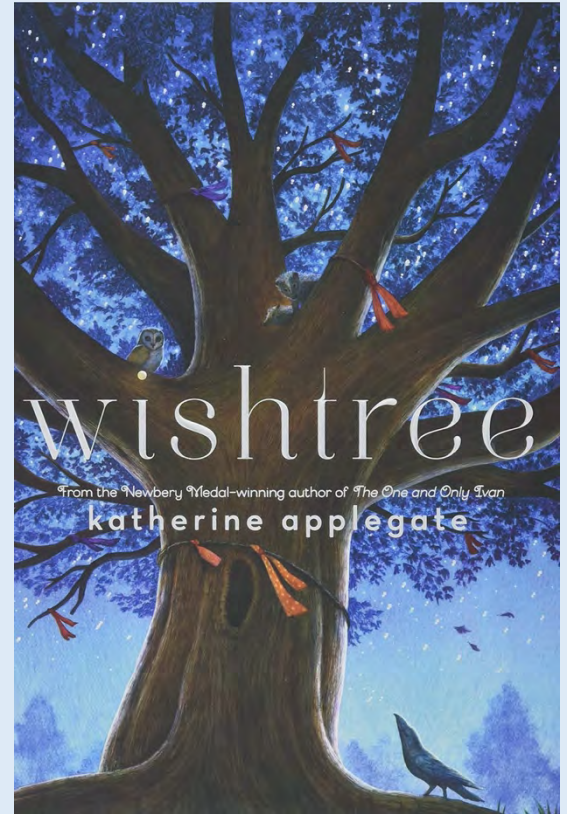
Red is an oak tree who is many rings old. Red is the neighborhood "wishtree"—people write their wishes on pieces of cloth and tie them to Red's branches. Along with a crow named Bongo and other animals who seek refuge in Red's hollows, this wishtree watches over the neighborhood.

You might say Red has seen it all.

Until a new family moves in. Not everyone is welcoming, and Red's experience as a wishtree is more important than ever.



Katherine Applegate is the Newbery Medal-winning and #1 *New York Times* bestselling author of numerous books for young readers, including *The One and Only Ivan*, the *Endling* series, *Crenshaw*, *Wishtree*, the *Roscoe Riley Rules* chapter books series, and the *Animorphs* series.



AGE RANGE: 8 – 12 years

Other works by Katherine Applegate:

- *The One and Only Ivan*
- *Crenshaw*
- *The one and Only Bob*

Find out more about Katherine Applegate here:

<https://katherineapplegate.com/>

THE ENDANGEREDS

Philippe Cousteau & Austin Aslan

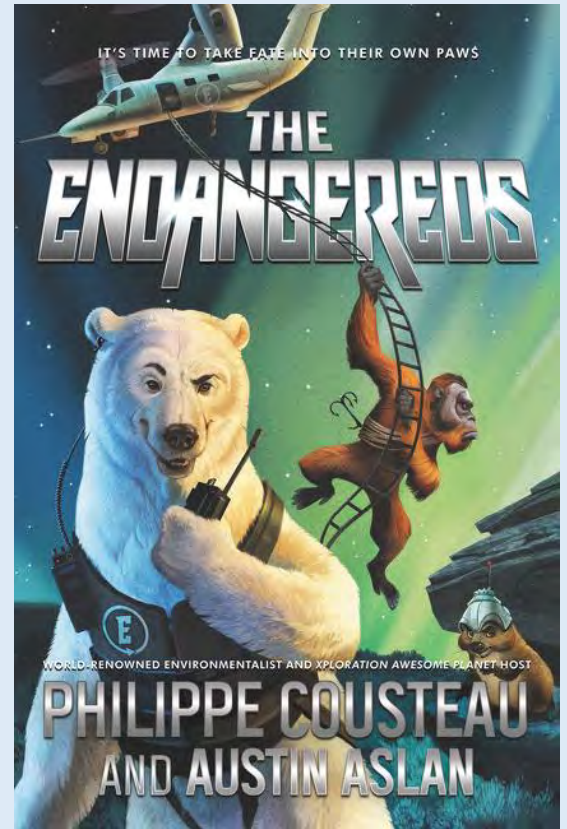
Innocent animals are in trouble: temperatures are climbing, tides are rising, and nature is suffering. Someone needs to step in to rescue animals from extinction. Someone needs to turn this mess around, before it's too late.

And that someone is . . . the Endangeredes, the unlikelyst heroes you'll ever meet—a superstrong polar bear, a pangolin with a genius for engineering, an extremely sarcastic narwhal, and an orangutan with a big dream.



Philippe Cousteau, the world-renowned environmentalist and Emmy-nominated host of *Xploration Awesome Planet*, is the coauthor of *The Endangeredes*, the first book in a thrilling environmental adventure series.

Austin Aslan is the author of *The Islands at the End of the World* and *The Girl at the Center of the World*. A National Science Foundation Graduate Research Fellow, he can often be found exploring the wilds of northern Arizona and camping in a tent on a punctured air mattress. Austin loves to travel widely, photograph nature, and laugh. Follow him on Twitter at @Laustinspace.



AGE RANGE: 8 – 12 years

Visit Philippe Cousteau's website here:
<http://www.philippecousteau.com/>

Visit Austin Aslan's website here:
<https://laustinspace.wordpress.com/>

THE SILVER ARROW

Lev Grossman

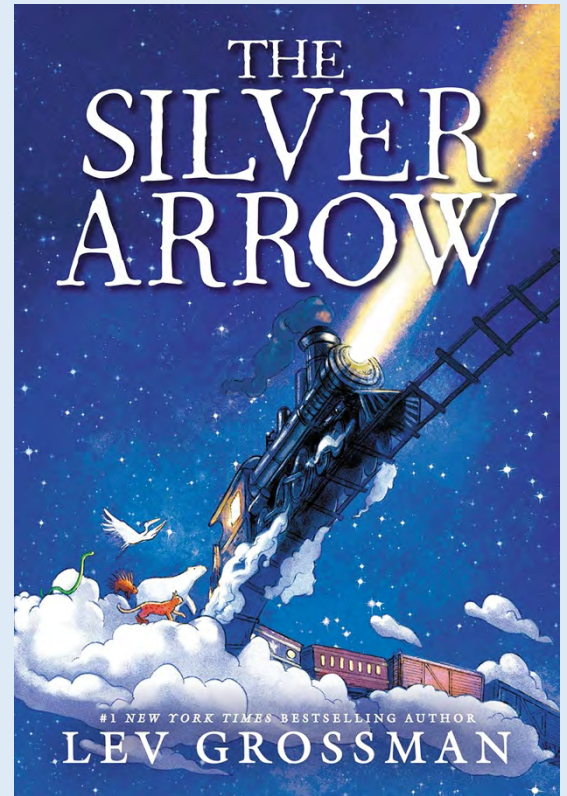
*Dear Uncle Herbert,
You've never met me, but I'm your niece Kate, and since it is
my birthday tomorrow and you are super-rich could you
please send me a present?*

Kate and her younger brother Tom lead dull, uninteresting lives. And if their dull, uninteresting parents are anything to go by, they don't have much to look forward to. Why can't Kate have thrilling adventures and save the world the way people do in books? Even her 11th birthday is shaping up to be mundane -- that is, until her mysterious and highly irresponsible Uncle Herbert, whom she's never even met before, surprises her with the most unexpected, exhilarating, inappropriate birthday present of all time: a colossal steam locomotive called the Silver Arrow.



Lev Grossman is the author of five novels including the #1 *New York Times* bestselling *Magicians* trilogy, which has been published in thirty countries. A TV adaptation of the trilogy is now in its fifth season as the top-rated show on Syfy. Grossman is also an award-winning journalist who spent fifteen years as the book critic and lead technology writer at *Time* magazine, where he published more than twenty

cover stories. In addition, he has written for the *New York Times*, the *Wall Street Journal*, *Wired*, the *Believer*, the *Village Voice*, NPR, Salon, Slate, and BuzzFeed, among many others. He lives in New York City with his wife and three children.



AGE RANGE: 8 – 12 years

Other works by Lev Grossman:

- *The Magicians*
- *The Magician King*
- *The Magician's Land*

And more...

Find out more about Lev Grossman here:

<http://levgrossman.com/>

HOOT

Carl Hiaasen

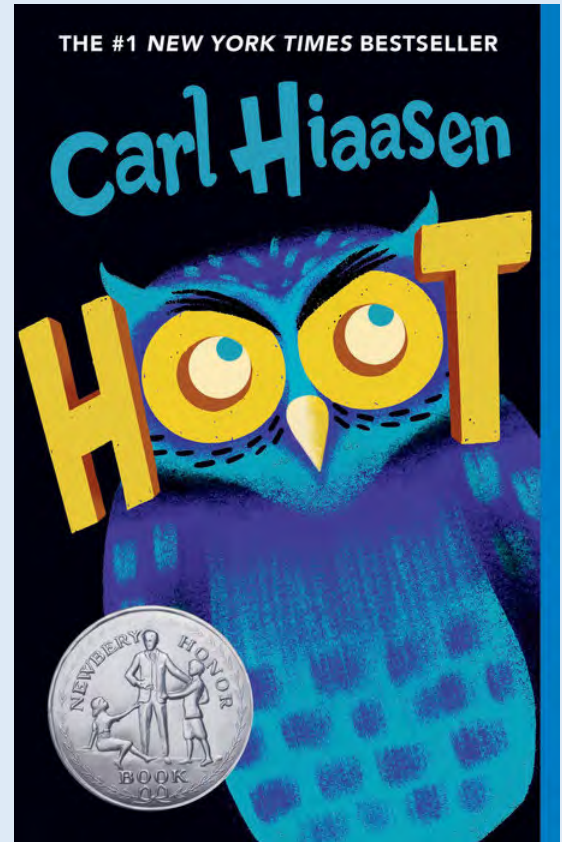
Everybody loves Mother Paula's pancakes. Everybody, that is, except the colony of cute but endangered owls that live on the building site of the new restaurant. Can the awkward new kid and his feral friend prank the pancake people out of town? Or is the owls' fate cemented in pancake batter?

Welcome to Carl Hiaasen's Florida—where the creatures are wild, and the people are wilder!



Carl Hiaasen
PHOTO CREDIT: Elena Seibert

Carl Hiaasen was born and raised in Florida. He is the author of fourteen previous novels, including the best sellers *Bad Monkey*, *Lucky You*, *Nature Girl*, *Razor Girl*, *Sick Puppy*, *Skinny Dip*, and *Star Island*, as well as six best-selling children's books, *Hoot*, *Flush*, *Scat*, *Chomp*, *Skink*, and *Squirm*. His most recent work of nonfiction is *Assume the Worst*, a collaboration with the artist Roz Chast.



AGE RANGE: 8 – 12 years

Other works by Carl Hiaasen:

- *Flush*
- *Scar*
- *Chomp*
- *Skink*
- *Squirm*

And more...

Find out more about Carl Hiaasen here:

<http://carlhiaasen.com/>

FICTION

LIGHTING THE WAY:

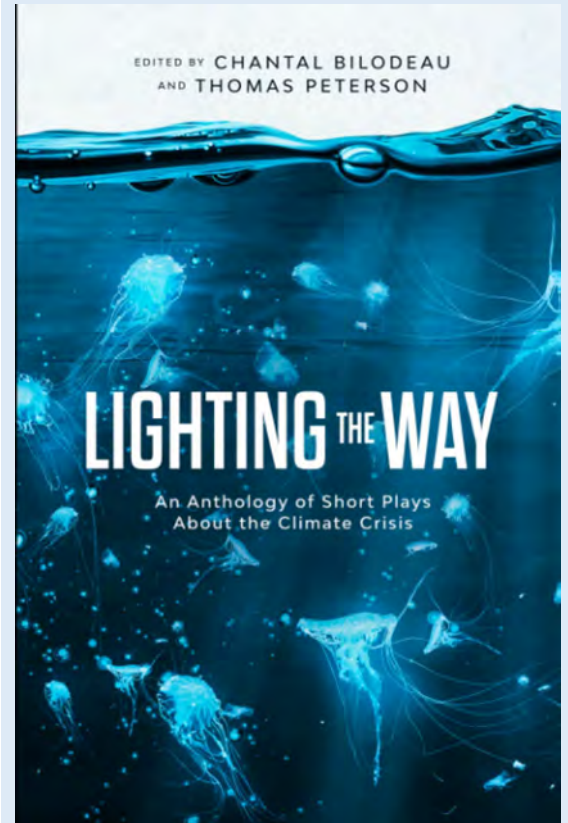
An Anthology of Short Plays About the Climate Crisis

Edited by Chantal Bilodeau and Thomas Peterson

Lighting the Way: An Anthology of Short Plays About the Climate Crisis includes 49 inspiring plays by writers from around the world. The plays were commissioned for Climate Change Theatre Action 2019, a global distributed theatre festival that coincided with the 25th United Nations Conference of the Parties (COP 25) held in Madrid, Spain under the presidency of the Chilean government. Responding to a prompt asking them to “give center stage to the unsung climate warriors and climate heroes who are lighting the way toward a just and sustainable future,” the writers offer a diversity of perspectives and artistic approaches to telling the stories of those who are making a positive impact. Whether exploring the definition of climate heroism, new technologies like mango leather, or giving legal rights to Nature, the plays go beyond the dystopian worlds and apocalyptic scenarios favored by blockbuster movies and sci-fi novels to tell nuanced and empowering stories – stories that give us the courage to get up in the morning and fight for the world we all deserve.

Chantal Bilodeau is a playwright and translator whose work focuses on the intersection of science, policy, art, and climate change.

Thomas Peterson is a theater director and researcher whose work focuses on the climate crisis. He is an Artistic Associate with *The Arctic Cycle*, co-organizing *Climate Change Theatre Action* and editing and writing for *Artists & Climate Change*.



Find out more about Chantal Bilodeau here:

<https://www.cbilodeau.com/>

Find out more about Thomas Peterson here:

<https://www.thomaswpeterson.com/>

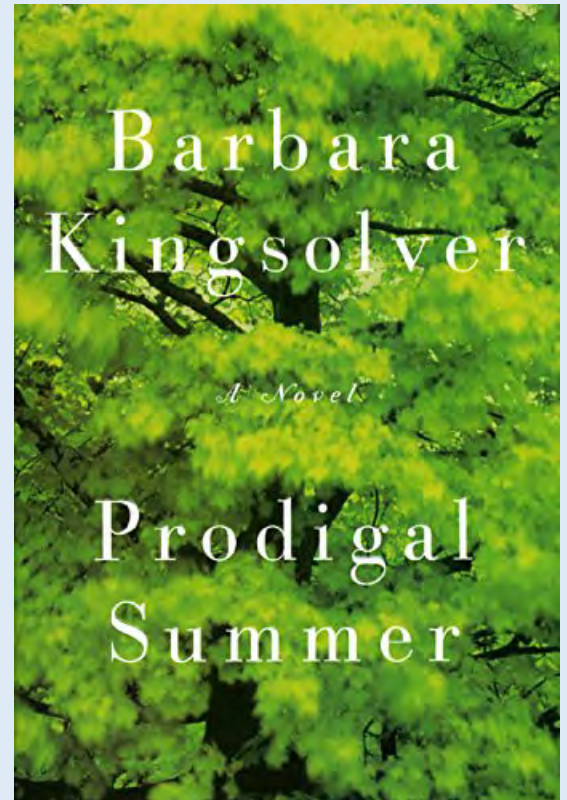
PRODIGAL SUMMER

Barbara Kingsolver

Prodigal Summer weaves together three stories of human love within a larger tapestry of lives inhabiting the forested mountains and struggling small farms of southern Appalachia. At the heart of these intertwined narratives is a den of coyotes that have recently migrated into the region. Deanna Wolfe, a reclusive wildlife biologist, watches the forest from her outpost in an isolated mountain cabin where she is caught off-guard by Eddie Bondo, a young hunter who comes to invade her most private spaces and confound her self-assured, solitary life. On a farm several miles down the mountain, another web of lives unfolds as Lusa Maluf Landowski, a bookish city girl turned farmer's wife, finds herself unexpectedly marooned in a strange place where she must declare or lose her attachment to the land. And a few more miles down the road, a pair of elderly, feuding neighbors tend their respective farms and wrangle about God, pesticides, and the complexities of a world neither of them expected.



Barbara Kingsolver grew up in rural Kentucky and earned degrees in biology from DePauw University and the University of Arizona before becoming a freelance writer and author. At various times in life she has lived in England, France, and the Canary Islands, and has worked in Europe, Africa, Asia, Mexico, and South America. She spent two decades in Tucson, Arizona, before moving to southwestern Virginia where she currently resides



Other works by Barbara Kingsolver:

- *How to Fly: (In Ten Thousand Easy Lessons)*
- *Homeland: Faber Stories*
- *Unsheltered*
- *Animal, Vegetable, Miracle*

And more...

Check out all of Barbara Kingsolver works here:

<http://www.kingsolver.com/>

THE OVERSTORY

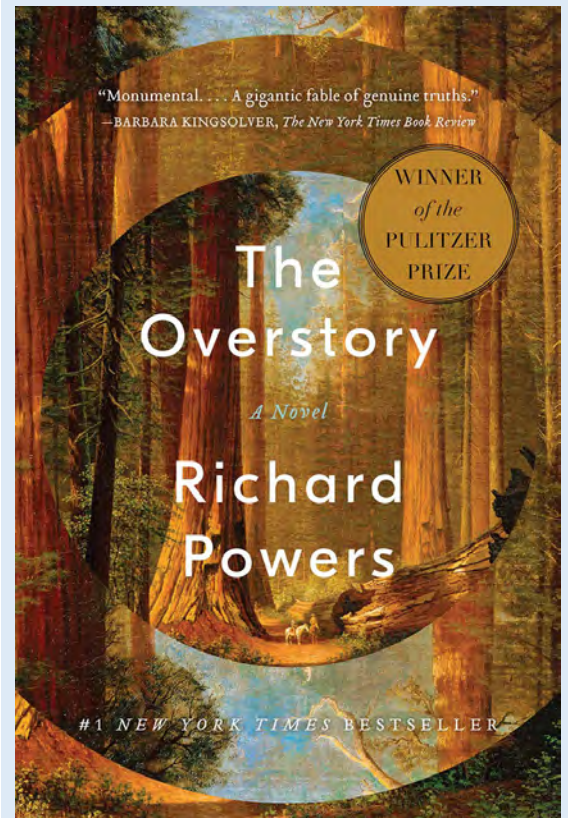
Richard Powers

The Overstory, winner of the 2019 Pulitzer Prize in Fiction, is a sweeping, impassioned work of activism and resistance that is also a stunning evocation of—and paean to—the natural world. From the roots to the crown and back to the seeds, Richard Powers's twelfth novel unfolds in concentric rings of interlocking fables that range from antebellum New York to the late twentieth-century Timber Wars of the Pacific Northwest and beyond. There is a world alongside ours—vast, slow, interconnected, resourceful, magnificently inventive, and almost invisible to us. This is the story of a handful of people who learn how to see that world and who are drawn up into its unfolding catastrophe



Richard Powers is the author of twelve novels, most recently *The Overstory*.

He is the recipient of a MacArthur Fellowship and the National Book Award, and he has been a Pulitzer Prize and four-time National Book Critics Circle Award finalist. He lives in the foothills of the Great Smoky Mountains.



Other works by Richard Powers:

- *Orfeo*
- *Generosity: An Enhancement*
- *The Echo Maker*
- *The Time of Our Singing*
- *Plowing the Dark*
- *Gain*
- *Galatea 2.2*

And more...

Check out all of Richard Powers' works here:

<http://www.richardpowers.net/>

THE SEED KEEPER

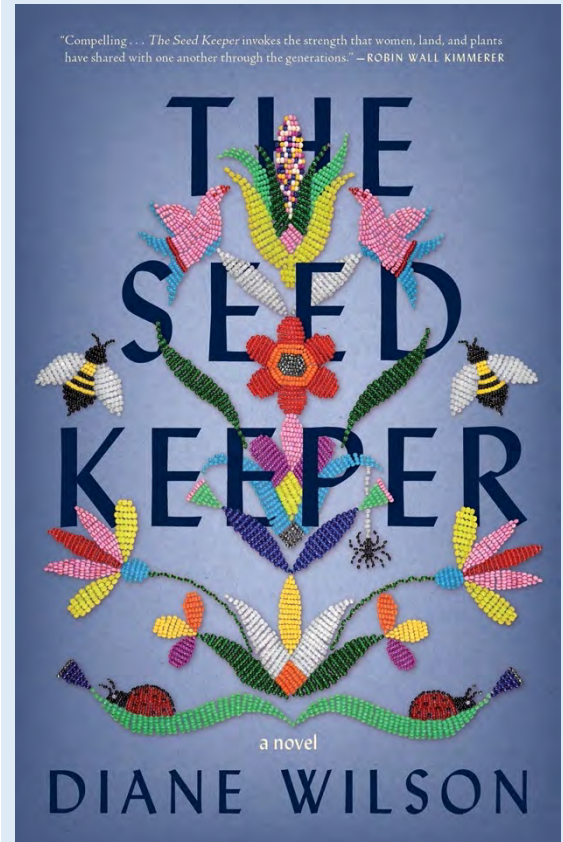
DIANE WILSON

A haunting novel spanning several generations, *The Seed Keeper* follows a Dakhóta family's struggle to preserve their way of life, and their sacrifices to protect what matters most.

Rosalie Iron Wing has grown up in the woods with her father, Ray, a former science teacher who tells her stories of plants, of the stars, of the origins of the Dakhóta people. Until, one morning, Ray doesn't return from checking his traps. Told she has no family, Rosalie is sent to live with a foster family in nearby Mankato—where the reserved, bookish teenager meets rebellious Gaby Makespeace, in a friendship that transcends the damaged legacies they've inherited.



Diane Wilson (Dakota) is a writer, speaker, and editor, who has published two award-winning books, as well as essays in numerous publications. Her new novel, *The Seed Keeper*, will be published by Milkweed Editions in March 2021.



Find out more about Diane Wilson's works here:

<https://www.dianewilsonwords.com/>

NONFICTION

DISPOSABLE CITY: Miami's Future on the Shores of Climate Catastrophe

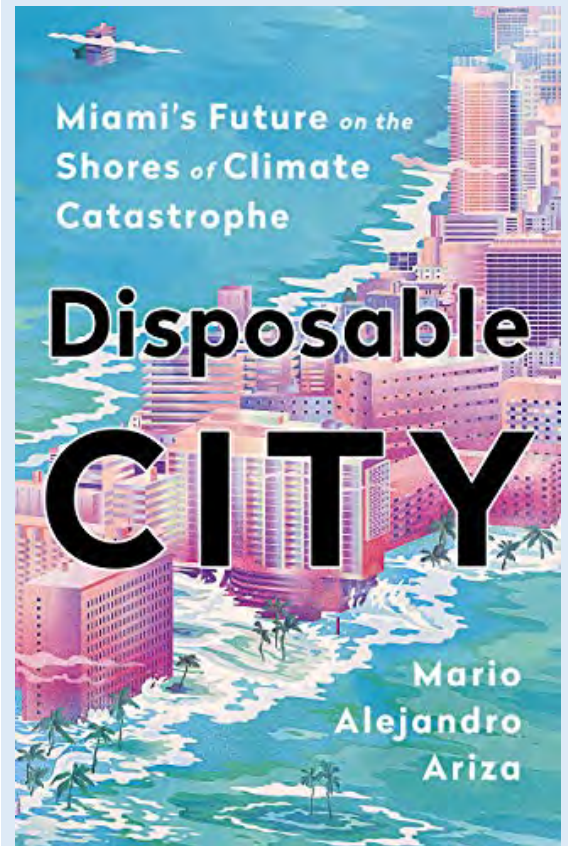
Mario Alejandro Ariza

A deeply reported personal investigation by a Miami journalist examines the present and future effects of climate change in the Magic City -- a watery harbinger for coastal cities worldwide.

Miami, Florida, is likely to be entirely underwater by the end of this century. Residents are already starting to see the effects of sea level rise today. From sunny day flooding caused by higher tides to a sewer system on the brink of total collapse, the city undeniably lives in a climate changed world.



Mario Alejandro Ariza grew up in Santo Domingo and Miami, where he lives currently. His work has appeared in outlets such as the *Atlantic*, the *Believer*, the *Miami New Times*, and the *New Tropic*. He is featured in *Sinking Cities*, a PBS documentary series on the threat of climate change.



Find out more about Mario Alejandro Ariza here:

<https://www.marioalejandroariza.com/>

THE LANGUAGE OF FLOWERS:

A Fully Illustrated Compendium of Meaning, Literature, and Lore for the Modern Romantic

Odessa Begay

With gorgeous full-color illustrations, ornate decorative elements, lettering in metallic ink, and engaging text, *The Language of Flowers: A Fully Illustrated Compendium of Meaning, Literature, and Lore for the Modern Romantic* is a treasure for flower lovers. A sumptuous, contemporary anthology of 50 of the world's most storied and popular flowers, each of its entries offers insight to the meaning associated with the flower, and is a fascinating mix of folklore, classic mythology, literature, botanical information and popular culture.



City with her husband.

Odessa Begay is the author of the adult coloring books *Little Birds*, *Edgar Allan Poe*, *Jingle Bells Christmas Carol* (all Sterling, 2016), and *William Shakespeare* (Sterling, May 2017). A graduate of New York University's Tisch School of the Arts, she illustrates full time for an array of clients including Papyrus, Design Design, and Robin Sprong Wallpaper. She lives in Kansas



Other works by Odessa Begay:

- *Poe Coloring Book*
- *Little Birds Coloring Book*
- *William Shakespeare Adult Coloring Book*

Check out Odessa Begay's website here:

<https://www.odessabegay.com/>

NO PLANET B: A Teen Vogue Guide to Climate Crisis

Edited by Lucy Diavolo

An essential collection of Teen Vogue contributions on climate justice that makes an urgent argument for intersectional activism.

An urgent call for climate justice from Teen Vogue, one of this generation's leading voices, using an intersectional lens - with critical feminist, indigenous, antiracist and internationalist perspectives. As the political classes watch our world burn, a new movement of young people is rising to meet the challenge of climate catastrophe. This book is a guide, a toolkit, a warning and a cause for hope.

Lucy Diavolo is a News + Politics Editor for Teen Vogue



Check out Lucy Diavolo's work here:

<https://www.teenvogue.com/contributor/lucy-diavolo/>

BLACK NATURE: Four Centuries of African American Nature Poetry

Edited by Camille T. Dungy

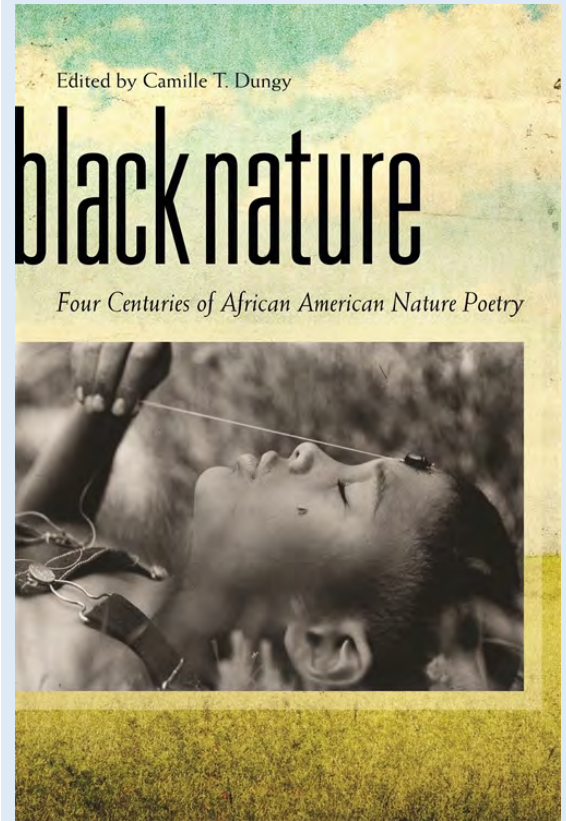
Black Nature is the first anthology to focus on nature writing by African American poets, a genre that until now has not commonly been counted as one in which African American poets have participated.

Black poets have a long tradition of incorporating treatments of the natural world into their work, but it is often read as political, historical, or protest poetry--anything but nature poetry. This is particularly true when the definition of what constitutes nature writing is limited to work about the pastoral or the wild.



Camille T. Dungy is an associate professor in the Creative Writing Department at San Francisco State University. She is the author of two poetry collections, *What to Eat, What to Drink, What to Leave for Poison* and *Suck on the Marrow* and has helped edit

two other poetry anthologies.



Other works by Camille T. Dungy:

- *Smith Blue*
- *What to Eat, What to Drink, What to Leave for Poison*
- *Guidebook To Relative Strangers*

Check out Camille T. Dungy's website here:

<https://camilledungy.com/>

TALES OF TWO PLANETS: Stories of Climate Change and Inequality in a Divided World

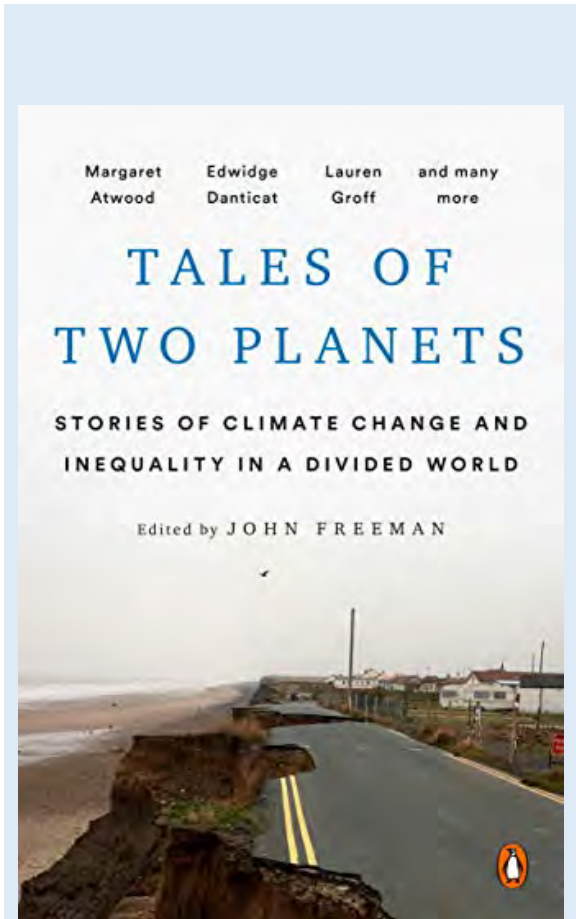
Edited by John Freeman

Building from his acclaimed anthology *Tales of Two Americas*, beloved writer and editor John Freeman draws together a group of our greatest writers from around the world to help us see how the environmental crisis is hitting some of the most vulnerable communities where they live.

In the past five years, John Freeman, previously editor of *Granta*, has launched a celebrated international literary magazine, *Freeman's*, and compiled two acclaimed anthologies that deal with income inequality as it is experienced. In the course of this work, one major theme came up repeatedly: Climate change is making already dire inequalities much worse, devastating further the already devastated. But the problems of climate change are not restricted to those from the less developed world.



John Freeman was the editor of *Granta* until 2013. His books include *How to Read a Novelist*, *Tales of Two Cities*, and *Tales of Two Americas*. *Maps*, his debut collection of poems, is out from Copper Canyon in fall 2017. He is the executive editor at Literary Hub and teaches at the New School and New York University. His work has appeared in the *New Yorker* and the *Paris Review* and has been translated into twenty languages.



Other works by John Freeman:

- *How To Read a Novelist*
- *Tales of Two Cities*
- *Tales of Two Americas*

Check out Freeman's, an anthology from John Freeman:

<https://www.freemansbiannual.com/>

THE BOOK OF DELIGHTS

Ross Gay

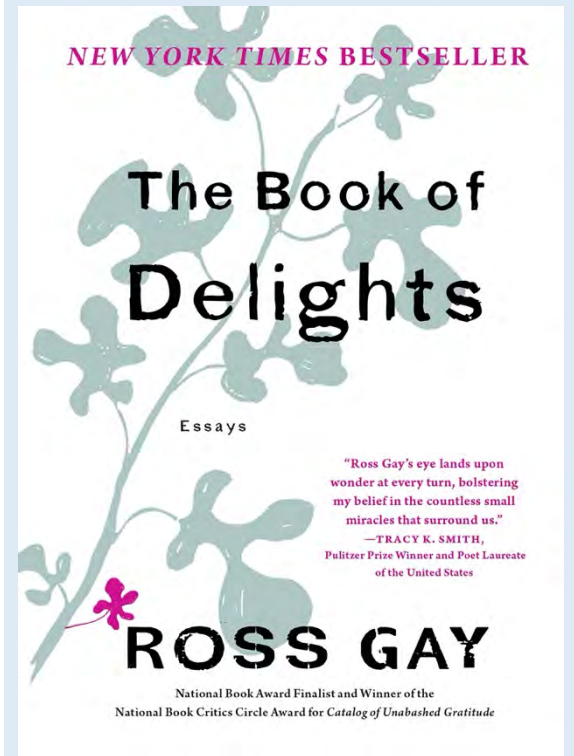
In *The Book of Delights*, one of today's most original literary voices offers up a genre-defying volume of lyric essays written over one tumultuous year. The first nonfiction book from award-winning poet Ross Gay is a record of the small joys we often overlook in our busy lives. Among Gay's funny, poetic, philosophical delights: a friend's unabashed use of air quotes, cradling a tomato seedling aboard an airplane, the silent nod of acknowledgment between the only two black people in a room. But Gay never dismisses the complexities, even the terrors, of living in America as a black man or the ecological and psychic violence of our consumer culture or the loss of those he loves. More than any other subject, though, Gay celebrates the beauty of the natural world--his garden, the flowers peeking out of the sidewalk, the hypnotic movements of a praying mantis.



Ross Gay is the author of *The Book of Delights*, a genre-defying book of essays, and three books of poetry: *Against Which*, *Bringing the Shovel Down*, and *Catalog of Unabashed Gratitude*.

He is a founding editor, with Karissa

Chen and Patrick Rosal, of the online sports magazine *Some Call it Ballin'*, in addition to being an editor with the chapbook presses Q Avenue and Ledge Mule Press. Ross is a founding board member of the Bloomington Community Orchard, a non-profit, free-fruit-for-all food justice and joy project. He has received fellowships from Cave Canem, the Bread Loaf Writer's Conference, and the Guggenheim Foundation.



Other works by Ross Gay:

- *River*
- *Lace & Pyrite*
- *Bringing the Shovel Down*
- *Against Which*

And more...

Find out more about Ross Gay here:

<http://www.rossgay.net>

LEAVE IT AS IT IS: A Journey Through Theodore Roosevelt's American Wilderness

David Gessner

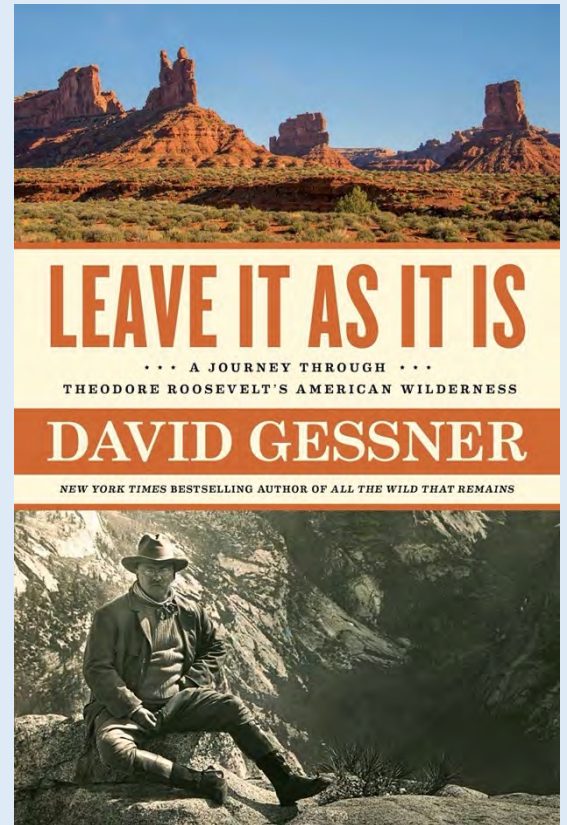
An environmental clarion call, told through bestselling author David Gessner's wilderness road trip inspired by America's greatest conservationist, Theodore Roosevelt.

"Leave it as it is," Theodore Roosevelt announced while viewing the Grand Canyon for the first time. "The ages have been at work on it and man can only mar it." Roosevelt's rallying cry signaled the beginning of an environmental fight that still wages today. To reconnect with the American wilderness and with the president who courageously protected it, acclaimed nature writer and *New York Times* bestselling author David Gessner embarks on a great American road trip guided by Roosevelt's crusading environmental legacy.



David Gessner is the author of eleven books that blend a love of nature, humor, memoir, and environmentalism, including *Leave It As It Is: A Journey Through Theodore Roosevelt's American Wilderness* and the New York Times-

bestselling *All the Wild That Remains: Edward Abbey, Wallace Stegner and the American West*. Gessner currently serves as Chair of the Creative Writing Department at the University of North Carolina Wilmington, where he is also the founder and Editor-in-Chief of the literary magazine, *Ecotone*.



Other works by David Gessner:

- *All the Wilds that Remins*
- *The Tarball Chronicles*
- *My Green manifesto*
- *The Prophet of Dry Hill*

And more...

Find out more about David Gessner here:

<http://www.davidgessner.net/>

THE STORY OF MORE: How We Got to Climate Change and Where to Go from Here Hope Jahren

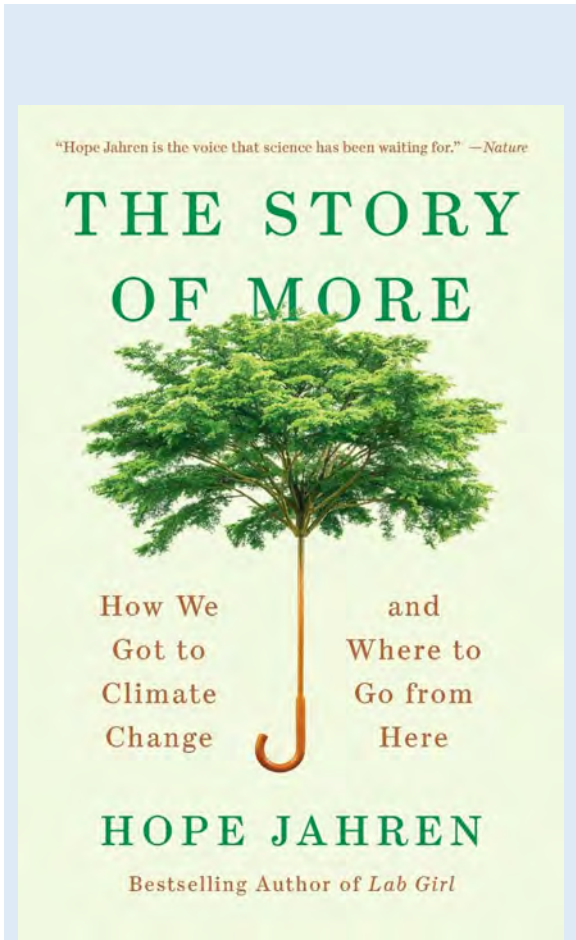
In *The Story of More*, Hope Jahren illuminates the link between human habits and our imperiled planet. In concise, highly readable chapters, she takes us through the science behind the key inventions—from electric power to large-scale farming to automobiles—that, even as they help us, release greenhouse gases into the atmosphere like never before. She explains the current and projected consequences of global warming—from superstorms to rising sea levels—and the actions that we all can take to fight back. At once an explainer on the mechanisms of global change and a lively, personal narrative given to us in Jahren's inimitable voice, *The Story of More* is the essential primer on climate change that will leave an indelible impact on everyone who reads it.



and then at Johns Hopkins University.

She is the recipient of three Fulbright Awards and is one of four scientists, and the only woman, to have been awarded both of the Young Investigator Medals given within the Earth Sciences. She was a tenured professor at the University of Hawaii in Honolulu from 2008 to 2016, where she built the Isotope Geobiology Laboratories, with support from the National Science Foundation, the Department of Energy and the National Institutes of Health. She currently holds the J. Tuzo Wilson professorship at the University of Oslo, Norway.

Hope Jahren is an award-winning scientist who has been pursuing independent research in paleobiology since 1996, when she completed her PhD at University of California Berkeley and began teaching and researching first at the Georgia Institute of Technology



Other works by Hope Jahren:

- *Lab Girl*
- *The Best American Science and Nature Writing 2017*

Check out Hope Jahren's website:

<https://hopejahrensurecanwrite.com/>

<http://jahrenlab.com/>

THE BEST AMERICAN SCIENCE AND NATURE WRITING 2017

Hope Jahren

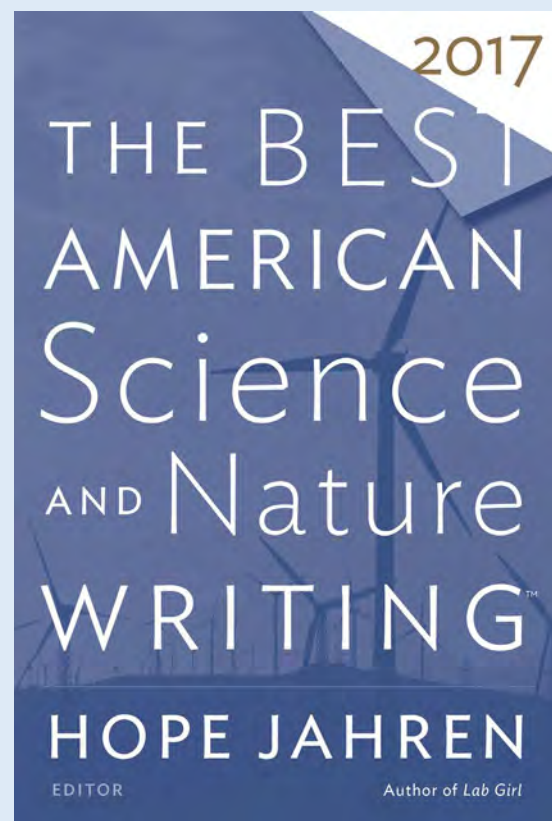
A renowned scientist and the best-selling author of *Lab Girl*, Hope Jahren selects the year's top science and nature writing from writers who balance research with humanity and in the process uncover riveting stories of discovery across disciplines.



Hope Jahren is an award-winning scientist who has been pursuing independent research in paleobiology since 1996, when she completed her PhD at University of California Berkeley and began teaching and researching first at the Georgia Institute of Technology

and then at Johns Hopkins University.

She is the recipient of three Fulbright Awards and is one of four scientists, and the only woman, to have been awarded both of the Young Investigator Medals given within the Earth Sciences. She was a tenured professor at the University of Hawaii in Honolulu from 2008 to 2016, where she built the Isotope Geobiology Laboratories, with support from the National Science Foundation, the Department of Energy and the National Institutes of Health. She currently holds the J. Tuzo Wilson professorship at the University of Oslo, Norway.



Other works by Hope Jahren:

- *Lab Girl*
- *The Story of More: How We Got to Climate Change and Where to Go from Here*

Check out Hope Jahren's website:

<https://hopejahrensurecanwrite.com/>

<http://jahrenlab.com/>

THE EARTH IN HER HANDS: 75 Extraordinary Women Working in the World of Plants

Jennifer Jewell

In this beautiful and empowering book, Jennifer Jewell—host of public radio’s award-winning program and podcast *Cultivating Place*—introduces 75 inspiring women. Working in wide-reaching fields that include botany, floral design, landscape architecture, farming, herbalism, and food justice, these influencers are creating change from the ground up.



Jennifer Jewell is a gardener, garden writer, and gardening educator and advocate. Since 2016, she has written and hosted the national award-winning, weekly public radio program and podcast, *Cultivating Place*, a coproduction of North State Public Radio in Chico, California. Particularly interested in the intersections between gardens, the native plant environments around them, and human culture, she is the daughter of a garden- and floral-

designing mother and a wildlife biologist father. Jennifer has been writing about gardening professionally since 1998, and her work has appeared in *Gardens Illustrated*, *House & Garden*, *Natural Home*, *Old House Journal*, *Colorado Homes & Lifestyles*, and *Pacific Horticulture*.



Other works by Jennifer Jewell:

- *Under Western Skies: Visionary Gardens from the Rocky Mountains to the Pacific Coast*

Find out more about Jennifer Jewell here:

<https://www.cultivatingplace.com/>

Robin W. Kimmerer

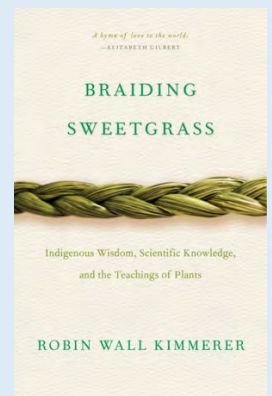
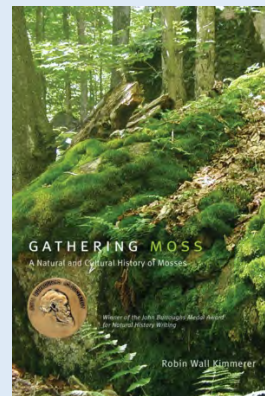


Dr. Kimmerer is a mother, plant ecologist, writer and SUNY Distinguished Teaching Professor at the SUNY College of Environmental Science and Forestry in Syracuse, New York. She serves as the founding Director of the Center for Native Peoples and the Environment whose mission is to create programs which draw on the wisdom of both indigenous and scientific knowledge for our shared goals of sustainability. Her research interests include the role of traditional ecological knowledge in ecological restoration and the ecology of mosses. In collaboration with tribal partners, she and her students have an active research program in the ecology and restoration of plants of cultural significance to Native people. She is active in efforts to broaden access to environmental science education for Native students, and to create new models for integration of indigenous philosophy and scientific tools on behalf of land and culture. She is engaged in programs which introduce the benefits of traditional ecological knowledge to the scientific community, in a way that respects and protects indigenous knowledge.

Dr. Kimmerer's works include:

Novels:

- *Gathering Moss*
- *Braiding Sweetgrass*
- *The Democracy of Species*



Check out more of Dr. Kimmerer's works here:

<https://www.esf.edu/faculty/kimmerer/>

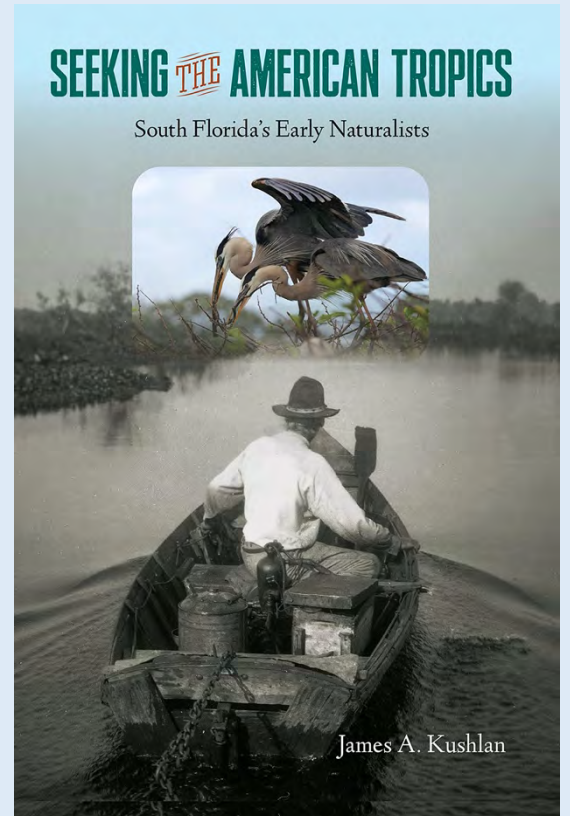
SEEKING THE AMERICAN TROPICS: South Florida's Early Naturalists

James A. Kushlan

For centuries, the southernmost region of the Florida peninsula was seen by outsiders as wild and inaccessible, one of the last frontiers in the quest to understand and reveal the natural history of the continent. *Seeking the American Tropics* tells the stories of the explorers and adventurers who—for better and for worse—helped open the unique environment of South Florida to the world.



James A. Kushlan is a writer, ornithologist, educator, and conservationist. His professional positions included research associate at the Smithsonian Institution, director of Patuxent Wildlife Research Center, professor of biology at the University of Mississippi and Texas A&M, Commerce, and wildlife biologist with the U.S. National Park Service.



Other works by James A. Kushlan:

- *Dry Tortugas National Park*
- *Biscayne National Park*
- *Attracting Birds to South Florida Gardens*
- *Birds of Fairchild*

And more...

Find out more about James A. Kushlan here:

<https://jamesakushlan.com/>

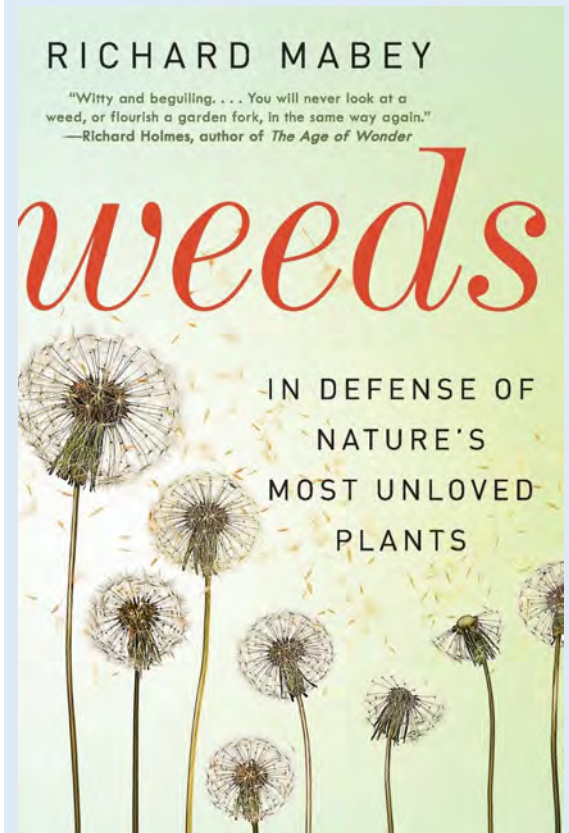
WEEDS: In Defense of Nature's Most Unloved Plants

Richard Mabey

Richard Mabey, Great Britain's Britain's "greatest living nature writer" (*London Times*), has written a stirring and passionate defense of nature's most unloved plants. *Weeds* is a fascinating, eye-opening, and vastly entertaining appreciation of the natural world's unappreciated wildflowers that will appeal to fans of David Attenborough, Robert Sullivan's *Rats*, Amy Stewart's *Wicked Plants*, and to armchair gardeners, horticulturists, green-thumbs, all those who stop to smell the flowers.



Richard Mabey is widely hailed as Britain's foremost nature writer. He is the author of the groundbreaking book on foraging in the countryside *Food for Free* and the editor of *The Oxford Book of Nature Writing*. He has narrated and produced popular BBC television and radio series, and has written for the *Guardian*, *Granta*, and other publications. He lives in Norfolk, England.



Other works by Richard Mabey:

- *Food for Free*
- *The Unofficial Countryside*
- *The Cabaret of Plants: Forty Thousand Years of Plant Life and the Human Imagination*
- *The Cabaret of Plants: Botany and the Imagination*

And more...

Check out Richard Mabey's website here:

<https://richardmabey.co.uk/>

WORLD OF WONDERS:

In Praise of Fireflies, Whale Sharks, and Other Astonishments

Aimee Nezhukumatathil

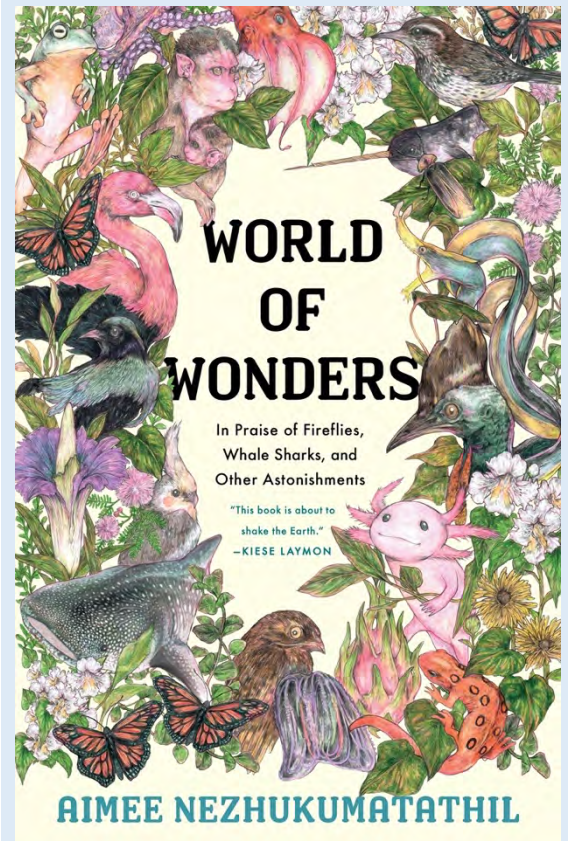
In this beautiful and empowering book, Jennifer Jewell—host of public radio’s award-winning program and podcast *Cultivating Place*—introduces 75 inspiring women. Working in wide-reaching fields that include botany, floral design, landscape architecture, farming, herbalism, and food justice, these influencers are creating change from the ground up.



Aimee Nezhukumatathil is the author of four collections of poems, including, most recently, *Oceanic*, winner of the Mississippi Institute of Arts and Letters Award. Other awards for her writing include fellowships and grants from the Guggenheim Foundation, the National Endowment for the Arts, Mississippi Arts Council, and MacDowell. Her

writing appears in *Poetry*, the *New York Times Magazine*, *ESPN*, and *Tin House*.

She serves as poetry faculty for the Writing Workshops in Greece and is professor of English and creative writing in the University of Mississippi’s MFA program.



Other works by Aimee Nezhukumatathil:

- *Oceanic*
- *Lucky Fish*
- *At the Drive in Volcano*
- *Miracle Fruit*

And more...

Find out more about Aimee Nezhukumatathil here:

<https://aimeenez.net/>

THE JOURNEYS OF TREES:

A Story about Forests, People, and the Future

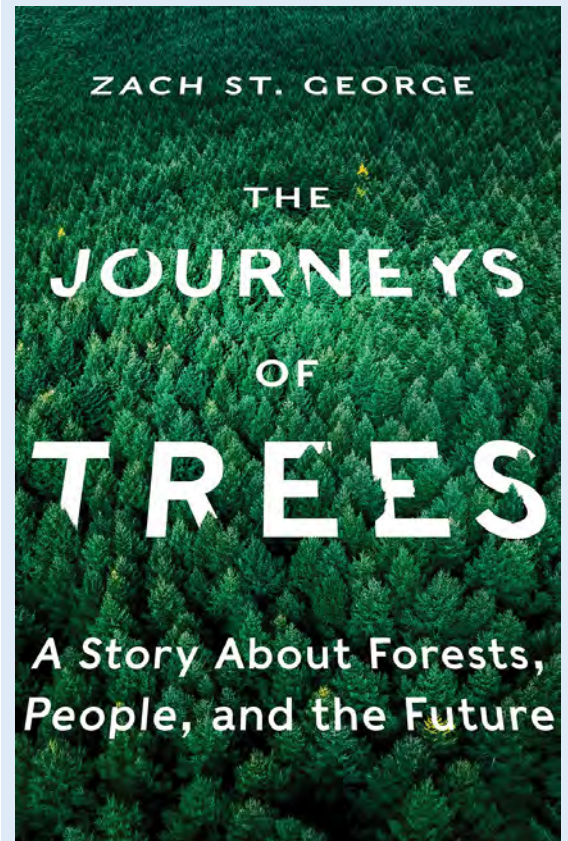
Zach St. George

An urgent and illuminating portrait of forest migration, and of the people studying the forests of the past, protecting the forests of the present, and planting the forests of the future.

Forests are restless. Any time a tree dies or a new one sprouts, the forest that includes it has shifted. When new trees sprout in the same direction, the whole forest begins to migrate, sometimes at astonishing rates. Today, however, an array of obstacles—humans felling trees by the billions, invasive pests transported through global trade—threaten to overwhelm these vital movements. Worst of all, the climate is changing faster than ever before, and forests are struggling to keep up.



Zach St. George is a freelance reporter focused on climate change and conservation. His writing has appeared in *Scientific American*, *The Atlantic*, *Outside*, *Businessweek*, *Orion*, *Guernica*, *Smithsonian*, *Pacific Standard*, *USA Today*, *The San Francisco Chronicle*, *Bay Nature*, and many others. He lives in Baltimore, Maryland.



Find out more about Zach St. George here:

<https://zachstgeorge.com/>

HOW WE GO HOME: Voices from Indigenous North America

Edited by Sara Sinclair

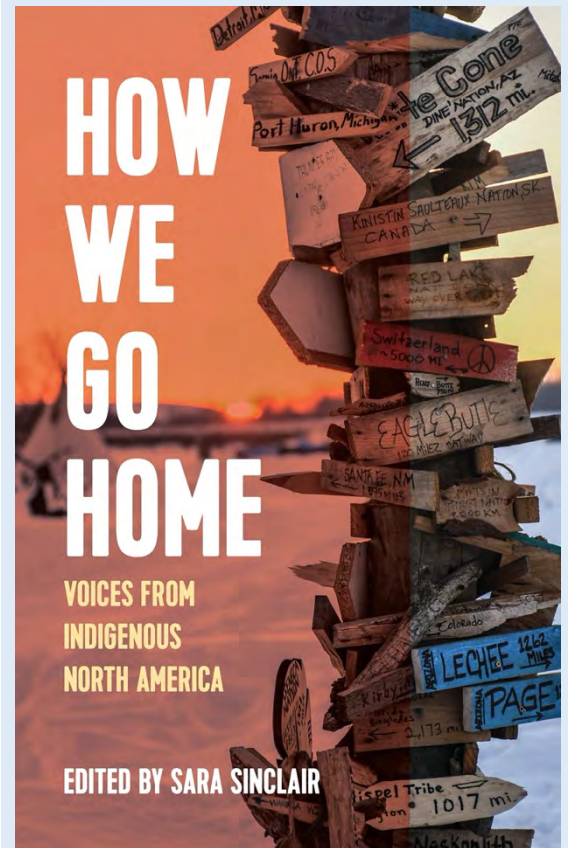
In myriad ways, each narrator's life has been shaped by loss, injustice, and resilience—and by the struggle of how to share space with settler nations whose essential aim is to take all that is Indigenous.

Hear from **Jasilyn Charger**, one of the first five people to set up camp at Standing Rock, which kickstarted a movement of Water Protectors that roused the world; **Gladys Radek**, a survivor of sexual violence whose niece disappeared along Canada's Highway of Tears, who became a family advocate for the National Inquiry into Missing and Murdered Indigenous Women and Girls; and **Marian Naranjo**, herself the subject of a secret radiation test while in high school, who went on to drive Santa Clara Pueblo toward compiling an environmental impact statement on the consequences of living next to Los Alamos National Laboratory. Theirs are stories shaped by loss, injustice, resilience, and the struggle to share space with settler nations.



Sara Sinclair is an oral historian, writer, and educator of Cree-Ojibwe and settler descent. Sara teaches in the Oral History Masters Program at Columbia University. She has contributed to the Columbia Center for Oral History Research's Covid-19 Oral History, Narrative and Memory Archive, Obama Presidency

Oral History, and Robert Rauschenberg Oral History Project. She has conducted oral histories for the Whitney Museum of American Art, New York City Department of Environmental Protection, and the International Labor Organization, among others. Sara is co-editor of *Robert Rauschenberg: An Oral History*, published with Columbia University Press in 2019.



Find out more about Sara Sinclair here:

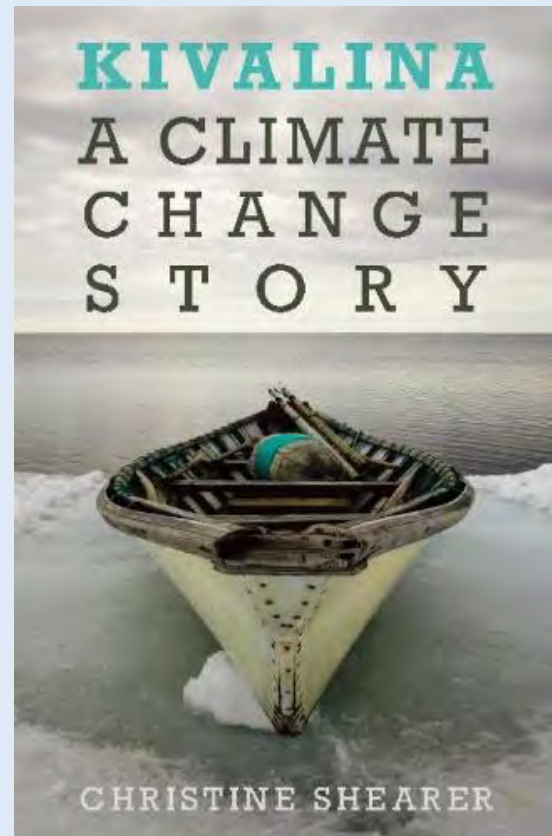
<https://www.saraesinclair.com/>

KIVALINA: A Climate Change Story

Christine Shearer

This book looks at the struggle of Kivalina, a small Alaska Native village that filed a legal claim against some of the world's largest fossil fuel companies for damaging their homeland and creating a false debate around climate change. Academic and journalist Christine Shearer explores the history leading up to the lawsuit, and its relationship to past misinformation campaigns involving lead, asbestos, and tobacco. The book also considers the interconnections between fossil fuels, the global political-economy, and disaster management. Kivalina's struggle for safe relocation, the book argues, is part of our common struggle to acknowledge and address climate change before it is too late.

Christine Shearer is a researcher and analyst for the climate and energy organization Global Energy Monitor. She has previously worked as a postdoctoral scholar in energy, science, and climate issues at UC Irvine and UC Santa Barbara, and as an associate reporter for the Center for Investigative Reporting. Her work has appeared in academic and media publications including Nature, Environmental Research Letters, the New York Times, and National Geographic.



Find out more about Christine Shearer here:

<https://lannan.org/bios/christine-shearer>

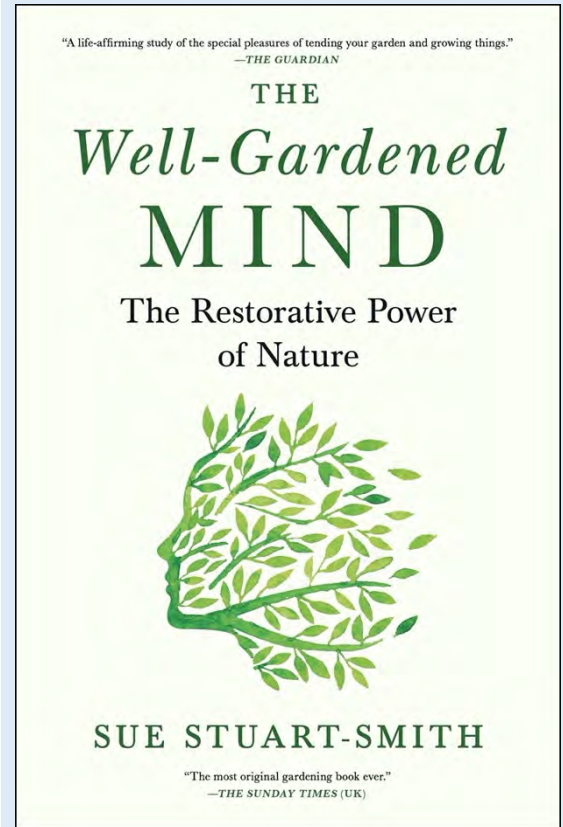
THE WELL-GARDENED MIND: The Restorative Power of Nature

Sue Stuart-Smith

The garden is often seen as a refuge, a place to forget worldly cares, removed from the “real” life that lies outside. But when we get our hands in the earth we connect with the cycle of life in nature through which destruction and decay are followed by regrowth and renewal. Gardening is one of the quintessential nurturing activities and yet we understand so little about it. *The Well-Gardened Mind* provides a new perspective on the power of gardening to change people’s lives. Here, Sue Stuart-Smith investigates the many ways in which mind and garden can interact and explores how the process of tending a plot can be a way of sustaining an innermost self.



Sue Stuart-Smith, a prominent psychiatrist and psychotherapist, took her degree in English literature at Cambridge before qualifying as a doctor. She worked in the National Health Service for many years, becoming the lead clinician for psychotherapy in Hertfordshire. She currently teaches at The Tavistock Clinic in London and is consultant to the DocHealth service. She is married to Tom Stuart-Smith, the celebrated garden designer, and, over thirty years together, they have created the wonderful Barn Garden in Hertfordshire.



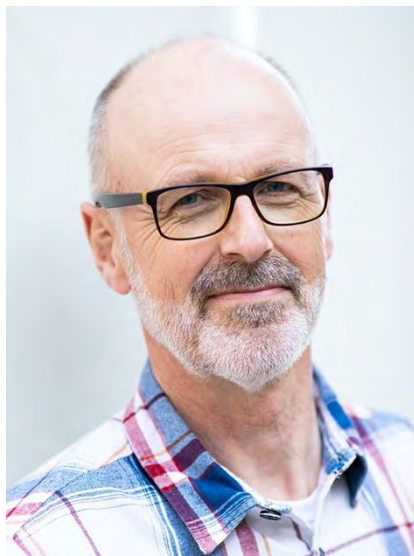
Find out more about Sue Stuart-Smith here:

<https://www.suestuartsmith.com/>

THE HEARTBEAT OF TREES

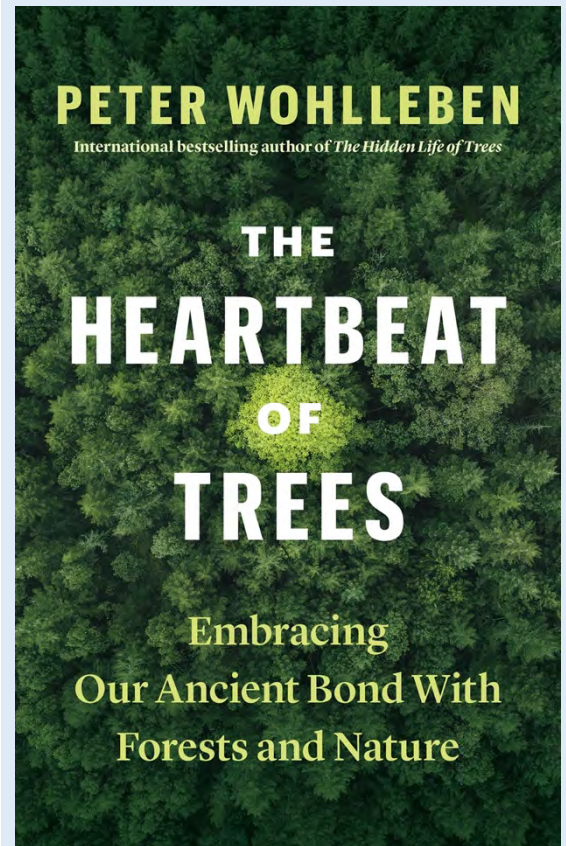
Peter Wohlleben

In *The Heartbeat of Trees*, renowned forester Peter Wohlleben draws on new scientific discoveries to show how humans are deeply connected to the natural world. In an era of cell phone addiction, climate change, and urban life, many of us fear we've lost our connection to nature—but Peter Wohlleben is convinced that age-old ties linking humans to the forest remain alive and intact.



and runs a forest academy where he lives in Germany.

Peter Wohlleben is the author of numerous books, including the *New York Times* bestseller *The Hidden Life of Trees* and its follow-ups *The Inner Life of Animals* and *The Secret Wisdom of Nature*. He is also the author of books for children including *Can You Hear the Trees Talking?* and *Peter and the Tree Children*. When he's not writing, Wohlleben manages a sustainable forest



Other works by Peter Wohlleben:

- *The Hidden Life of Trees: What They Feel, How They Communicate—Discoveries from a Secret World*
- *The Inner Life of Animals: Love, Grief, and Compassion: Surprising Observations of a Hidden World*
- *The Secret Wisdom of Nature: Trees, Animals, and the Extraordinary Balance of All Living Things—Stories from Science and Observation*

And more...

Check out more of Peter Wohlleben's works here:

<https://www.peter-wohlleben.de/>

ADDITIONAL RESOURCES

POLLUTION IS KILLING BLACK AMERICANS. THIS COMMUNITY FOUGHT BACK.

Linda Villarosa

African Americans are 75 percent more likely than others to live near facilities that produce hazardous waste. Can a grass-roots environmental-justice movement make a difference?

READ OR LISTEN TO THE FULL FEATURE HERE:

<https://nyti.ms/2Bzkheu>



CATEGORY: Environmental

ORION & THE NEW YORKER ON ENVIRONMENTAL STORYTELLING

An Interview with David Remnick and Henry Finder.

Orion's reviews editor Kerri Arsenault spoke virtually with *The New Yorker*'s David Remnick and Henry Finder, editor and editorial director, respectively, about nature and storytelling.



CATEGORY: Environmental & Climate

READ THE FULL INTERVIEW HERE:

https://orionmagazine.org/article/orion-magazine-the-new-yorker-on-environmental-storytelling/?mc_cid=bebec1914c&mc_eid=22eb287b73

BELIEVE IT OR NOT, FORESTS MIGRATE—BUT NOT FAST ENOUGH FOR CLIMATE CHANGE (NPR)

Ari Shapiro

When it comes to climate change, "you can see these vast changes in the future, and you can be worried about them, but you can still continue to do good and work in the moment for small things," says Zach St. George. —Excerpt from the NPR Interview.

**READ OR LISTEN TO THIS INTERVIEW WITH
ZACH ST. GEORGE HERE:**

<https://www.npr.org/2020/07/28/896030567/believe-it-or-not-forests-migrate-but-not-fast-enough-for-climate-change>



CATEGORY: Climate

MYRIAM SARACHIK NEVER GAVE UP ON PHYSICS

Kenneth Chang

The New York-based scientist overcame sexism and personal tragedy to make major contributions to the field, for which she received recognition this year.

READ THE FULL PROFILE HERE:

<https://nyti.ms/2YPjEUA>



CATEGORY: WOMEN IN STEM

24 HOURS OF REALITY: "EARTHRISE" BY AMANDA GORMAN

"It is a hope that implores us at an uncompromising core to keep rising up for an Earth more than worth fighting for."

“[Earthrise](#)” four-minute poem as part of a [Climate Reality Project](#) “24 hours of reality.”

WATCH THE FULL POEM HERE:

<https://youtu.be/xwOvBv8RLmo>



CATEGORY: CLIMATE, POEM

RESIDENCIES

OAK SPRING GARDEN FOUNDATION RESIDENCY:

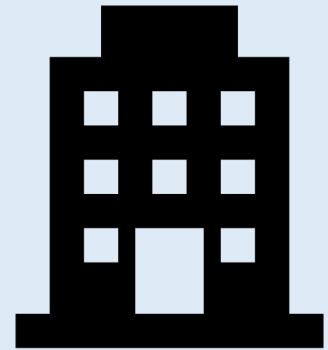
The residency programs at Oak Spring were established in 2018, expanded in 2019, and further developed in 2020. In 2021 we will offer a still more extensive portfolio of three different residency types: i) 5-week Interdisciplinary Residencies; ii) Alumni Residencies; iii) and Botanical Art Residencies. Click below for more information and to apply to each program:

<https://www.osgf.org/residencies>

ARTISTS IN RESIDENCE IN THE EVERGLADES (AIRIE)

AIRIE's residency program provides artists the opportunity to live and work inside Everglades National Park, the largest tropical wilderness in the United States. We connect artists with park rangers, scientists, biologists, cultural historians, and community leaders to promote the understanding of the unique ecosystem of the Everglades, and our environment at large.

<https://www.airie.org/>



CATEGORY: PROGRAMS/ RESIDENCY

TREEHOUSE CLIMATE ACTION POEM PRIZE

The Treehouse Climate Action Poem Prize is given to honor exceptional poems that help make real for readers the gravity of the vulnerable state of our environment at present.

Established in 2019 with generous support from Treehouse Investments, the prize will honor three poets. First place will receive \$1,000; second place, \$750; and third place, \$500. In addition, all three poems will be published in the popular Poem-a-Day series, which is distributed to 500,000 readers. Poems may also be featured in the award-winning education series Teach This Poem, which serves 35,000 educators each week.

Submissions were accepted from September 1 to November 1, 2020. The judges for the 2021 Treehouse Climate Action Poem Prize are award-winning poet Camille T. Dungy and climate solutions strategist Katharine K. Wilkinson.

FOR MORE INFORMATION:

https://poets.org/academy-american-poets/prizes/treehouse-climate-action-poem-prize?mc_cid=19efc9dfbc&mc_eid=0407f9f8fe



CATEGORY: PROGRAMS/ PRIZES

BOTANICAL PROGRAMS

CONNECT TO PROTECT NETWORK:

www.fairchildgarden.org/CTPN

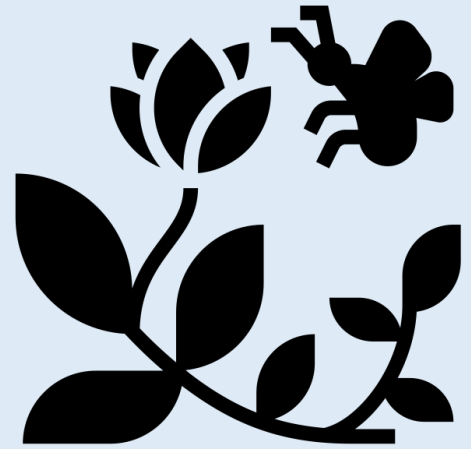
Connect to Protect Network enlists South Florida residents (Miami & The Keys) to plant native plants in order to connect the few remaining isolated fragments of **pine rockland**--a globally critically imperiled plant community. Planted areas can include private yards, rights-of-way, and public lands such as schools or community parks. Installing native pine rockland plants increases the probability that bees, butterflies and birds can find and transport seeds and pollen across developed areas that separate pine rockland fragments, improving gene flow and genetic health of native plant species.

GROWING BEYOND EARTH:

<https://www.fairchildgarden.org/Science-Conservation-/Growing-Beyond-EarthNasa-and-Fairchild>

Growing Beyond Earth is a highly successful classroom-based citizen science research project operated in partnership with NASA. This classroom-based STEM program is a series of authentic plant experiments conducted by students using equipment similar to NASA's Vegetable Production System. GBE evolved out of NASA's efforts to find suitable crops for long term space missions. With experiments currently in progress in more than 235 middle and high schools across the country, GBE is providing a steady stream of valuable data to NASA scientists who are developing technologies for growing food crops for long-duration missions into deep space.

Now in its sixth year Growing Beyond Earth has inspired and engaged over 10,000 middle and high school students and their teachers nationwide.



CATEGORY: PROGRAMS/ BOTANICAL

BOTANICAL PROGRAMS

MIAMI BEACH BOTANICAL GARDEN:

<https://www.mbgarden.org/>

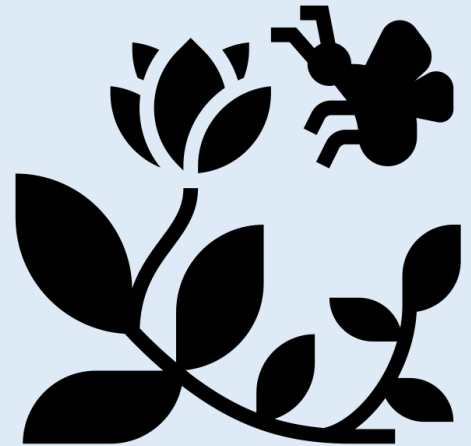
The Garden Center houses our Nursery, Propagation Center and outdoor classroom. Choose from an array of native plants, succulents, philodendron, flowering vines, and a selection of plants propagated from our collection and ornamental exotics for purchase. Pick up a bag of Garden Compost Soil and watch your plants flourish. Speak with our horticulture experts to be sure you have the right plant for the right place and get tips on caring for your garden. Open during Garden hours.

THE KAMPONG GARDEN:

<https://ntbg.org/gardens/kampong/>

Located on Biscayne Bay in Coconut Grove, Florida, The Kampong contains a fascinating array of tropical fruit cultivars and flowering trees. Named for the Malay or Javanese word for a village or cluster of houses, The Kampong is the former estate of Dr. David Fairchild, the famed botanical explorer who traveled throughout Southeast Asia and other tropical regions collecting exotic plants he introduced to the U.S.

Kampong Planting Heritage collections from Southeast Asia, Central and South Americas, the Caribbean, and other tropical locales create a cornucopia of exotic fruit, including candle fruit, peanut butter fruit, egg fruit, cocoplums, and over 50 varieties of mango. Numerous species of palms, cycads, and flowering trees are studied by scientists from the world over. The Kampong serves as the mainland campus for NTBG's educational courses, as a living classroom used by universities and colleges for botany and horticulture courses and is a popular spot for plant enthusiasts of all ages.



CATEGORY: PROGRAMS/ BOTANICAL

ADDITIONAL PROGRAMS

ADOPT-A-TREE:

The Adopt-a-Tree program provides Miami-Dade single-family and duplex homeowners with two free trees every year. More than 200,000 trees have been adopted since the program's inception in 2001.

<https://www.miamidade.gov/adopt-a-tree/>

CATEGORY: CONSERVATION

MIAMI ECOADVENTURES:

Kayak and snorkel off Key Biscayne, bike through scenic trails or join a nighttime owl walk. Become a volunteer and join our team of nature enthusiasts. We also offer programs for students from K-12 and seasonal Nature Camps for your child.

CATEGORY: RECREATIONAL

EARTH LITERACY:

Earth Literacy offers ever-greater understanding of the evolution of the Universe and the interconnectedness of all being. Rooted in evidence-based knowledge, this cosmological context informs a worldview, guides all fields of study, and inspires social change. Earth Literacy recognizes Earth as educator and honors the wisdom found in Earth systems as well as the mystery and numinous beauty within the Universe. Earth Literacy allows us to discover our role within the story of Earth and the Universe, transforming our beliefs and actions so as to create mutually-enhancing, sustainable, resilient relationships with Earth's community of life.

<http://www.earthethicsinstitute.org/>

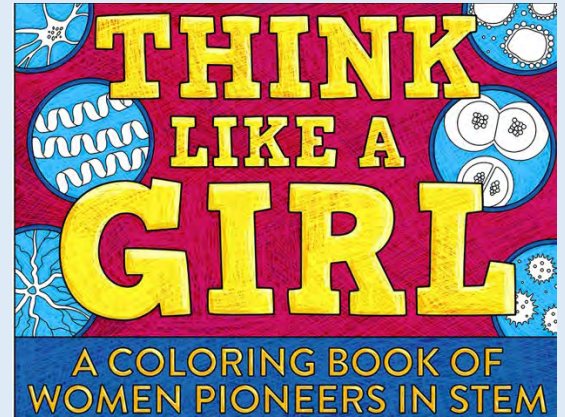
CATEGORY: PROGRAM

ADDITIONAL RESOURCES

THINK LIKE A GIRL: A COLORING BOOK OF WOMEN PIONEERS IN STEM:

The coloring book includes descriptions of each of the 19 featured scientists' work, accompanied by illustrations of the scientists, as well as a list of organizations that support gender equity and diversity in STEM.

In the book's introduction, Pardis Sabeti writes, "Women and girls are continuously breaking down barriers to empower others to join the collective force towards scientific advancement. Scientific ingenuity thrives on creativity, inquisitive minds, and true diversity of thought, ideas, and experiences." Pardis is a computational biologist and the recipient of a Vilcek Prize for Creative Promise in Biomedical Science; she is also one of the scientists featured in the coloring book.



**Download a free copy of Think Like a Girl:
a coloring book here:**

https://vilcek.org/wp-content/uploads/2021/02/VilcekFoundation_Women_Pioneers_In_STEM_ColoringBook.pdf

MENTAL HEALTH RESOURCES

JCS HELPLINE SERVICES:

2-1-1 Your 24/7 source for information and resources for all health and human services in Miami-Dade and Monroe counties.

<https://jcsfl.org/services/helpline/>

INSTITUTE FOR CHILD AND FAMILY HEALTH:

The Institute for Child and Family Health (ICFH) - formerly the Children's Psychiatric Center (CPC) - is a private, not-for-profit organization that has been providing health, behavioral health, educational, and prevention services to the children, adolescents, and families of Miami-Dade County since 1945. It is one of the oldest and largest community health centers exclusively dedicated to the well being of children and families in the state of Florida. ICFH serves over 30,000 children, adolescents, and families per year.

<http://www.icfhinc.org/default.asp>

