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## Soundings

# The Story of the Remarkable Woman Who Mapped the Ocean Floor

**Henry Holt and Company Her maps of the ocean floor have been called "one of the most remarkable achievements in modern cartography", yet no one knows her name. Soundings is the story of the enigmatic, unknown woman behind one of the greatest achievements of the 20th century. Before Marie Tharp, geologist and gifted draftsman, the whole world, including most of the scientific community, thought the ocean floor was a vast expanse of nothingness. In 1948, at age 28, Marie walked into the newly formed geophysical lab at Columbia University and practically demanded a job. The scientists at the lab were all male; the women who worked there were relegated to secretary or assistant. Through sheer willpower and**

obstinacy, Marie was given the job of interpreting the soundings (records of sonar pings measuring the ocean's depths) brought back from the ocean-going expeditions of her male colleagues. The marriage of artistry and science behind her analysis of this dry data gave birth to a major work: the first comprehensive map of the ocean floor, which laid the groundwork for proving the then-controversial theory of continental drift. When combined, Marie's scientific knowledge, her eye for detail and her skill as an artist revealed not a vast empty plane, but an entire world of mountains and volcanoes, ridges and rifts, and a gateway to the past that allowed scientists the means to imagine how the continents and the oceans had been created over time. Just as Marie dedicated more than twenty years of her professional life to what became the Lamont Geological Observatory, engaged in the task of mapping every ocean on Earth, she dedicated her personal life to her great friendship with her co-worker, Bruce Heezen. Partners in work and in many ways, partners in life, Marie and Bruce were devoted to one another as they rose to greater and greater prominence in the scientific community, only to be envied and finally dismissed by their beloved institute. They went on together, refining and perfecting their work and contributing not only to humanity's vision of the ocean floor, but to the way subsequent generations would view the Earth as a whole. With an imagination as intuitive as Marie's, brilliant young writer Hali Felt brings to vivid life the story of the pioneering scientist whose work became the basis for the work of others scientists for generations to come.

## Marie's Ocean

# Marie Tharp Maps the Mountains Under the Sea

Henry Holt and Company (BYR) A National Science Teaching Association Best STEM Book of 2021 A NCSS Notable Social Studies Trade Book for Young Readers Honor Selection A Junior Library Guild Selection A mixed-format picture book biography of Marie Tharp, the remarkable woman who mapped the ocean floor. Marie Tharp earned a graduate degree in geology in the 1940s, at a time when scientific careers were largely unavailable to women. Marie's vision and tenacity paved the way for her to become one of the greatest oceanographic cartographers of the 20th century. She was the first person to map the ocean floor and discover the 40,000 mile long Mid-Ocean Ridge and Rift Valley. Her astounding discovery supported the theory of continental drift, which led to the theory of plate tectonics. But it was not an easy road, and Marie struggled to receive the credit she deserved for her discovery. From Marie Tharp's early childhood dreams all the way to her defining achievement, Josie James's Marie's Ocean is the story of one of earth science's greatest hidden figures. Christy Ottaviano

## Books

# Solving the Puzzle Under the Sea

## Marie Tharp Maps the Ocean Floor

**Simon and Schuster "This illustrated biography shares the story of female scientist, Marie Tharp, a pioneering woman scientist and the first person to ever successfully map the ocean floor"--**

## Ocean Speaks

# How Marie Tharp Revealed the Ocean's Biggest Secret

**Tundra Books Meet Marie Tharp (1920-2006), the first person to map the Earth's underwater mountain ridge, in this inspiring picture book biography from the author of Shark Lady. From a young age, Marie Tharp loved watching the world. She loved solving problems. And she loved pushing the limits of what girls and women were expected to do and be. In the mid-twentieth century, women were not welcome in the sciences, but Marie was tenacious. She got a job at a laboratory in New York. But then she faced another barrier: women were not allowed on the research ships (they were considered bad luck on boats). So instead, Marie stayed back and dove deep into the data her colleagues recorded. She mapped point after point and slowly revealed a deep rift valley in the ocean floor. At first the scientific community refused to believe her, but her evidence was irrefutable. She proved to the world that her research was correct. The mid-ocean ridge that Marie discovered is the single largest geographic feature on the planet, and she mapped it all from her small, cramped office.**

## Women and Geology

# Who Are We, Where Have We Come From, and Where Are We Going?

**Geological Society of America Women have been a part of the story of geology from the beginning, but they have struggled to gain professional opportunities, equal pay, and respect as scientists for decades. Some have been dismissed, some have been forced to work without pay, and some**

have been denied credit. This volume highlights the progress of women in geology, including past struggles and how remarkable individuals were able to overcome them, current efforts to draw positive attention and perceptions to women in the science, and recruitment and mentorship efforts to attract and retain the next generation of women in geology. Chapters include the first American women researchers in Antarctica, a survey of Hollywood disaster movies and the casting of women as geologists, social media campaigns such as #365ScienceSelfies, and the stories of the Association for Women Geoscientists and the Earth Science Women's Network and their work to support and mentor women in geology.

## Celebrating 100 Years of Female Fellowship of the Geological Society: Discovering Forgotten Histories

**Geological Society of London** The Geological Society of London was founded in 1807. At the time, membership was restricted to men, many of whom became well-known names in the history of the geological sciences. On the 21 May 1919, the first female Fellows were elected to the Society, 112 years after its formation. This Special Publication celebrates the centenary of that important event. In doing so it presents the often untold stories of pioneering women geoscientists from across the world who navigated male-dominated academia and learned societies, experienced the harsh realities of Siberian field-exploration, or responded to the strategic necessity of the 'petroleum girls' in early American oil exploration and production. It uncovers important female role models in the history of science, and investigates why not all of these women received due recognition from their contemporaries and peers. The work has identified a number of common issues that sometimes led to original work and personal achievements being lost or unacknowledged, and as a consequence, to histories being unwritten.

## Grasping Mysteries

## Girls Who Loved Math

**Atheneum Books for Young Readers** Learn about seven groundbreaking women in math and science in this gorgeously written biographical novel-in-verse, a companion to the "original and memorable" (Booklist, starred

review) **Finding Wonders: Three Girls Who Changed Science.** After a childhood spent looking up at the stars, Caroline Herschel was the first woman to discover a comet and to earn a salary for scientific research. Florence Nightingale was a trailblazing nurse whose work reformed hospitals and one of the founders of the field of medical statistics. The first female electrical engineer, Hertha Marks Ayrton registered twenty-six patents for her inventions. Marie Tharp helped create the first map of the entire ocean floor, which helped scientists understand our subaquatic world and suggested how the continents shifted. A mathematical prodigy, Katherine Johnson calculated trajectories and launch windows for many NASA projects including the Apollo 11 mission. Edna Lee Paisano, a citizen of the Nez Perce Nation, was the first Native American to work full time for the Census Bureau, overseeing a large increase in American Indian and Alaskan Native representation. And Vera Rubin studied more than two hundred galaxies and found the first strong evidence for dark matter. Told in vibrant, evocative poems, this stunning novel celebrates seven remarkable women who used math as their key to explore the mysteries of the universe and grew up to do innovative work that changed the world.

## Women in American Cartography

### An Invisible Social History

Lexington Books Although women have been involved in mapping throughout history, their story has largely been hidden. The standard histories of cartography have focused on men. A woman's name is rarely found. In *Women in American Cartography*, Judith Tyner argues that women were not deliberately erased but overlooked because of the types of maps they made and the jobs they held. Tyner looks at over fifty women exemplars in American cartography and their maps. She looks at teachers who made school atlases in the early nineteenth century; at pictorial mapmakers and book illustrators who created popular maps; at women who pioneered social and persuasive mapping, promoting causes such as suffrage; at women travelers who recorded their trips and mapped unexplored places; at women whose maps helped win World War II; at women academics who studied, taught, and wrote about cartographic theory at colleges and universities; and at women who worked in government agencies and commercial mapping companies. These are just a few of the stories of women in American cartography.

### The Philosophy of GIS

Springer This anthology aims to present the fundamental philosophical issues and tools required by the reflection within and upon geography and Geographic Information Systems (GIS) . It is an introduction to the

philosophy for GIScience from an analytical perspective, which looks at GIS with a specific focus on its fundamental and most general concepts and distinctions. The first part of the book is devoted to explore some of the main philosophical questions arising from GIS and GIScience, which include, among others, investigations in ontology, epistemology, linguistics and geometrical modeling. The second part concerns issues related to spatial and cartographical representations of the geographical world. The third part is focused on the ontology of geography, specifically in terms of geographical entities, objects and boundaries. Finally, in the fourth part, the topic of GIS constitutes a starting point for exploring themes such as quantum geography and disorientation, and for defining professional profiles for geographers with competences in GIS environment. This book on a new and unexplored field of research could be a fundamental point of reference for professional philosophers and geographers interested in the theoretical reflection about the foundational concepts of GIScience. It is also interesting reading material for students (both undergraduates, postgraduates and Ph.D. students) in philosophy, geography, applied ontology, GIScience, geomatics and computer science.

## The Floors of the Oceans, V1

## The North Atlantic

Text To Accompany The Physiographic Diagram Of The North Atlantic. The Geological Society Of America Special Paper, No. 65.

## Super Women

## Six Scientists Who Changed the World

Holiday House Break through the glass ceiling with six incredible women whose scientific research changed the world. Katherine Coleman Johnson. Eugenie Clark. Marie Tharp. Gertrude Elion. Florence Hawley Ellis. Eleanor Margaret Burbidge. Acclaimed author Laurie Lawlor deftly paints portraits of each of these figures who refused to take no for an answer, pursuing their passions through fieldwork, observations, laboratories, and research vessels in the face of sexism, racism, and more. This diverse group of women, all with awe-inspiring accomplishments, were active mentors and determined people who wouldn't take no for an answer. The beautifully written book includes key photographs, a glossary, and source notes. A 2018 NSTA-CBC Outstanding Science Trade Book for Students K-12!

# Oceanic Histories

**Cambridge University Press Oceanic Histories is the first comprehensive account of world history focused not on the land but viewed through the 70% of the Earth's surface covered by water. Leading historians trace the history of the Indian, Pacific, and Atlantic Oceans and seas, from the Arctic and the Baltic to the South China Sea and the Sea of Japan/Korea's East Sea, over the longue dure. Individual chapters trace the histories and the historiographies of the various oceanic regions, with special attention given to the histories of circulation and particularity, the links between human and non-human history and the connections and comparisons between parts of the World Ocean. Showcasing oceanic history as a field with a long past and a vibrant future, these authoritative surveys, original arguments and guides to research make this volume an indispensable resource for students and scholars alike.**

# Mysterious Ocean

# Physical Processes and Geological Evolution

**Springer This book provides an introduction to ocean sciences that is engaging, evocative and accessible to non-experts interested in marine geoscience, while sparking readers' interest in important unsolved mysteries in marine science. The scope of the book is quite broad, but focuses on the physical ocean and its geological evolution, including the author's experiences working as an oceanographer over the last thirty years. Across ten chapters, the book traces the origins of the ocean from its formation 4 billion years ago, reviews the discoveries of the theory of plate tectonics, the ice ages and the great ocean conveyor, and discusses seafloor features (canyons, seamounts, trenches, abyssal plains, etc.), how they formed and their current environmental issues. The book concludes with a prognosis for the future ocean we might expect with global climate change and other human impacts.**

# The Outlaw Ocean

# Crime and Survival in the Last

## Untamed Frontier

**Random House 'Just incredible' Naomi Klein 'Gripping and shocking...with the pace of a thriller' The Times A New York Times bestseller, The Outlaw Ocean is a riveting, adrenalin-fuelled tour of a vast, lawless and rampantly criminal world that few have ever seen: the high seas. The oceans are some of the last untamed frontiers on our planet. Too big to police, and under no clear international authority, these treacherous waters play host to the extremes of human behaviour and activity. From traffickers, smugglers and pirates to vigilante conservationists, stowaways and seabound abortion-providers, Ian Urbina introduces us to the inhabitants of this hidden world and their risk-fraught lives. Through their extraordinary stories, he uncovers a globe-spanning network of crime and exploitation that emanates from the fishing, oil and shipping industries - but to which all of us are connected. **LONGLISTED FOR THE BAILLIE GIFFORD PRIZE 2019** 'An astonishing book about a world most of us don't even know exists' Oliver Bullough, author of Moneyland 'An outstanding investigation of a global criminal culture on the high seas' Guardian 'Truly important... A complex portrait of an unseen and disturbing world' New York Times**

## Mapping Mountains

**BRILL Mountains appear in the oldest known maps yet their representation has proven a notoriously difficult challenge. Ernesto Capello surveys both the technical history of relief representation and the broad history of the allegorical, commercial and political uses of mapping mountains.**

## The Image of the City

**MIT Press The classic work on the evaluation of city form. What does the city's form actually mean to the people who live there? What can the city planner do to make the city's image more vivid and memorable to the city dweller? To answer these questions, Mr. Lynch, supported by studies of Los Angeles, Boston, and Jersey City, formulates a new criterion—imageability—and shows its potential value as a guide for the building and rebuilding of cities. The wide scope of this study leads to an original and vital method for the evaluation of city form. The architect, the planner, and certainly the city dweller will all want to read this book.**

## Hydrohumanities

# Water Discourse and Environmental Futures

Univ of California Press Introduction : hydrohumanities / Kim De Wolff and Rina C. Faletti I. -- The agency of water and the Canal du Midi / Chandra Mukerji -- Winnipeg's aspirational port and the future of Arctic shipping (the geo-cultural version) / Stephanie C. Kane -- Radical water / Irene Klaver -- Water, extractivism, biopolitics, and Latin American indigeneity in Arguedas's *Los ríos profundos* and Potdevin's *Palabrero* / Ignacio López-Calvo and Hugo A. López Chavolla -- Water as the medium of measurement : mapping global oceans in the nineteenth and twentieth centuries / Penelope Hardy -- Aquapelagic malolos : Island-water imaginaries in Coastal Bulacan, Philippines / Kale Bantigue Fajardo -- The invisible sinking surface: hydrogeology, fieldwork, and photography in California / Rina C. Faletti -- Irrigated gardens of the Indus River Basin : toward a cultural model for water resource management / James Wescoat and Abubakr Muhammed -- Leadership in principle : uniting nations to recognize the cultural value of water / Veronica Strang.

## Arc Marine

## GIS for a Blue Planet

ESRI, Inc. Authors of the book *Arc Marine* discuss results of a successful effort to create and define a data model for academic, government, military, and private oceanographers, resource managers, conservationists, geographers, nautical archaeologists, and analysts and managers of marine applications. *Arc Marine* is the perfect starting point for the intermediate marine student as well as a resource for the marine GIS expert. At a time when health of our oceans is seen as crucial to our existence, marine researchers have developed a data model that supports sea floor mapping, fisheries management, marine mammal tracking, monitoring shoreline change, and water temperature analysis. This book enables marine professionals to do better work.

## The Story of the Earth in 25 Rocks

## Tales of Important Geological

# Puzzles and the People Who Solved Them

**Columbia University Press** Every rock is a tangible trace of the earth's past. *The Story of the Earth in 25 Rocks* tells the fascinating stories behind the discoveries that shook the foundations of geology. In twenty-five chapters—each about a particular rock, outcrop, or geologic phenomenon—Donald R. Prothero recounts the scientific detective work that shaped our understanding of geology, from the unearthing of exemplary specimens to tectonic shifts in how we view the inner workings of our planet. Prothero follows in the footsteps of the scientists who asked—and answered—geology's biggest questions: How do we know how old the earth is? What happened to the supercontinent Pangea? How did ocean rocks end up at the top of Mount Everest? What can we learn about our planet from meteorites and moon rocks? He answers these questions through expertly chosen case studies, such as Pliny the Younger's firsthand account of the eruption of Vesuvius; the granite outcrops that led a Scottish scientist to theorize that the landscapes he witnessed were far older than Noah's Flood; the salt and gypsum deposits under the Mediterranean Sea that indicate that it was once a desert; and how trying to date the age of meteorites revealed the dangers of lead poisoning. Each of these breakthroughs filled in a piece of the greater puzzle that is the earth, with scientific discoveries dovetailing with each other to offer an increasingly coherent image of the geologic past. Summarizing a wealth of information in an entertaining, approachable style, *The Story of the Earth in 25 Rocks* is essential reading for the armchair geologist, the rock hound, and all who are curious about the earth beneath their feet.

## Middlesex

**CUP Archive** In the spring of 1974, Calliope Stephanides, a student at a girl's school in Grosse Pointe, Michigan, finds herself drawn to a chain-smoking, strawberry-blonde classmate with a gift for acting. The passion that furtively develops between them, as well as Callie's failure to develop, leads Callie to suspect that she is not like other girls. In fact, she is not a girl at all; due to a rare genetic mutation Callie is part girl, part boy.

## By the Iowa Sea

### A Memoir

**Simon and Schuster** Recounts how the author journeyed from an idealistic, freedom-loving youth to a jaded and financially struggling father of four

and how a catastrophic flood helped him to reconnect with the faith and courage of his childhood. 25,000 first printing.

## The Ice Age

### A Very Short Introduction

Oxford University Press "In an era of warming climate, the study of the ice age past is now more important than ever. This book examines the wonders of the Quaternary ice age - to show how ice age landscapes and ecosystems were repeatedly and rapidly transformed as plants, animals, and humans reorganized their worlds." --Publisher.

## The Psychosocial Implications of Disney Movies

MDPI In this volume of 15 articles, contributors from a wide range of disciplines present their analyses of Disney movies and Disney music, which are mainstays of popular culture. The power of the Disney brand has heightened the need for academics to question whether Disney's films and music function as a tool of the Western elite that shapes the views of those less empowered. Given its global reach, how the Walt Disney Company handles the role of race, gender, and sexuality in social structural inequality merits serious reflection according to a number of the articles in the volume. On the other hand, other authors argue that Disney productions can help individuals cope with difficult situations or embrace progressive thinking. The different approaches to the assessment of Disney films as cultural artifacts also vary according to the theoretical perspectives guiding the interpretation of both overt and latent symbolic meaning in the movies. The authors of the 15 articles encourage readers to engage with the material, showcasing a variety of views about the good, the bad, and the best way forward.

## Meetings with Remarkable Men

Penguin UK The exhilarating, life-affirming call to spiritual arms from world-renowned spiritual teacher G. I. Gurdjieff 'Gurdjieff's voice is heard as a call. He calls because he suffers from the inner chaos in which we live. He calls to us to open our eyes. He asks us why we are here, what we wish for, what forces we obey. He asks us, above all, if we understand what we are . . .' Part adventure narrative, part travelogue, part spiritual guide, Meetings with Remarkable Men is suffused with Gurdjieff's unique perspective on life. With vivacity and charm, he organizes his account around portraits of the remarkable men and women who accompanied him

through remote parts of the Near East and Central Asia, and who aided his search for hidden knowledge. Among them are Gurdjieff's own father (a traditional bard), a Russian prince dedicated to the search for Truth, a Christian missionary who entered a World Brotherhood deep in Asia, and a woman who escaped slavery to become a trusted member of Gurdjieff's group of fellow seekers. *Meetings with Remarkable Men* conveys a haunting sense of what it means to live fully - with conscience, with purpose and with heart.

## Grasping Mysteries

## Girls Who Loved Math

**Simon and Schuster** A biographical novel in verse of seven girls from different time periods who used math to explore the mysteries of the universe and grew up to do innovative work that changed history.

## Routes and Roots

## Navigating Caribbean and Pacific Island Literatures

**University of Hawaii Press** Elizabeth DeLoughrey invokes the cyclical model of the continual movement and rhythm of the ocean ('tidalectics') to destabilize the national, ethnic, and even regional frameworks that have been the mainstays of literary study. The result is a privileging of alter/native epistemologies whereby island cultures are positioned where they should have been all along—at the forefront of the world historical process of transoceanic migration and landfall. The research, determination, and intellectual dexterity that infuse this nuanced and meticulous reading of Pacific and Caribbean literature invigorate and deepen our interest in and appreciation of island literature. —Vilsoni Hereniko, University of Hawai'i "Elizabeth DeLoughrey brings contemporary hybridity, diaspora, and globalization theory to bear on ideas of indigeneity to show the complexities of 'native' identities and rights and their grounded opposition as 'indigenous regionalism' to free-floating globalized cosmopolitanism. Her models are instructive for all postcolonial readers in an age of transnational migrations." —Paul Sharrad, University of Wollongong, Australia *Routes and Roots* is the first comparative study of Caribbean and Pacific Island literatures and the first work to bring indigenous and diaspora literary studies together in a sustained dialogue. Taking the "tidalectic" between land and sea as a dynamic starting point, Elizabeth DeLoughrey foregrounds geography and

history in her exploration of how island writers inscribe the complex relation between routes and roots. The first section looks at the sea as history in literatures of the Atlantic middle passage and Pacific Island voyaging, theorizing the transoceanic imaginary. The second section turns to the land to examine indigenous epistemologies in nation-building literatures. Both sections are particularly attentive to the ways in which the metaphors of routes and roots are gendered, exploring how masculine travelers are naturalized through their voyages across feminized lands and seas. This methodology of charting transoceanic migration and landfall helps elucidate how theories and people travel, positioning island cultures in the world historical process. In fact, DeLoughrey demonstrates how these tropical island cultures helped constitute the very metropolises that deemed them peripheral to modernity. Fresh in its ideas, original in its approach, *Routes and Roots* engages broadly with history, anthropology, and feminist, postcolonial, Caribbean, and Pacific literary and cultural studies. It productively traverses diaspora and indigenous studies in a way that will facilitate broader discussion between these often segregated disciplines.

## A Thread Across the Ocean

### The Heroic Story of the Transatlantic Cable

Harper Collins Today, in a world in which news flashes around the globe in an instant, time lags are inconceivable. In the mid-nineteenth century, communication between the United States and Europe -- the center of world affairs -- was only as quick as the fastest ship could cross the Atlantic, making the United States isolated and vulnerable. But in 1866, the Old and New Worlds were united by the successful laying of a cable across the Atlantic. John Steele Gordon's book chronicles this extraordinary achievement -- the brainchild of American businessman Cyrus Field and one of the greatest engineering feats of the nineteenth century. An epic struggle, it required a decade of effort, numerous failed attempts, millions of dollars in capital, a near disaster at sea, the overcoming of seemingly insurmountable technological problems, and uncommon physical, financial, and intellectual courage. Bringing to life an overlooked story in the annals of technology, John Steele Gordon sheds fascinating new light on this American saga that literally changed the world.

## When Maps Become the World

"When Maps Become the World explores how scientific theories, models, and concepts used to represent and intervene in the world function as

maps, and the consequences of this, both good and bad. Maps are not the territory they describe but abstractions from it, or models of it. By preserving certain features of the modeled world at the expense of distorting others, scientific abstractions can be useful within a set scope and for particular purposes. Maps not only summarize, organize, and clarify, they also often disclose new, previously unnoticed facts. In this book Rasmus Winther examines the properties, promises, and limits of scientific knowledge and practice through a philosophical analysis of scientific maps. Because, he argues, they should always be considered fallible and limited, he teaches his readers to use analytic tools to resist "when maps become the world."--

## Around the World in Seventy-Two Days

Graphic Arts Books "She was part of the 'stunt girl' movement that was very important in the 1880s and 1890s as these big, mass-circulation yellow journalism papers came into the fore." -Brooke Kroeger *Around the World in Seventy-Two Days* (1890) is a travel narrative by American investigative journalist Nellie Bly. Proposed as a recreation of the journey undertaken by Phileas Fogg in Jules Verne's *Around the World in Eighty Days* (1873), Bly's journey was covered in Joseph Pulitzer's popular newspaper the *New York World*, inspiring countless others to attempt to surpass her record. At the time, readers at home were encouraged to estimate the hour and day of Bly's arrival, and a popular board game was released in commemoration of her undertaking. Embarking from Hoboken, noted investigative journalist Nellie Bly began a voyage that would take her around the globe. Bringing only a change of clothes, money, and a small travel bag, Bly travelled by steamship and train through England, France—where she met Jules Verne—Italy, the Suez Canal, Ceylon, Singapore, Hong Kong, and Japan. Sending progress reports via telegraph, she made small reports back home while recording her experiences for publication upon her return. Despite several setbacks due to travel delays in Asia, Bly managed to beat her estimated arrival time by several days despite making unplanned detours, such as visiting a Chinese leper colony, along the way. Unbeknownst to Bly, her trip had inspired *Cosmopolitan's* Elizabeth Briland to make a similar circumnavigation beginning on the exact day, launching a series of copycat adventures by ambitious voyagers over the next few decades. Despite being surrounded by this air of popularity and competition, however, Bly took care to make her journey worthwhile, showcasing her skill as a reporter and true pioneer of investigative journalism. With a beautifully designed cover and professionally typeset manuscript, this edition of Nellie Bly's *Around the World in Seventy-Two Days* is a classic work of American travel literature reimagined for modern readers.

# Oceans

## An Illustrated Reference

The visual splendor of ocean life, combined with scientific information, is covered in an illustrated resource that offers the readers a variety of tools to better understand the world of the sea, its flora and fauna, its ecosystems, and its influence onw

## The Psychic Life of Power

## Theories in Subjection

Stanford University Press Judith Butler's new book considers the way in which psychic life is generated by the social operation of power, and how that social operation of power is concealed and fortified by the psyche that it produces. It combines social theory, philosophy, and psychoanalysis in novel ways, and offers a more sustained analysis of the theory of subject formation implicit in her previous books.

## The Brain That Changes Itself

## Stories of Personal Triumph from the Frontiers of Brain Science

Penguin UK An introduction to the science of neuroplasticity recounts the case stories of patients with mental limitations or brain damage whose seemingly unalterable conditions were improved through treatments that involved the thought re-alteration of brain structure.

## Float Plan

St. Martin's Griffin \* A MUST-READ FOR GOOD MORNING AMERICA, OPRAHMAG.COM, BUZZFEED, POP SUGAR, AND MORE! \* Heartbroken by the loss of her fiancé, adventurous Anna finds a second chance at love with an Irish sailor in this riveting, emotional romance. After a reminder goes off for the Caribbean sailing trip Anna was supposed to take with her fiancé, she impulsively goes to sea in the sailboat he left her, intending to complete the voyage alone. But after a treacherous night's sail, she realizes she can't do it by herself and hires Keane, a professional sailor, to help. Much like Anna, Keane is struggling with a very different future than the one he had planned. As romance rises with the tide, they discover that

it's never too late to chart a new course. In Trish Doller's unforgettable *Float Plan*, starting over doesn't mean letting go of your past, it means making room for your future. "I devoured *Float Plan* in a day. It's truly a joy to get lost in such great writing—the island-hopping setting transports you from the hum-drum everyday, the dialogue is sharp and spot-on, the characters feel flawed and authentic and hopeful. It's the kind of story that takes you away and brings you back grateful for the journey." - Katherine Center, New York Times bestselling author of *How to Walk Away* and *Things You Save in a Fire*

## The Hereford Mappa Mundi

Gracewing Publishing

## Global Innovation Index 2020

## Who Will Finance Innovation?

WIPO The Global Innovation Index 2020 provides detailed metrics about the innovation performance of 131 countries and economies around the world. Its 80 indicators explore a broad vision of innovation, including political environment, education, infrastructure and business sophistication. The 2020 edition sheds light on the state of innovation financing by investigating the evolution of financing mechanisms for entrepreneurs and other innovators, and by pointing to progress and remaining challenges - including in the context of the economic slowdown induced by the coronavirus disease (COVID-19) crisis.

## The Hidden History of Earth Expansion

## Told by researchers creating a Modern Theory of the Earth

Oneoff Publishing.com For more than half a century the theory of continental drift was widely derided. Innovators developing the radical theory were labelled as unscientific by well-known science authorities. But then, in the space of a few years, virtually all opposition dramatically collapsed. Continental drift transformed into plate tectonics and became widely acknowledged as one of the most profound scientific revolutions of the twentieth century. Yet a number of science innovators who had been closely involved with creating this new theory of the Earth continued to

research an even more radical theory. They saw evidence that the new geological theory was incomplete, arguing that continental drift was caused by the Earth expanding in size. These science innovators give us a unique insight into their experiences. They relate their personal histories of Earth expansion in 14 original essays. *The Hidden History of Earth Expansion* presents the unique personal histories of British, American, Australian, German, Polish, Romanian, Indian, Albanian and Jamaican science innovators as they strived to produce a modern theory of the Earth. It includes chapters expressly written for the book by some of the most well-known researchers into Earth expansion: Hugh G. Owen, Cliff Ollier, Karl-Heinz Jacob, James Maxlow, Jan Koziar, Stefan Cwojdzinski, Carl Strutinski, Stephen W. Hurrell, John B. Eichler, William C. Erickson, David Noel, Zahid A. Khan, Ram Chandra Tewari, Vedat Shehu and Richard Guy. In addition to furnishing us with their personal histories of Earth expansion and the seemingly overwhelming evidence for its confirmation, the authors' highlight areas where further research is required.

## The Trail to Kanjiroba

### Rediscovering Earth in an Age of Loss

Seven Stories Press A revitalizing new perspective on Earthcare from Pulitzer Prize finalist William deBuys. In 2016 and 2018 acclaimed author and conservationist William deBuys joined extended medical expeditions into Upper Dolpo, a remote, ethnically Tibetan region of northwestern Nepal, to provide basic medical services to the residents of the region. Having written about climate change and species extinction, deBuys went on those journeys seeking solace. He needed to find a constructive way of living with the discouraging implications of what he had learned about the diminishing chances of reversing the damage humans have done to Earth; he sought a way of holding onto hope in the face of devastating loss. As deBuys describes these journeys through one of Earth's remotest regions, his writing celebrates the land's staggering natural beauty, and treats his readers to deep dives into two scientific discoveries—the theories of natural selection and plate tectonics—that forever changed human understanding of our planet. Written in a vivid and nuanced style evocative of John McPhee or Peter Matthiessen, *The Trail to Kanjiroba* offers a surprising and revitalizing new way to think about Earthcare, one that may enable us to continue the difficult work that lies ahead.

# Historical Painting Techniques, Materials, and Studio Practice Preprints of a Symposium, University of Leiden, the Netherlands, 26–29 June 1995

**Getty Publications Bridging the fields of conservation, art history, and museum curating, this volume contains the principal papers from an international symposium titled "Historical Painting Techniques, Materials, and Studio Practice" at the University of Leiden in Amsterdam, Netherlands, from June 26 to 29, 1995. The symposium—designed for art historians, conservators, conservation scientists, and museum curators worldwide—was organized by the Department of Art History at the University of Leiden and the Art History Department of the Central Research Laboratory for Objects of Art and Science in Amsterdam. Twenty-five contributors representing museums and conservation institutions throughout the world provide recent research on historical painting techniques, including wall painting and polychrome sculpture. Topics cover the latest art historical research and scientific analyses of original techniques and materials, as well as historical sources, such as medieval treatises and descriptions of painting techniques in historical literature. Chapters include the painting methods of Rembrandt and Vermeer, Dutch 17th-century landscape painting, wall paintings in English churches, Chinese paintings on paper and canvas, and Tibetan thangkas. Color plates and black-and-white photographs illustrate works from the Middle Ages to the 20th century.**

## World Migration Report 2020

**United Nations Since 2000, IOM has been producing world migration reports. The World Migration Report 2020, the tenth in the world migration report series, has been produced to contribute to increased understanding of migration throughout the world. This new edition presents key data and information on migration as well as thematic chapters on highly topical migration issues, and is structured to focus on two key contributions for readers: Part I: key information on migration and migrants (including migration-related statistics); and Part II: balanced, evidence-based analysis of complex and emerging migration issues.**

# Trailblazers: 33 Women in Science Who Changed the World

**Delacorte Press Florence Nightingale. Sally Ride. Ada Lovelace. These names and others are etched in history and included here as part of an awe-inspiring collection of profiles of thirty-three of the most influential women in science—women whose vision, creativity, passion, and dedication have changed the world. Aspiring scientists, young history enthusiasts, and children who enjoy learning about the world will be fascinated by these riveting snapshots—and parents who enjoyed the film Hidden Figures will find this to be the perfect extension. Covering important advancements made by women in fields such as biology, medicine, astronomy, and technology, author Rachel Swaby explains that people aren't born brilliant scientists. They observe and experiment as kids and as adults, testing ideas again and again, each time learning something new. Kids are sure to come away with a renewed curiosity about the world and the realization that the road to discovery can be positively thrilling. "This collective biography is most timely. An interesting, engaging collection . . . that will encourage readers to explore further and perhaps pursue their own scientific curiosities." —Kirkus Reviews "The descriptions of the women's lives often have a quiet poetry. Readers . . . will find much to admire in these accomplished and unconventional women." —Publishers Weekly "Swaby's powerful book serves as an indispensable reminder that women have always been essential to science and innovation. Certain to inspire the next generation of scientists." —Nathalia Holt, New York Times bestselling author of Rise of the Rocket Girls: The Women Who Propelled Us, From Missiles to the Moon to Mars**