
Longitude The True Story Of A Lone Genius Who Solved Greatest Scientific Problem His Time Dava Sobel

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MARIANA CANTRELL

*An Extraordinary True
Story of Survival at Sea*
Bloomsbury Publishing
USA

An enthralling biography
of the man who created
the first real map of the
world and changed
civilization Born at the
dawn of the age of

discovery, Gerhard
Mercator lived in an era of
formidable intellectual
and scientific advances.
At the center of these
developments were the
cartographers who
painstakingly pieced
together the evidence to
create ever more
accurate pictures of the
planet. Mercator was the
greatest of all of them-a
poor farm boy who
attended one of Europe's
top universities, was
persecuted and
imprisoned by the

Inquisition, but survived
to coin the term "atlas"
and to produce the so-
called projection for which
he is known. Devoutly
religious, yet gripped by
Aristotelian science,
Mercator struggled to
reconcile the two, a
conflict mirrored by the
growing clash in Europe
between humanism and
the Church. Mercator
solved the dimensional
riddle that had vexed
cosmographers for so
long: How could the three-
dimensional globe be

converted into a two-dimensional map while retaining true compass bearings? The projection revolutionized navigation and has become the most common worldview.

Nicholas Crane-a fellow geographer-has combined a keen eye for historical detail with a gift for vivid storytelling to produce a masterful biography of the man who mapped the planet.

Longitude Chronicle Books
'What joy to be at sea again, adrift on the vast Pacific, in the clutches of a gifted storyteller.

Harrison Christian and the mutineers of Men Without Country held me happily captive to the very last page.' Dava Sobel, author of *Longitude* Full of misadventure and mystery, *Men Without Country* is a sweeping history of exploration and rebellion in the South Seas - told by a direct descendant of Fletcher Christian, the man who led the infamous mutiny on the *Bounty* A mission to collect breadfruit from Tahiti becomes the most famous mutiny in history when the crew rise up

against Captain William Bligh, with accusations of food restrictions and unfair punishments. Bligh's remarkable journey back to safety is well documented, but the fates of the mutinous men remain shrouded in mystery. Some settled in Tahiti only to face capture and court martial, others sailed on to form a secret colony on Pitcairn Island, the most remote inhabited island on earth, avoiding detection for twenty years. When an American captain stumbled across the

island in 1808, only one of the Bounty mutineers was left alive. Told by a direct descendant of Fletcher Christian, *Men Without Country* details the journey of the *Bounty*, and the lives of the men aboard. Lives dominated by a punishing regime of hard work and scarce rations, and deeply divided by the hierarchy of class. It is a tale of adventure and exploration punctuated by moments of extreme violence – towards each other and the people of the South Pacific. For the first time,

Christian provides a comprehensive and compelling account of the whole story – from the history of trade and exploration in the South Seas to Pitcairn Island, which provided the mutineers' salvation, and then became their grave. Praise for *Men Without Country* 'Men Without Country shows what a writer can produce when he has real skin in the game ... Harrison Christian sets the record straight on the *Bounty* mutiny with forensic fervour, including the

before, the during – and the after.' – Adam Courtenay, author of *The Ship that Never Was* 'Full of quirky detail, hair-raising descriptions of ocean voyages and memorable characterisations, *Men Without Country* is an absolute ripper of a tale, an old story that new questions make relevant and fresh.' – *The Saturday Paper* 'Written by a descendant of Christian, this is an unvarnished, unbiased, account of the mutiny and its aftermath on Pitcairn, putting it in its

broader historical context. Rich in detail, but easy to read, this is a great retelling of the tale.' - Daily Telegraph 'In his highly readable book, Harrison Christian captures something of [Fletcher Christian's] elusive personality, but also the terror of the mutineers' precarious existence on Pitcairn and the brutal end that awaited many of them.' - The Listener 'This is both a journalistic investigation, using primary and secondary sources, and a personal

journey, the author being a direct relative of the mutiny's leader, Fletcher Christian.' - Sydney Morning Herald
The True Story of a Lone Genius Who Solved the Greatest Scientific Problem of His Time
"O'Reilly Media, Inc."
An intriguing science history story of John Harrison's development of an accurate shipboard clock which indicated longitude.
What Exercises Work
HarperCollins UK
Presents a vivid account of a history-making storm

that hit the New England coast in October 1991 and the lives it changed, weaving together the history of the fishing industry, the science of storms, and personal accounts. Tour.
Pirate Latitudes
Penguin UK
Describes the early 18th-century expedition of scientists sent by France and Spain to colonial Peru to measure the degree of equatorial latitude, which could resolve the debate between whether the earth was spherical or flattened at the poles.

Mercator: The Man Who Mapped the Planet
Yearling Books
Ruby is unlike most little girls in old China. Instead of aspiring to get married, Ruby is determined to attend university when she grows up, just like the boys in her family. Based upon the inspirational story of the author's grandmother and accompanied by richly detailed illustrations, *Ruby's Wish* is an engaging portrait of a young girl who strives for more and a family who rewards her hard work

and courage.
The True Story of 28,800 Bath Toys Lost at Sea & of the Beachcombers, Oceanographer, Environmentalists & Fools Including the Author Who Went in Search of Them
Avery
From #1 New York Times bestselling author Dava Sobel, the "inspiring" (People), little-known true story of women's landmark contributions to astronomy A New York Times Book Review Notable Book of 2017 Named one of the best books of the year by NPR,

The Economist, Smithsonian, Nature, and NPR's Science Friday Nominated for the PEN/E.O. Wilson Literary Science Writing Award "A joy to read." —The Wall Street Journal In the mid-nineteenth century, the Harvard College Observatory began employing women as calculators, or "human computers," to interpret the observations their male counterparts made via telescope each night. At the outset this group included the wives, sisters, and daughters of

the resident astronomers, but soon the female corps included graduates of the new women's colleges—Vassar, Wellesley, and Smith. As photography transformed the practice of astronomy, the ladies turned from computation to studying the stars captured nightly on glass photographic plates. The “glass universe” of half a million plates that Harvard amassed over the ensuing decades—through the generous support of Mrs. Anna Palmer Draper, the widow of a pioneer in

stellar photography—enabled the women to make extraordinary discoveries that attracted worldwide acclaim. They helped discern what stars were made of, divided the stars into meaningful categories for further research, and found a way to measure distances across space by starlight. Their ranks included Williamina Fleming, a Scottish woman originally hired as a maid who went on to identify ten novae and more than three hundred variable stars;

Annie Jump Cannon, who designed a stellar classification system that was adopted by astronomers the world over and is still in use; and Dr. Cecilia Helena Payne, who in 1956 became the first ever woman professor of astronomy at Harvard—and Harvard’s first female department chair. Elegantly written and enriched by excerpts from letters, diaries, and memoirs, *The Glass Universe* is the hidden history of the women whose contributions to

the burgeoning field of astronomy forever changed our understanding of the stars and our place in the universe.

The true story of exploration and rebellion in the South Seas

Smithsonian Inst Press

The seventeenth novel in the best-selling Aubrey/Maturin series of naval tales, which the New York Times Book Review has described as "the best historical novels ever written." Having survived a long and desperate adventure in

the Great South Sea, Captain Jack Aubrey and Stephen Maturin return to England to very different circumstances. For Jack it is a happy homecoming, at least initially, but for Stephen it is disastrous: his little daughter appears to be autistic, incapable of speech or contact, while his wife, Diana, unable to bear this situation, has disappeared, her house being looked after by the widowed Clarissa Oakes. Much of *The Commodore* takes place on land, in sitting rooms and in drafty castles, but the roar of the

great guns is never far from our hearing. Aubrey and Maturin are sent on a bizarre decoy mission to the fever-ridden lagoons of the Gulf of Guinea to suppress the slave trade. But their ultimate destination is Ireland, where the French are mounting an invasion that will test Aubrey's seamanship and Maturin's resourcefulness as a secret intelligence agent. The subtle interweaving of these disparate themes is an achievement of pure storytelling by one of our greatest living novelists.

The Glass Universe

Vintage Canada

In the course of their 20+-year engineering careers, authors Brian Fitzpatrick and Ben Collins-Sussman have picked up a treasure trove of wisdom and anecdotes about how successful teams work together. Their conclusion? Even among people who have spent decades learning the technical side of their jobs, most haven't really focused on the human component. Learning to collaborate is just as important to success. If

you invest in the "soft skills" of your job, you can have a much greater impact for the same amount of effort. The authors share their insights on how to lead a team effectively, navigate an organization, and build a healthy relationship with the users of your software. This is valuable information from two respected software engineers whose popular series of talks—including "Working with Poisonous People"—has attracted hundreds of thousands of followers.

Latitude A&C Black

Describes the forty-year effort of John Harrison to invent the chronometer, the first instrument able to keep accurate time for navigational purposes. *Longitude* W. W. Norton & Company Using her deep knowledge, her skills as a storyteller, and her imagination, Dava Sobel illuminates one of history's most significant and far-reaching meetings. In the spring of 1539, a young German mathematician--Georg Joachim Rheticus--

journeyed hundreds of miles to northern Poland to meet the legendary, elderly cleric and reluctant astronomer Nicolaus Copernicus. Some two decades earlier, Copernicus had floated the mind-boggling theory that the Sun, not the Earth, was stationary at the center of the universe, and he was rumored to have crafted a book that could prove it. Though exactly what happened between them can never be known, Rheticus shepherded Copernicus's great work into production

and *De revolutionibus orbium coelestium* ultimately changed the course of human understanding. Dava Sobel imagines their dramatic encounter, and with wit and erudition gives them personality. Through clever and dramatic dialogue, she brings alive the months Rheticus and Copernicus spent together--the one a heretical Lutheran, the other a free-thinking Catholic--and in the process illuminates the historic tension between science and religion. An

introduction by Dava Sobel will set the stage, putting the scenes in historical context, and an afterword will describe what happened after Copernicus's book was published detailing the impact it had on science and on civilization.

The Planets Pen & Sword
Maritime

Longitude
The True Story of a Lone Genius Who Solved the Greatest Scientific Problem of His Time
Bloomsbury Publishing USA

The Untold Story of Getting from Here to

There LongitudeThe True Story of a Lone Genius Who Solved the Greatest Scientific Problem of His Time

The quest to accurately determine longitude at sea was one of the most remarkable endeavors of the eighteenth century. This is the story of John Harrison (1693-1776), the self-taught English clockmaker who dedicated his life to solving the ocean's longitude problem. From the end of the fifteenth century, merchants, explorers, and

adventurers took to the open seas in unprecedented numbers as worldwide trade increased. These journeys were hazardous not only because of the inherent dangers of the ocean but also because, once out of sight of land, sailors had no accurate means of knowing their exact position. Long-distance sea travel was so dangerous that, in 1714, the British Parliament offered a prize to anyone who could solve the problem. Inspired, Harrison designed and

built the marine chronometer: the first device to calculate longitude at sea. The chronometer quickly became a vital tool of maritime trade, revolutionizing sea travel and saving countless lives. John Harrison and the Quest for Longitude is the fascinating account of one man's quest to solve one of the greatest practical problems of his time. With sixty full-color images and technical drawings throughout, it sheds important new light on a fundamental piece of

British maritime and horological history.

The astonishing journey to discover the shape of the earth Hardie Grant Publishing

Declared “the best survival book in a decade” by Outside Magazine, 438 Days is the true story of the man who survived fourteen months in a small boat drifting seven thousand miles across the Pacific Ocean. On November 17, 2012, two men left the coast of Mexico for a weekend fishing trip in the open Pacific. That night, a

violent storm ambushed them as they were fishing eighty miles offshore. As gale force winds and ten-foot waves pummeled their small, open boat from all sides and nearly capsized them, captain Salvador Alvarenga and his crewmate cut away a two-mile-long fishing line and began a desperate dash through crashing waves as they sought the safety of port. Fourteen months later, on January 30, 2014, Alvarenga, now a hairy, wild-bearded and half-mad castaway, washed ashore on a

nearly deserted island on the far side of the Pacific. He could barely speak and was unable to walk. He claimed to have drifted from Mexico, a journey of some seven thousand miles. A “gripping saga,” (Daily Mail), 438 Days is the first-ever account of one of the most amazing survival stories in modern times. Based on dozens of hours of exclusive interviews with Alvarenga, his colleagues, search-and-rescue officials, the remote islanders who found him, and the medical team that saved

his life, 438 Days is not only “an intense, immensely absorbing read” (Booklist) but an unforgettable study of the resilience, will, ingenuity and determination required for one man to survive more than a year lost and adrift at sea.

The Illustrated Longitude Simon and Schuster

A portrait of Norwegian scientist Kristian Birkeland explores his lifelong quest to uncover the mystery of the aurora borealis and explains how his work transformed modern

understanding of the aurora borealis, electromagnetism, comets, and the sun.

How the Ladies of the Harvard Observatory Took the Measure of the Stars Harper Collins

Contains an exclusive preview of Micro by Michael Crichton and Richard Preston. In Port Royal, a cutthroat town of taverns, grog shops and bawdy houses, life can end swiftly. But for Captain Edward Hunter, this is a life destined for riches; Spanish gold is there for the taking. And

law in the New World is made by those who take it into their own hands.

The Quest for Longitude Henry Holt and Company

The world-changing true story of the mission to discover the shape of the earth . . . _____ 'An amazing story' Jeremy Vine 'This rollicking story of adventure and scientific exploration is as gripping as any novel . . . a book that sparkles with intelligence and wit' Alex Preston, author and journalist 'Crane has a rare knack for showing

people things they really ought to see across space and time without them having to get out of their chair' Joe Smith, director of The Royal Geographic society _____ The year is 1735. Twelve unruly men board ships bound for South America. Their mission? To discover the true shape of the earth. They will be exposed to a wilderness of dangers none can imagine. The survivors won't return for ten years. _____ They knew the world wasn't a sphere. Either it stretched at the poles or it bulged at

the equator. But which? They needed to know because accurate maps saved lives at sea and made money on land. But measuring the earth was so difficult that most thought it impossible. The world's first international team of scientists was sent to a continent of unmapped rainforests and ice-shrouded volcanoes where they attempted to measure the length on the ground of one degree of latitude. Beset by egos and disease, storms and earthquakes, mutiny and murder, they struggled for

ten years to reach the single figure they sought. Latitude is an epic story of survival and science set in mountain camps and remote observatories. A breathtaking tale of courage in adversity, it is celebrated today as the first modern exploring expedition. _____ 'Latitude is a thrilling story of courage, survival and science. It's an extraordinary, visceral and vivid read' Geographical Magazine Moby-Duck Penguin More than two centuries after Master's Mate

Fletcher Christian led a mutiny against Lieutenant William Bligh on a small, armed transport vessel called Bounty, the true story of this enthralling adventure has become obscured by the legend. Combining vivid characterization and deft storytelling, Caroline Alexander shatters the centuries-old myths surrounding this story. She brilliantly shows how, in a desperate attempt to save one man from the gallows and another from ignominy, two powerful families came together

and began to create the version of history we know today. The true story of the mutiny on the Bounty is an epic of duty and heroism, pride and power, and the assassination of a brave man's honor at the dawn of the Romantic age. HarperCollins UK Selected by The New York Times Book Review as a Notable Book of the Year A revelatory tale of science, adventure, and modern myth. When the writer Donovan Hohn heard of the mysterious loss of thousands of bath

toys at sea, he figured he would interview a few oceanographers, talk to a few beachcombers, and read up on Arctic science and geography. But questions can be like ocean currents: waded in too far, and they carry you away. Hohn's accidental odyssey pulls him into the secretive world of shipping conglomerates, the daring work of Arctic researchers, the lunatic risks of maverick sailors, and the shadowy world of Chinese toy factories. Moby-Duck is a journey

into the heart of the sea and an adventure through science, myth, the global economy, and some of the worst weather imaginable. With each new discovery, Hohn learns of another loose thread, and with each successive chase, he comes closer to

understanding where his castaway quarry comes from and where it goes. In the grand tradition of Tony Horwitz and David Quammen, *Moby-Duck* is a compulsively readable narrative of whimsy and curiosity.

The Longitude Prize
Penguin

Exploring the surprising connection between time and place, a companion book to the National Air and Space Museum exhibition of the same name traces the history of navigation, showing where we have been, how far we have come and where we are going.