A Short History Of Planet Earth Mountains Mammals Fire And Ice J D Macdougall

Operating Manual for Spaceship EarthHow to Build a Habitable PlanetHow to Think Seriously About the PlanetA Little History of ScienceThe World Is Flat [Further Updated and Expanded; Release 3.0]A Brief History of Life on EarthFrozen EarthA Short History of Planet Earth: Mountains, Mammals, Fire, and IceCosmos, Earth, and ManThe History of Life: A Very Short IntroductionLifeA Short History of the WorldGeological Records of Tsunamis and Other Extreme WavesA short history of natural scienceBattlefield EarthThe Vulnerable PlanetA Short History of the FutureA Short History of AstronomyA Short History of Natural Science and of the Progress of Discovery from the Time of the Greeks to the Present DayA Short History of the FutureSummaryFireA Short History of Nearly EverythingA Most Improbable Journey: A Big History of Our Planet and OurselvesA Short History of Natural ScienceSapiensA Short History of Nearly EverythingA Short History of Planet EarthEarth as an Evolving Planetary SystemThe Late Great Planet EarthHeaven Plus EarthHere on EarthThe Martian ChroniclesA Really Short History of Nearly EverythingA Short History of Planet EarthThe Story of EarthOrigin and Evolution of EarthA Short History of ScienceEarth's Deep HistoryLiving Earth

Operating Manual for Spaceship Earth

The stories in this collection are ones that Cheever wrote in the 1930s and 1940s. There are 13 total, 11 of which are not available anywhere else, including the new Library of America edition. Interest in Cheever's work has been renewed with the publication of a new biography, John Cheever: A Life by Blake Bailey. Readers of Cheever, both new and old, will be fascinated by this essential collection.

How to Build a Habitable Planet

The tranquility of Mars is disrupted by humans who want to conquer space, colonize the planet, and escape a doomed Earth.

How to Think Seriously About the Planet

This Very Short Introduction presents a succinct and accessible guide to the key episodes in the story of life on earth - from the very origins of life four million years ago to the extraordinary diversity of species around the globe today.

A Little History of Science

"A thrilling synthesis from a brilliant scientist who discovered one of the most important chapters in our history." —Sean B. Carroll Big History, the field that integrates traditional historical scholarship with scientific insights to study the full sweep of our universe, has so far been the domain of historians. Famed geologist Walter Alvarez—best known for the “Impact Theory” explaining dinosaur extinction—has instead championed a science-first approach to Big History. Here he wields his unique expertise to give us a new appreciation for the incredible occurrences—from the Big Bang to the formation of supercontinents, the dawn of the Bronze Age, and beyond—that have led to our improbable place in the universe.

The World Is Flat [Further Updated and Expanded; Release 3.0]

By one of Britain's most gifted scientists: a magnificently daring and compulsively readable account of life on Earth (from the "big bang" to the advent of man), based entirely on the most original of all sources--the evidence of fossils. With excitement and driving intelligence, Richard Fortey guides us from the barren globe spinning in space, through the very earliest signs of life in the sulphurous hot springs and volcanic vents of the young planet, the appearance of cells, the slow creation of an atmosphere and the evolution of myriad forms of plants and animals that could then be sustained, including the magnificent era of the dinosaurs, and on to the last moment before the debut of Homo sapiens. Ranging across multiple scientific disciplines, explicating in wonderfully clear and refreshing prose their findings and arguments--about the origins of life, the causes of species extinctions and the first appearance of man--Fortey weaves this history out of the most delicate traceries left in rock, stone and earth. He also explains how, on each aspect of nature and life, scientists have reached the understanding we have today, who made the key discoveries, who their opponents were and why certain ideas won. Brimful of wit, fascinating personal experience and high scholarship, this book may well be our best introduction yet to the complex history of life on Earth. A Book-of-the-Month Club Main Selection With 32 pages of photographs

A Brief History of Life on Earth

Over vast expanses of time, fire and humanity have interacted to expand the domain of each, transforming the earth and what it means to be human. In this concise yet wide-ranging book, Stephen J. Pyne—named by Science magazine as “the world’s leading authority on the history of fire”—explores the surprising dynamics of fire before humans, fire and human origins, aboriginal economies of hunting and foraging, agricultural and pastoral uses of fire, fire ceremonies, fire as an idea and a technology, and industrial fire. In this revised and expanded edition, Pyne looks to the future of fire as a constant, defining presence on Earth. A new chapter explores the importance of fire in the twenty-first century, with special attention to its role in the Anthropocene, or what he posits might equally be called the Pyrocene.

Frozen Earth

Earth as an Evolving Planetary System, Second Edition, examines the various subsystems that play a role in the evolution of the Earth. These subsystems include such components as the crust, mantle, core, atmosphere, oceans, and life. The book contains 10 chapters that discuss the structure of the Earth and plate tectonics; the origin and evolution of the crust; the processes that leave tectonic imprints in rocks and modern processes responsible for these imprints; and the structure of the mantle and the core. The book also covers the Earth’s atmosphere, hydrosphere, and biosphere; crustal and mantle evolution; the supercontinent cycle; great events in Earth history; and the Earth in comparison to other planets. This book is meant for advanced undergraduate and graduate students in Earth Sciences, with a basic knowledge of geology, biology, chemistry, and physics. It also may serve as a reference tool for specialists in the geologic sciences who want to keep abreast of scientific advances in this field. Kent Condie's corresponding interactive CD, Plate Tectonics and How the Earth Works, can be purchased from Tasa Graphic Arts here: http://www.tasagraphicarts.com/progptearth.html Two new chapters on the Supercontinent Cycle and on Great Events in Earth history New and updated sections on Earth's thermal history, planetary volcanism, planetary crusts, the onset of plate tectonics, changing composition of the oceans and atmosphere, and paleoclimatic regimes Also new in this Second Edition: the lower mantle and the role of the post-perovskite transition, the role of water in the mantle, new tomographic data tracking plume tails into the deep mantle, Euxinia in Proterozoic oceans, The Hadean, A crustal age gap at 2.4-2.2 Ga, and continental growth

A Short History of Planet Earth: Mountains, Mammals, Fire, and Ice

One of Australia's leading geologists writes for a non-scientific audience about the history of our planet and solar system, and demonstrates how much we depend on the range of evidence found in the study of rocks to piece this history together.

Cosmos, Earth, and Man

This new edition of Friedman's landmark book explains the flattening of the world better than ever- and takes a new measure of the effects of this change on each of us.

The History of Life: A Very Short Introduction

Science is fantastic. It tells us about the infinite reaches of space, the tiniest living organism, the human body, the history of Earth. People have always been doing science because they have always wanted to make sense of the world and harness its power. From ancient Greek philosophers through Einstein and Watson and Crick to the computer-assisted scientists of

today, men and women have wondered, examined, experimented, calculated, and sometimes made discoveries so earthshaking that people understood the world—or themselves—in an entirely new way. This inviting book tells a great adventure story: the history of science. It takes readers to the stars through the telescope, as the sun replaces the earth at the center of our universe. It delves beneath the surface of the planet, charts the evolution of chemistry's periodic table, introduces the physics that explain electricity, gravity, and the structure of atoms. It recounts the scientific quest that revealed the DNA molecule and opened unimagined new vistas for exploration. Emphasizing surprising and personal stories of scientists both famous and unsung, A Little History of Science traces the march of science through the centuries. The book opens a window on the exciting and unpredictable nature of scientific activity and describes the uproar that may ensue when scientific findings challenge established ideas. With delightful illustrations and a warm, accessible style, this is a volume for young and old to treasure together.

Life

A Short History of the World

If you liked Dune, Atlantis Gene and Star Wars—you will love the book Battlefield Earth! In the year A.D. 3000, Earth is a dystopian wasteland, plundered of its natural resources by alien conquerors known as Psychlos. Fewer than thirty-five thousand humans survive in a handful of communities scattered across the face of a post-apocalyptic Earth. From the ashes of humanity rises a young hero, Jonnie Goodboy Tyler. Setting off on an initial quest to discover a hidden evil, Jonnie unlocks the mystery of humanity’s demise and unearths a crucial weakness in their oppressors. Spreading the seeds of revolt, Jonnie and a small band of survivors pit their quest for freedom in an all-out rebellion that erupts across the continents of Earth and the cosmic sprawl of the Psychlo empire. For the fate of the Galaxy lies on the Battlefield of Earth. “Over 1,000 pages of thrills, spills, vicious aliens and noble humans. I found Battlefield Earth un-put-downable.” —Neil Gaiman “Battlefield Earth is a terrific story! The carefully underplayed comedy I found it delicious. A masterpiece.” —Robert A. Heinlein “Pulse-pounding mile-a-minute sci-fi action adventure that does not stop. It is a masterpiece of popular adventure science fiction.” —Brandon Sanderson “Space opera that hits the right notes. It's provocative, exhilarating and genuinely enjoyable.” —SCIFI.COM “Like the Harry Potter series, it’s got concepts like good vs. evil, the noble savage and the hero’s journey—and people go crazy over it!” —Dr. David Powers, Educator Awards and Accolades: Top 100 science fiction books Top three of the best 100 English language novels of the 20th century by the Random House Modern Library Readers Poll US Golden Scroll and Saturn Awards Tetradramma d'Oro Award Gutenberg Award Read the novel that changed the shape of science fiction * Over 4,000,000 copies sold * Translated in 25 languages * 21st Century edition with expanded content: author's never-before-published handwritten notes & an exclusive author interview An engaging read for STEM learning The

imaginative diversity of the novel's characters and alien races, its military artifacts and striking technologies and mathematics make it the perfect motivation for STEM learning. “Want to get your kid excited about STEM? Battlefield Earth will give you the talking points, in fact, they’ll already be talking about it.” —S.G. Educator Accelerated Reader level 5.8, students earn 62 points Lexile 780 Discussion guide available for book clubs and educators.

Geological Records of Tsunamis and Other Extreme Waves

From the internationally acclaimed scientist, explorer, and conservationist comes an awe-inspiring account of earth’s evolution. Beginning at the moment of creation with the Big Bang, Here on Earth explores the evolution of Earth from a galactic cloud of dust and gas to a planet with a metallic core and early signs of life within a billion years of being created. In a compelling narrative, Flannery describes the formation of the Earth’s crust and atmosphere, as well as the transformation of the planet’s oceans from toxic brews of metals (such as iron, copper, and lead) to life-sustaining bodies covering seventy percent of the planet’s surface. Life, Flannery shows, first appeared in these oceans in the form of microscopic plants and bacteria, and these metals served as catalysts for the earliest biological processes known to exist. From this starting point, Flannery tells the fascinating story of the evolution of our own species, exploring several early human species—from the diminutive creatures (the famed hobbits) who lived in Africa around two million years ago to Homo erectus—before turning his attention to Homo sapiens. Drawing on Charles Darwin’s and Alfred Russell Wallace’s theories of evolution and Lovelock’s Gaia hypothesis, Here on Earth is a dazzling account of life on our planet. “You’ll discover why Tim Flannery’s books have made him the rock star of modern science.” —Jared Diamond, Pulitzer Prize–winning author of Guns, Germs, and Steel

A short history of natural science

One of the world’s most beloved and bestselling writers takes his ultimate journey -- into the most intriguing and intractable questions that science seeks to answer. In A Walk in the Woods, Bill Bryson trekked the Appalachian Trail -- well, most of it. In In A Sunburned Country, he confronted some of the most lethal wildlife Australia has to offer. Now, in his biggest book, he confronts his greatest challenge: to understand -- and, if possible, answer -- the oldest, biggest questions we have posed about the universe and ourselves. Taking as territory everything from the Big Bang to the rise of civilization, Bryson seeks to understand how we got from there being nothing at all to there being us. To that end, he has attached himself to a host of the world’s most advanced (and often obsessed) archaeologists, anthropologists, and mathematicians, travelling to their offices, laboratories, and field camps. He has read (or tried to read) their books, pestered them with questions, apprenticed himself to their powerful minds. A Short History of Nearly Everything is the record of this quest, and it is a sometimes profound, sometimes funny, and always supremely clear and entertaining adventure in the realms of human knowledge, as

only Bill Bryson can render it. Science has never been more involving or entertaining. From the Hardcover edition.

Battlefield Earth

Bryson describes graphically and in layperson's terms the size of the universe and that of atoms and subatomic particles. He then explores the history of geology and biology and traces life from its first appearance to today's modern humans, placing emphasis on the development of the modern Homo sapiens. Furthermore, he discusses the possibility of the Earth being struck by a meteorite and reflects on human capabilities of spotting a meteor before it impacts the Earth, and the extensive damage that such an event would cause. He also describes some of the most recent destructive disasters of volcanic origin in the history of our planet, including Krakatoa and Yellowstone National Park.A large part of the book is devoted to relating humorous stories about the scientists behind the research and discoveries and their sometimes eccentric behaviours. Bryson also speaks about modern scientific views on human effects on the Earth's climate and livelihood of other species, and the magnitude of natural disasters such as earthquakes, volcanoes, tsunamis, hurricanes, and the mass extinctions caused by some of these events.The book contains several factual errors and inaccuracies. Some of these have arisen because new discoveries have been made since the book's publication, and some classifications have changed. For example, Pluto has been reclassified as a dwarf planet, and the universe is not going to stop expanding, it is speeding up.

The Vulnerable Planet

A Short History of the Future

Geological Records of Tsunamis and Other Extreme Waves provides a systematic compendium with concise chapters on the concept and history of paleotsunami research, sediment types and sediment sources, field methods, sedimentary and geomorphological characteristics, as well as dating and modeling approaches. By contrasting tsunami deposits with those of competing mechanisms in the coastal zone such as storm waves and surges, and by embedding this field of research into the wider context of tsunami science, the book is also relevant to readers interested in paleotempestology, coastal sedimentary environments, or sea-level changes, and coastal hazard management. The effectiveness of paleotsunami records in coastal hazard-mitigation strategies strongly depends on the appropriate selection of research approaches and methods that are tailored to the site-specific environment and age of the deposits. In addition to summarizing the state-of-the-art in tsunami sedimentology, Geological Records of Tsunamis and Other Extreme Waves guides researchers through establishing an appropriate research design and how to develop reliable records of prehistoric events using field-based and

laboratory methods, as well as modeling techniques. Features a comprehensive overview of the state of the art in tsunami sedimentology and paleotsunami research Offers advice on the most appropriate mapping, sampling, and analytical approaches for a wide variety of coastal settings and sedimentary environments Provides methodological details for field sampling and the most important proxy analyses

A Short History of Astronomy

New York Times Bestseller A Summer Reading Pick for President Barack Obama, Bill Gates, and Mark Zuckerberg From a renowned historian comes a groundbreaking narrative of humanity's creation and evolution—a #1 international bestseller—that explores the ways in which biology and history have defined us and enhanced our understanding of what it means to be "human." One hundred thousand years ago, at least six different species of humans inhabited Earth. Yet today there is only one—homo sapiens. What happened to the others? And what may happen to us? Most books about the history of humanity pursue either a historical or a biological approach, but Dr. Yuval Noah Harari breaks the mold with this highly original book that begins about 70,000 years ago with the appearance of modern cognition. From examining the role evolving humans have played in the global ecosystem to charting the rise of empires, Sapiens integrates history and science to reconsider accepted narratives, connect past developments with contemporary concerns, and examine specific events within the context of larger ideas. Dr. Harari also compels us to look ahead, because over the last few decades humans have begun to bend laws of natural selection that have governed life for the past four billion years. We are acquiring the ability to design not only the world around us, but also ourselves. Where is this leading us, and what do we want to become? Featuring 27 photographs, 6 maps, and 25 illustrations/diagrams, this provocative and insightful work is sure to spark debate and is essential reading for aficionados of Jared Diamond, James Gleick, Matt Ridley, Robert Wright, and Sharon Moalem.

A Short History of Natural Science and of the Progress of Discovery from the Time of the Greeks to the Present Day

A superb history of the world's people during the last four million years, beginning before the human race moved out of Africa to explore and settle the other continents. Mr. Blainey explores the development of technology and skills, the rise of major religions, and the role of geography, considering both the larger patterns and the individual nature of history. A delightful read, gracefully written, and full of odd and interesting pieces of information as well as thoughtful comparisons that span both time and space. —William L. O'Neill

A Short History of the Future

From reviews of the first edition (1994): "Extraordinarily well written . . . " --Contemporary Sociology "A readable chronicle aimed at a general audience . . . Graceful and accessible . . . " --Dollars and Sense "Has the potential to be a political bombshell in radical circles around the world." --Environmental Action The Vulnerable Planet has won respect as the best single-volume introduction to the global economic crisis. With impressive historical and economic detail, ranging from the Industrial Revolution to modern imperialism, The Vulnerable Planet explores the reasons why a global economic system geared toward private profit has spelled vulnerability for the earth's fragile natural environment. Rejecting both individualistic solutions and policies that tinker at the margins, John Bellamy Foster calls for a fundamental reorganization of production on a social basis so as to make possible a sustainable and ecological economy. This revised edition includes a new afterword by the author.

Summary

Describes the geological and biological progress of Earth, including the formation of landmasses, the extinction of species, and contemporary issues such as global warming

Fire

A Short History of Nearly Everything

The author of the best-selling Science Matters outlines a radical new approach to geologic history that advances controversial theories that the Earth evolved and that life evolved from minerals, assessing supportive findings while explaining the impact of human actions.

A Most Improbable Journey: A Big History of Our Planet and Ourselves

Roger Scruton here makes a plea to rescue environmental politics from the activist movements and to return them to the people. The book defends the legacy of home-building and practical reasoning with which ordinary human beings solve their environmental problems, and attacks the alarmism and hysteria that are being used to uproot these resources, while putting nothing coherent in their place.

A Short History of Natural Science

A biogeologist traces the evolution of the universe ranging from a description of the nature of atoms to the behavior of galaxies and follows the development of life on Earth

Sapiens

One of the world’s most beloved and bestselling writers takes his ultimate journey -- into the most intriguing and intractable questions that science seeks to answer. In A Walk in the Woods, Bill Bryson trekked the Appalachian Trail -- well, most of it. In In A Sunburned Country, he confronted some of the most lethal wildlife Australia has to offer. Now, in his biggest book, he confronts his greatest challenge: to understand -- and, if possible, answer -- the oldest, biggest questions we have posed about the universe and ourselves. Taking as territory everything from the Big Bang to the rise of civilization, Bryson seeks to understand how we got from there being nothing at all to there being us. To that end, he has attached himself to a host of the world’s most advanced (and often obsessed) archaeologists, anthropologists, and mathematicians, travelling to their offices, laboratories, and field camps. He has read (or tried to read) their books, pestered them with questions, apprenticed himself to their powerful minds. A Short History of Nearly Everything is the record of this quest, and it is a sometimes profound, sometimes funny, and always supremely clear and entertaining adventure in the realms of human knowledge, as only Bill Bryson can render it. Science has never been more involving or entertaining. From the Hardcover edition.

A Short History of Nearly Everything

""A splendid introduction to geology and paleontology for the lay reader. To compress Earth's history into a single, lucidly written volume is a major achievement."" —Publishers Weekly, starred review""Few people have both the knowledge and the writing ability to capture such a long and varied history in a compelling manner. In A Short History of Planet Earth, J.D. Macdougal demonstrates that he is one of the few."" —EarthThis exhilarating survey of the four and half billion years of Earth's history charts both the geological and biological history of the planet. It moves from the origin of the earth's iron core to the formation of today's seven continents, and from the primordial building blocks of life to the evolution of the human form.

A Short History of Planet Earth

Earth as an Evolving Planetary System

Earth has been witness to mammoths and dinosaurs, global ice ages, continents colliding or splitting apart, and comets and

asteroids crashing catastrophically to the surface, as well as the birth of humans who are curious to understand it. But how was all this discovered? How was the evidence for it collected and interpreted? And what kinds of people have sought to reconstruct this past that no human witnessed or recorded? In this sweeping and accessible book, Martin J. S. Rudwick, the premier historian of the Earth sciences, tells the gripping human story of the gradual realization that the Earth's history has not only been unimaginably long but also astonishingly eventful. Rudwick begins in the seventeenth century with Archbishop James Ussher, who famously dated the creation of the cosmos to 4004 BC. His narrative later turns to the crucial period of the late eighteenth and early nineteenth centuries, when inquisitive intellectuals, who came to call themselves "geologists," began to interpret rocks and fossils, mountains and volcanoes, as natural archives of Earth's history. He then shows how this geological evidence was used—and is still being used—to reconstruct a history of the Earth that is as varied and unpredictable as human history itself. Along the way, Rudwick rejects the popular view of this story as a conflict between science and religion and shows how the modern scientific account of the Earth's deep history retains strong roots in Judaeo-Christian ideas. Extensively illustrated, Earth's Deep History is an engaging and impressive capstone to Rudwick's distinguished career. Though the story of the Earth is inconceivable in length, Rudwick moves with grace from the earliest imaginings of our planet's deep past to today's scientific discoveries, proving that this is a tale at once timeless and timely.

The Late Great Planet Earth

Life has shaped the Earth, and the Earth has moulded the history of life. That history, the co-evolution of our ancestors and their horne, has much to teach us about our place on the planet today. We are part of the fabric of the biosphere. As we change that fabric we would be wise to understand how our horne was built. Our planet is neither a hotel nor a colony. It is not a place which life briefly inhabits during a transient occupation. Instead, it is our horne, designed by the deeds of our ancestors and suited to our own needs. The history of life on Earth is held in the geological record, which is composed of the rocks, water and air that are available for study on the planet's surface. These rocks, the oceans and the atmosphere are not simply stores of information for the excitement of fossil hunters and geochemists, or resources to exploit without thought. Their cre ation and continued existence form an integral part of the development and management of the Earth as the horne of life.

Heaven Plus Earth

The impact of The Late Great Planet Earth cannot be overstated. The New York Times called it the "no. 1 non-fiction bestseller of the decade." For Christians and non-Christians of the 1970s, Hal Lindsey's blockbuster served as a wake-up call on events soon to come and events already unfolding -- all leading up to the greatest event of all: the return of Jesus Christ.

The years since have confirmed Lindsey's insights into what biblical prophecy says about the times we live in. Whether you're a church-going believer or someone who wouldn't darken the door of a Christian institution, the Bible has much to tell you about the imminent future of this planet. In the midst of an out-of-control generation, it reveals a grand design that's unfolding exactly according to plan. The rebirth of Israel. The threat of war in the Middle East. An increase in natural catastrophes. The revival of Satanism and witchcraft. These and other signs, foreseen by prophets from Moses to Jesus, portend the coming of an antichrist . . . of a war which will bring humanity to the brink of destruction . . . and of incredible deliverance for a desperate, dying planet.

Here on Earth

One of Fuller’s most popular works, Operating Manual for Spaceship Earth, is a brilliant synthesis of his world view. In this very accessible volume, Fuller investigates the great challenges facing humanity. How will humanity survive? How does automation influence individualization? How can we utilize our resources more effectively to realize our potential to end poverty in this generation? He questions the concept of specialization, calls for a design revolution of innovation, and offers advice on how to guide “spaceship earth” toward a sustainable future. Description by Lars Muller Publishers, courtesy of The Estate of Buckminster Fuller

The Martian Chronicles

Adapted from A Short History of Nearly Everything, this stunningly illustrated book from the extraordinary Bill Bryson takes us from the Big Bang to the dawn of science, and everything in between. Perfect for ages 8 to 80. Ever wondered how we got from nothing to something? Or thought about how we can weigh the earth? Or wanted to reach the edge of the universe? Uncover the mysteries of time, space and life on earth in this extraordinary book - a journey from the centre of the planet to the dawn of the dinosaurs, and everything in between. And discover our own incredible journey, from single cell to civilisation, including the brilliant (and sometimes very bizarre) scientists who helped us find out the how and why. ********** Reviews for A Short History of Nearly Everything: 'It's the sort of book I would have devoured as a teenager. It might well turn unsuspecting young readers into scientists.' Evening Standard 'I doubt that a better book for the layman about the findings of modern science has been written' Sunday Telegraph 'A thoroughly enjoyable, as well as educational, experience. Nobody who reads it will ever look at the world around them in the same way again' Daily Express 'The very book I have been looking for most of my life' Daily Mail

A Really Short History of Nearly Everything

Questions about the origin and nature of Earth and the life on it have long preoccupied human thought and the scientific endeavor. Deciphering the planet's history and processes could improve the ability to predict catastrophes like earthquakes and volcanic eruptions, to manage Earth's resources, and to anticipate changes in climate and geologic processes. At the request of the U.S. Department of Energy, National Aeronautics and Space Administration, National Science Foundation, and U.S. Geological Survey, the National Research Council assembled a committee to propose and explore grand questions in geological and planetary science. This book captures, in a series of questions, the essential scientific challenges that constitute the frontier of Earth science at the start of the 21st century.

A Short History of Planet Earth

The Story of Earth

Has the future a future? Are we bringing history to an end? Observing any one of several individual but critical trends suggests that, without rapid and positive action, history may have only a very short way to run. Whether it is the growth of world population, of greenhouse gas concentrations and the accelerating rate of climate change, the running down of oil and natural gas reserves, growing shortages of fresh water for agriculture, industry and domestic use, or the increasing difficulty in controlling epidemic diseases we are facing a mounting global crisis that will peak in less than a generation, around the year 2030. Taken together, these trends point to a potentially apocalyptic period, if not for the planet itself then certainly for human societies and for humankind. In this compelling book, and update to The 2030 Spike, Colin Mason explains in clear and irrefutable terms what is going on largely below the surface of our daily or weekly news bulletins. The picture he paints is stark, and yet it is not bleak. Being forewarned, we are forearmed, and he draws on his own extensive political experience to describe how much we can do as individuals, and above all collectively, not merely to avert crisis but to engineer thoroughgoing change that can usher in genuinely sustainable and valuable alternatives to the way we live now.

Origin and Evolution of Earth

Since its first publication more than twenty-five years ago, How to Build a Habitable Planet has established a legendary reputation as an accessible yet scientifically impeccable introduction to the origin and evolution of Earth, from the Big Bang through the rise of human civilization. This classic account of how our habitable planet was assembled from the stuff of stars introduced readers to planetary, Earth, and climate science by way of a fascinating narrative. Now this great book has been made even better. Harvard geochemist Charles Langmuir has worked closely with the original author, Wally Broecker,

one of the world's leading Earth scientists, to revise and expand the book for a new generation of readers for whom active planetary stewardship is becoming imperative. Interweaving physics, astronomy, chemistry, geology, and biology, this sweeping account tells Earth’s complete story, from the synthesis of chemical elements in stars, to the formation of the Solar System, to the evolution of a habitable climate on Earth, to the origin of life and humankind. The book also addresses the search for other habitable worlds in the Milky Way and contemplates whether Earth will remain habitable as our influence on global climate grows. It concludes by considering the ways in which humankind can sustain Earth’s habitability and perhaps even participate in further planetary evolution. Like no other book, How to Build a Habitable Planet provides an understanding of Earth in its broadest context, as well as a greater appreciation of its possibly rare ability to sustain life over geologic time. Leading schools that have ordered, recommended for reading, or adopted this book for course use: Arizona State University Brooklyn College CUNY Columbia University Cornell University ETH Zurich Georgia Institute of Technology Harvard University Johns Hopkins University Luther College Northwestern University Ohio State University Oxford Brookes University Pan American University Rutgers University State University of New York at Binghamton Texas A&M University Trinity College Dublin University of Bristol University of California-Los Angeles University of Cambridge University Of Chicago University of Colorado at Boulder University of Glasgow University of Leicester University of Maine, Farmington University of Michigan University of North Carolina at Chapel Hill University of North Georgia University of Nottingham University of Oregon University of Oxford University of Portsmouth University of Southampton University of Ulster University of Victoria University of Wyoming Western Kentucky University Yale University

A Short History of Science

Explores the causes and effects of ice ages, explains how the Pleistocene Ice Age has shaped the earth's landscape and influenced human evolution, and offers authoritative speculation and explanations of future climate changes, their causes, and their impact on both the natural world and human civilization.

Earth's Deep History

Published by Howling at the Moon, the publishing arm of Ian Wishart's Investigate magazine, Heavan and Earth is written by Professor Ian Plimer, one of Australia's best known geologists. Reviews of Heavan and Earth has said, "a damning critique of the 'evidence' underpinning manmade global warming". "A wonderfully comprehensive and fearless booklf there are any willing to hear some truly inconvenient truths on the stampeding advocacy of global warming, Mr. Plimer's book is a collection of some of the sternest." "..a brilliantly argued book Heaven and Earth is an evidence-based attack on conformity and orthodoxy"

Living Earth

The story of life on earth unfolds in dramatic fashion in this amazing concertina picture book that takes readers from 4.6 billion years ago to the present day. It's difficult to grasp the enormous changes life on Earth has undergone since it first came into existence, but this marvelously illustrated book makes learning about our planet's fascinating history easy and entertaining. In an accordion style, the series of pages take readers through every major geological period, with bright artwork and detailed drawings. Opening on lava-filled oceans and smoking volcanoes, the book unfolds, era by era, to show how life evolved from tiny protozoa and crustaceans to dinosaurs and mammals. Fully expanded to 8 meters (26 feet), this spectacular visual timeline is a very impressive panorama that reveals evolution in all its glory. Each page is brimming with illustrations that readers will turn to again and again. A celebration of life, this extraordinary and beautiful book illuminates the history of Earth for young readers in an unforgettable and delightful way.

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION