

Set In Stone: The Geology And Landscapes Of Scotland

Media history is millions, even billions, of years old. That is the premise of this pioneering and provocative book, which argues that to adequately understand contemporary media culture we must set out from material realities that precede media themselves—Earth’s history, geological formations, minerals, and energy. And to do so, writes Jussi Parikka, is to confront the profound environmental and social implications of this ubiquitous, but hardly ephemeral, realm of modern-day life. Exploring the resource depletion and material resourcing required for us to use our devices to live networked lives, Parikka grounds his analysis in Siegfried Zielinski’s widely discussed notion of deep time—but takes it back millennia. Not only are rare earth minerals and many other materials needed to make our digital media machines work, he observes, but used and obsolete media technologies return to the earth as residue of digital culture, contributing to growing layers of toxic waste for future archaeologists to ponder. He shows that these materials must be considered alongside the often dangerous and exploitative labor processes that refine them into the devices underlying our seemingly virtual or immaterial practices. A Geology of Media demonstrates that the environment does not just surround our media cultural world—it runs through it, enables it, and hosts it in an era of unprecedented climate change. While looking backward to Earth’s distant past, it also looks forward to a more expansive media theory—and, implicitly, media activism—to come.

*Set in Stone*The Geology and Landscapes of ScotlandBirlinn

United States Congressional Serial Set

Urban Geology, Sustainable Planning and Landscape Exploitation

Our enery future is not set in stone

Descriptive Catalogue of the Geological, Mining and Metallurgical Models

Geology and Ore Deposits of the Magdalena Mining District, New Mexico

Part I -- Metals and Nonmetals Except Fuels

In warfare, military geologists pursue five main categories of work: tactical and strategic terrain analysis, fortifications and tunneling, resource acquisition, defense installations, and field construction and logistics. In peace, they train for wartime operations and may be involved in peace-keeping and nation-building exercises. In addition to the introductory paper this volume includes 24 papers, covering selected aspects of the history of military geology from the early 19th century through the recent Persian Gulf war.

"This book is the first peer-reviewed collection of papers focusing on the potential of myth storylines to yield data and lessons that are of value to the geological sciences. Building on the nascent discipline of geomythology, scientists and scholars from a variety of disciplines have contributed to this volume. The geological hazards (such as earthquakes, tsunamis, volcanic eruptions and cosmic impacts) that have given rise to myths are considered, as are the sacred and cultural values associated with rocks, fossils, geological formations and landscapes. There are also discussions about the historical and literary perspectives of geomythology. Regional coverage includes Europe and the Mediterranean, Afghanistan, Cameroon, India, Australia, Japan, Pacific islands, South America and North America. Myth and Geology challenges the widespread notion that myths are fictitious or otherwise lacking in value for the physical sciences." -- BOOK JACKET.

My Book of Rocks and Minerals

The Geological Magazine Or Monthly Journal of Geology

Reading the Rocks of the Great Ocean Road

Myth and Geology

Global Heritage Stone

Geological Setting, Palaeoenvironment and Archaeology of the Red Sea

If technology is an undeniable catalyst for progress, then energy is its inevitable basic food. It is no coincidence that since the industrial revolution, economic growth has been fuelled first by coal, then by oil & gas. Although energy intensity reserves are still sizeable in emerging economies and the technological catalyst can partially dematerialize growth, it is unrealistic to separate growth from its basic food. And, even if the “fossil energies share” (oil/gas/coal) will lose a few percent to nuclear and renewable energies over the next decades, all the indicators point to a world mix in which the fossil energy share will still top 75% by 2035. Driven by growth in emerging countries, the demand for oil and gas will continue to grow steadily. Even if there are enough oil and gas reserves to see us through the next three decades, will the industry be able to exploit and produce new resources that are increasingly complex to develop at a sufficient rate and which are often located in politically unstable countries? Not to mention the added challenge of the growing numbers of stakeholders who are increasingly insistent on industrial safety, environment and societal issues? In particular, will non-conventional resources, whose production growth could defer the oil & gas peaks by several decades, be able to withstand political and environmental lobbies? The evolution of oil & gas landscape over the past few years reveals a disturbing increase in the time required to develop large new fields and an accelerated decline of the production base due to the ageing of most of the mature-field facilities. This book aims to analyze all the critical factors (technical, political, economic, social and human) that could potentially accelerate or delay the maintenance and redevelopment of mature producing fields as well as the discovery and development of new conventional and unconventional resources. Insofar as in 2035, oil and gas still account for more than half of the world primary energy consumption, the appropriate management of these critical factors is crucial to ensuring, at least in the medium term, the “Grail of Growth”. However, the hope of achieving the 450 ppm targets of Copenhagen has been shattered – bad news for the human population which is becoming more concerned with ensuring its short-term growth than with its long-term survival. Our energy future is not set in stone. Contents : 1. The food of growth. 2. Limiting the decline of the basement. 3. The increasing complexity of new developments. 4. Reaching excellence in safety. 5. Obtaining an environmental and social license to operate. 6. The “Energy” of the “Energy”. 7. Our energy future is not set in stone.

This book offers new interpretations of Tennyson’s major poems along-side contemporary geology, and specifically Charles Lyell’s Principles of Geology (1830–3). Employing various approaches – from close readings of both the poetic and geological texts, historical contextualisation and the application of Bakhtin’s concept of dialogism – the book demonstrates not only the significance of geology for Tennyson’s poetry, but the vital import of Tennyson’s poetics in explicating the implications of geology for the nineteenth century and beyond. Gender ideologies in The Princess (1847) are read via High Miller’s geology, while the writings of Lyell and other contemporary geologist, comparative anatomists and language theorists are examined along-side In Memoriam (1851) and Maud (1855). The book argues that Tennyson’s experimentation with Lyell’s geology produced a remarkable ‘uniformitarian’ poetics that is best understood via Bakhtinian theory; a poetics that reveals the seminal role methodologies in geology played in the development of divisions between science and culture, and that also, quite profoundly, anticipates the crisis in language later associated with the linguistic turn of the twentieth century.

How can the demand for oil and gas in 2035 be met?

Written in Stone

Things to Find, Collect, and Treasure

Contributions to Economic Geology (short Papers and Preliminary Reports) 1910

Engineering Geology and the Environment

Bulletin – United States Geological Survey

Volcanic dust, climate change, tsunamis, earthquakes—geoscience explores phenomena that profoundly affect our lives. But more than that, as Doug Macdougall makes clear, the science also provides important clues to the future of the planet. In an entertaining and accessibly written narrative, Macdougall gives an overview of Earth’s astonishing history based on other natural archives. He explores such questions as: What is the risk of an asteroid striking Earth? Why does the temperature of the ocean millions of years ago matter today? How are efforts to predict earthquakes progressing? Macdougall also explains the legacy of greenhouse gases from Earth’s past and shows how that legacy shapes our understanding of t geoscience in fact illuminates many of today’s most pressing issues—the availability of energy, access to fresh water, sustainable agriculture, maintaining biodiversity—and we discover how, by applying new technologies and ideas, we can use it to prepare for the future.

Scotland is justly famed for its magnificent scenery - mountains, lochs, islands, wild rocky places and sandy beaches. All this is evidence of an exciting geological history which began 3,500 billion years ago and is still continuing. The sheer diversity of Scotland's rocks and land forms are the physical reminders of a fascinating journey through time. They reveal that to travel the world and has not always even belonged to one single continental landmass. At different times, too, continents formed and split apart, ancient volcanoes erupted vast quantities of lava and Ice Age glaciers shaped the landscape. Containing a huge amount of detailed information presented in clear, comprehensible language and enhanced throughout with maps and photographs, this is an essential book for anyone interested in the world around them.

The Forensic Geology Box Set

(southern Beaver and Northwestern Allegheny Counties)

Part I comprising the first geological district

Land of Mountain and Flood

Engineering Geology for Society and Territory - Volume 5

Report of the State Geologist on the Mineral Industries and Geology of Certain Areas of Vermont

The years between 1700 and 1900 witnessed a fundamental transition in attitudes towards science, as earlier concepts of natural philosophy were replaced with a more modern conception of science. This process was by no means a simple progression, and the changing attitudes to science was marked by bitter arguments and fundamental differences of opinion, many of which are still not entirely resolved today. Approaching the subject from a number of cultural angles, the essays in this volume explore the fluid relationship between science and belief during this crucial period, and help to trace the development of science as an independent field of study that did not look to religion to provide answers to the workings of the universe. Taking a broadly chronological approach, each essay in this book addresses a theme that helps illuminate these concerns and highlights how beliefs - both religious and secular - have impinged and influenced the scientific world. By addressing such key issues such as the ongoing debate between Christian fundamentalists and followers of Darwin, and the rise of 'respectable atheism', fascinating insights are provided that help to chart the ever-shifting discourse of science and beliefs.

A stunning visual reference book for little geologists who love to find fascinating rocks all around them. Identify colorful gemstones, sparkly crystals, the toughest rocks, and ancient fossils. Packed with fun facts, information, and extensive photos all about the rocks and minerals that make up the world around us. Interactive learning that engages young scholarly minds. Learn about 64 different types of rocks and minerals, how to tell the difference between them and where to find them. Dig into all the interesting geological materials from deep space to the deepest caves. You'll even discover glow in the dark minerals and living gems! Find out about the stuff our world is made of, and how rocks and minerals form over time. This captivating book introduces children to hands-on science with fun activities like starting your own impressive rock collection and how to stay safe on your rock finding missions. Written for kids aged 6 to 9 with bite-sized information and explanations. The easy-to-understand language gives them a rock-solid foundation for science subjects. The geology book includes the phonetic pronunciation of the rock and mineral names so your little one will sound like a rock expert in no time. Rockin' It With Stones And Minerals - Stunning high-quality photographs. - Inspiring activities for little Earth scientists. - Over 64 types of rocks, their properties, and how they are formed.

Why Geology Matters

Geology of New-York

Set in Stone

Congressional Serial Set

Decoding the Past, Anticipating the Future

Annals of the Former World

This book gathers invited contributions from active researchers to provide an up-to-date overview of the geological setting of the Red Sea. It discusses aspects ranging from historical information to modern research in the Red Sea, and presents findings from rapidly advancing, emerging fields. This semi-enclosed young ocean basin provides a unique opportunity to study the development of passive continental margins in order to examine the current status of that region. In addition to studies on the Sea itself, it includes those from related fields on the littoral zone. The book is of interest to geoscientists and non-specialists alike.

This book is the first to describe the history of geoconservation. It draws on experience from the UK, Europe and further afield, to explore topics including: what is geoconservation; where, when and how did it start; who was responsible; and how has it differed across the world? Geological and geomorphological features, processes, sites and specimens, provide a resource of immense scientific and educational importance. They also form the foundation for the varied and spectacular landscapes that help define national and local identity as well as many of the great tourism destinations. Mankind’s activities, including contributing to enhanced climate change, pose many threats to this resource: the importance of safeguarding and managing it for future generations is now widely accepted as part of sustainable development. Geoconservation is an established and growing activity across the world, with more participants and a greater profile than ever before. This volume highlights a history of challenges, set-backs, successes and visionary individuals and provides a sound basis for taking geoconservation into the future.

Economic Geology of the Beaver Quadrangle, Pennsylvania

The History of Geoconservation

Geology and Mineral Resources of Washington County, Oklahoma

Poetry and Poetics

Books 4 & 5

Heritage stones are building and ornamental stones that have special significance in human culture. The papers in this volume discuss a wide variety of such materials, including stones from Europe, Asia, North and South America, Africa and Australia. Igneous (basalt, porphyry, granite), sedimentary (sandstone, limestone) and metamorphic (marble, quartzite, gneiss, soapstone, slate) stones are featured. These have been utilized over long periods of time for a wide range of uses contributing to the historic fabric of the built environment. Many of these stones are of international significance, and so are potential Global Heritage Stone Resources, that is stones that have the requisite qualities for international recognition by the Heritage Stones Subcommittee of the International Union of Geological Sciences. The papers bring together diverse information on these stones ranging from their geological setting and quarry locations to mechanical properties, current availability, and uses over time. As such the papers can serve as an entry into the literature on these important stones.

A celebration of the unique coastline of the Great Ocean Road and the deep time that has shaped it. Written in Stone takes the reader from the ochre cliffs of Torquay where 25 million year old fossils can be found, past the tip of Cape Otway where Gondwanan rivers have preserved dinosaur bones and on towards the Twelve Apostles. Each location has been mapped, photographed, sketched and offered to the reader with the eye of a geologist and an artist. Through following the iconic Great Ocean Road Written in Stone shows us how to look closer and see things that we may otherwise pass by. It reveals how time and process acting on and shaping the landscape. This book captures the curiosity and beauty of small moments. Of objects found on walks, collected and treasured. Philomena shows us that each small piece is a puzzle to the wider workings of geology and how it shapes our lives.

Geology of the Eagle-Circle District, Alaska

Geological Survey Bulletin

A Geology of Media

Science and Beliefs

Economic Geology of the Kittanning and Rural Valley Quadrangles, Pennsylvania

Geology in the Law ...

The Pulitzer Prize-winning view of the continent, across the fortieth parallel and down through 4.6 billion years Twenty years ago, when John McPhee began his journeys back and forth across the United States, he planned to describe a cross section of North America at about the fortieth parallel and, in the process, come to an understanding not only of the science but of the style of the geologists he traveled with. The structure of the book never changed, but its breadth caused him to complete it in stages, under the overall title Annals of the Former World. Like the terrain it covers, Annals of the Former World tells a multilayered tale, and the reader may choose one of many paths through it. As clearly and succinctly written as it is profoundly informed, this is our finest popular survey of geology and a masterpiece of

modern nonfiction. **Annals of the Former World** is the winner of the 1999 Pulitzer Prize for Nonfiction.

The land that was to become Scotland has travelled across the globe over the last 3,000 million years - from close to the South Pole to its current position. During these travels, there were many continental collisions, creating mountain belts as high as the present-day Himalayas. Our climate too has changed dramatically over the last 3 billion years from the deep freeze of the Ice Age to scorching heat of the desert. And within a relatively short time - geologically speaking, we will plunge back into another ice age. In *Set in Stone*, Alan McKirdy traces Scotland's amazing geological journey.

Geology of New-York: Comprising the geology of the first geological district

Academic Press Dictionary of Science and Technology

Geology of New York; Comprising The Geology Of The First Geological District

The Geology and Landscapes of Scotland

Military Geology in War and Peace

Worldwide Examples of Heritage Stones

Over 125,000 entries cover 124 scientific and technological fields, including acoustical engineering, cartography graphic arts, microbiology, organic chemistry, radiology, and zoology

Mystery. Thrills. Adventure. Books 4 & 5 in the series: SKELETON SEA: A mystery at sea plunges forensic geologists Cassie Oldfield and Walter Shaws into deadly waters. When a boat is found deserted off the California coast, it looks to be a simple fishing accident. But there is nothing ordinary going on here. The geologists track the strange incident to an even stranger project. Someone with toxic skills is at work in this sea. RIVER RUN: There are plenty of ways to die in the Grand Canyon. The geologists investigate one way: Stranded raft. Life vests unused. Rafters missing. The only clue to the fate of the rafters is a bag of pebbles caught in the bowline. Following that clue, the geologists uncover a hellish scheme. Not only are the rafters in peril, but the river itself is under attack. -- All books in the series are complete novels, and can be enjoyed in any order. -- Book #1: Quicksilver -- Book #2: Badwater -- Book #3: Volcano Watch

Carved in Stone

The Geology and Landforms of Scotland

Geological Evidence of the Worldwide Flood

Tennyson and Geology

Geology of New York: Geology of the first geological district, by W. W. Mather

From Natural Philosophy to Natural Science, 1700 – 1900

This book is one out of 8 IAEG XII Congress volumes, and deals with the theme of urban geology. Along with a rapidly growing world population, the wave of urban growth continues, causing cities to swell and new metropolitan centers to emerge. These global trends also open new ventures for underground city development. Engineering geology plays a major role in facing the increasing issues of the urban environment, such as: finding aggregates for construction works; providing adequate water supply and waste management; solving building problems associated to geological and geomorphological conditions; evaluating host rock conditions for underground constructions; preventing or mitigating geological and seismic hazards. Furthermore, this book illustrates recent advancements in sustainable land use planning, which includes conservation, protection, reclamation and landscape impact of open pit mining and alternative power generation. The Engineering Geology for Society and Territory volumes of the IAEG XII Congress held in Torino from September 15-19, 2014, analyze the dynamic role of engineering geology in our changing world and build on the four main themes of the congress: environment, processes, issues and approaches. The congress topics and subject areas of the 8 IAEG XII Congress volumes are: 1. Climate Change and Engineering Geology 2. Landslide Processes River Basins 3. Reservoir Sedimentation and Water Resources 4. Marine and Coastal Processes Urban Geology 5. Sustainable Planning and Landscape Exploitation 6. Applied Geology for Major Engineering Projects 7. Education, Professional Ethics and Public Recognition of Engineering Geology 8. Preservation of Cultural Heritage Report of the State Geologist on the Mineral Industries and Geology of Vermont Geology of New York: Geology of the first geological district (by William W. Mather)