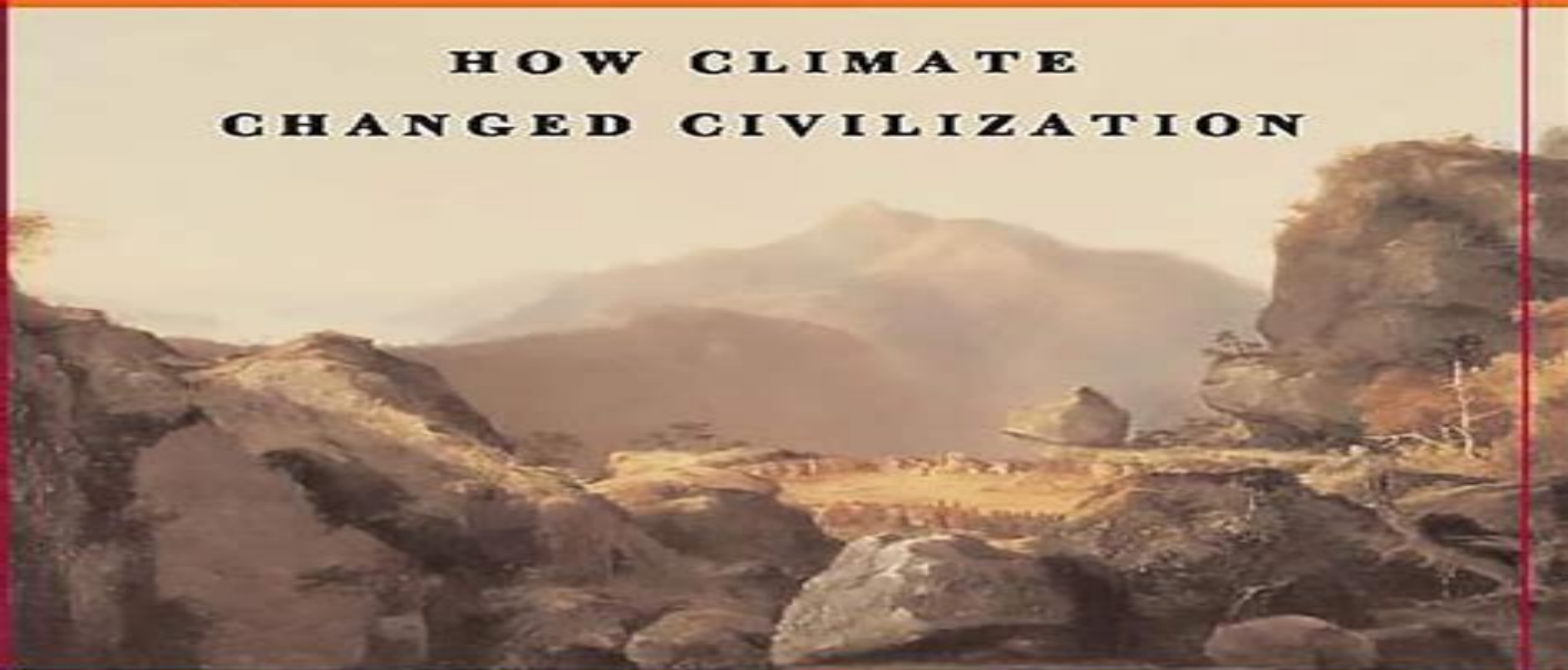


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THE LONG SUMMER

**HOW CLIMATE
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Author of
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The Long Summer Brian Fagan, 2004-12-29 Humanity evolved in an Ice Age in which glaciers covered much of the world But starting about 15 000 years ago temperatures began to climb Civilization and all of recorded history occurred in this warm period the era known as the Holocene the long summer of the human species In *The Long Summer* Brian Fagan brings us the first detailed record of climate change during these 15 000 years of warming and shows how this climate change gave rise to civilization A thousand year chill led people in the Near East to take up the cultivation of plant foods a catastrophic flood drove settlers to inhabit Europe the drying of the Sahara forced its inhabitants to live along the banks of the Nile and increased rainfall in East Africa provoked the bubonic plague *The Long Summer* illuminates for the first time the centuries long pattern of human adaptation to the demands and challenges of an ever changing climate challenges that are still with us today

The End of the Long Summer Dianne Dumanoski, 2009-07-14 For the past twelve thousand years Earth's stable climate has allowed human civilization to flourish But this long benign summer is an anomaly in the Earth's history and one that is rapidly coming to a close The radical experiment of our modern industrial civilization is now disrupting our planet's very metabolism our future hinges in large part on how Earth responds Climate change is already bearing down hitting harder and faster than expected The greatest danger is not extreme yet discrete weather events such as Hurricane Katrina or the calamitous wildfires that now plague California but profound and systemic disruptions on a global scale Contrary to the pervasive belief that climate change will be a gradual escalator ride into balmy temperatures the Earth's climate system has a history of radical shifts dramatic shocks that could lead to the collapse of social and economic systems The question is no longer simply how can we stop climate change but how can we as a civilization survive it The guiding values of modern culture have become dangerously obsolete in this new era Yet as renowned environmental journalist Dianne Dumanoski shows little has been done to avert the crisis or to prepare human societies for a time of growing instability In a work of astonishing scope Dumanoski deftly weaves history science and culture to show how the fundamental doctrines of modern society have impeded our ability to respond to this crisis and have fostered an economic globalization that is only increasing our vulnerability at this critical time She exposes the fallacy of banking on a last minute technological fix as well as the perilous trap of believing that humans can succeed in the quest to control nature Only by restructuring our global civilization based on the principles that have allowed Earth's life and our ancestors to survive catastrophe diversity redundancy a degree of self sufficiency social solidarity and an aversion to excessive integration can we restore the flexibility needed to weather the trials ahead In this powerful and prescient book Dumanoski moves beyond now ubiquitous environmental buzzwords about green industries and clean energy to provide a new cultural map through this

dangerous passage Though the message is grave it is not without hope Lucid eloquent and urgent *The End of the Long Summer* deserves a place alongside transformative works such as *Silent Spring* and *The Fate of the Earth* *Climate Change and the Course of Global History* John L. Brooke, 2014-03-17 The first global study by a historian to fully integrate the earth system approach of the new climate science with the material history of humanity **Exploring Climate Change through Science and in Society** Mike Hulme, 2013-09-11 Mike Hulme has been studying climate change for over thirty years and is today one of the most distinctive and recognisable voices speaking internationally about climate change in the academy in public and in the media The argument that he has made powerfully over the last few years is that climate change has to be understood as much as an idea situated in different cultural contexts as it is as a physical phenomenon to be studied through universal scientific practices Climate change at its core embraces both science and society both knowledge and culture Hulme's numerous academic and popular writings have explored what this perspective means for the different ways climate change is studied narrated argued over and acted upon *Exploring Climate Change through Science and in Society* gathers together for the first time a collection of his most popular prominent and controversial articles essays speeches interviews and reviews dating back to the late 1980s The 50 or so short items are grouped together in seven themes Science Researching Culture Policy Communicating Controversy Futures and within each theme are arranged chronologically to reveal changing ideas evidence and perspectives about climate change Each themed section is preceded with a brief introduction drawing out the main issues examined Three substantive unpublished new essays have been specially written for the book including one reflecting on the legacy of Climategate Taken as a collection these writings reveal the changes in scientific and public understandings of climate change since the late 1980s as refracted through the mind and expression of one leading academic and public commentator The collection shows the many different ways in which it is necessary to approach the idea of climate change to interpret and make sense of the divergent and discordant voices proclaiming it in the public sphere *Climate Change, Human Security and Violent Conflict* Jürgen Scheffran, Michael Brzoska, Hans Günter Brauch, Peter Michael Link, Janpeter Schilling, 2012-05-26 Severe droughts damaging floods and mass migration Climate change is becoming a focal point for security and conflict research and a challenge for the world's governance structures But how severe are the security risks and conflict potentials of climate change Could global warming trigger a sequence of events leading to economic decline social unrest and political instability What are the causal relationships between resource scarcity and violent conflict This book brings together international experts to explore these questions using in depth case studies from around the world Furthermore the authors discuss strategies institutions and cooperative approaches to stabilize the climate society interaction **The Ancient Indus Valley** Jane R. McIntosh, 2007-11-12 This work is a revealing study of the enigmatic Indus civilization and how a rich repertoire of archaeological tools is being used to probe its puzzles *The Ancient Indus Valley New Perspectives* takes readers back to a

civilization as complex as its contemporaries in Mesopotamia and Egypt one that covered a far larger region yet lasted a much briefer time less than a millennium and left few visible traces Researchers have tentatively reconstructed a model of Indus life based on limited material remains and despite its virtually indecipherable written record This volume describes what is known about the roots of Indus civilization in farming culture as well as its far flung trading network sophisticated crafts and architecture and surprisingly war free way of life Readers will get a glimpse of both a remarkable piece of the past and the extraordinary methods that have brought it back to life Land Air Sea Jennifer Ferng, Lauren Jacobi, 2023-12-14

Land Air Sea Architecture and Environment in the Early Modern Era positions the long Renaissance and eighteenth century as being vital for understanding how many of the concerns present in contemporary debates on climate change and sustainability originated in earlier centuries Traversing three physical and intellectual domains Land Air Sea consists of case studies examining how questions of environmentalism were formulated in early modern architecture and the built environment Addressing emergent technologies indigenous cultural beliefs natural philosophy and political statecraft this book aims to recast our modernist conceptions of what buildings are by uncovering early modern epistemologies that redefined human impact on the habitable world *Historical Disasters in Context* Andrea JANKU, Gerrit Schenk, Franz Mauelshagen, 2011-12-21

Growing concerns about climate change and the increasing occurrence of ever more devastating natural disasters in some parts of the world and their consequences for human life not only in the immediately affected regions but for all of us have increased our desire to learn more about disaster experiences in the past How did disaster experiences impact on the development of modern sciences in the early modern era Why did religion continue to play such an important role in the encounter with disasters despite the strong trend towards secularization in the modern world What was the political role of disasters *Historical Disasters in Context* illustrates how past societies coped with a threatening environment how societies changed in response to disaster experiences and how disaster experiences were processed and communicated both locally and globally Particular emphasis is put on the realms of science religion and politics International case studies demonstrate that while there are huge differences across cultures in the way people and societies responded to disasters there are also many commonalities and interactions between different cultures that have the potential to alter the ways people prepare for and react to disasters in future To explain these relationships and highlight their significance is the purpose of this volume **The Empire of Climate** David N. Livingstone, 2024-04-16

How the specter of climate has been used to explain history since antiquity Scientists journalists and politicians increasingly tell us that human impacts on climate constitute the single greatest threat facing our planet and may even bring about the extinction of our species Yet behind these anxieties lies an older much deeper fear about the power that climate exerts over us *The Empire of Climate* traces the history of this idea and its pervasive influence over how we interpret world events and make sense of the human condition from the rise and fall of ancient civilizations to the afflictions of the modern psyche Taking readers from the time of

Hippocrates to the unfolding crisis of global warming today David Livingstone reveals how climate has been critically implicated in the politics of imperial control and race relations been used to explain industrial development market performance and economic breakdown and served as a bellwether for national character and cultural collapse He examines how climate has been put forward as an explanation for warfare and civil conflict and how it has been identified as a critical factor in bodily disorders and acute psychosis A panoramic work of scholarship The Empire of Climate maps the tangled histories of an idea that has haunted our collective imagination for centuries shedding critical light on the notion that everything from the wealth of nations to the human mind itself is subject to climate s imperial rule Global Fever William H. Calvin,2010-08-09 Security and Environmental Change Simon Dalby,2009-07-27 Simon Dalby provides an accessible and engaging account of the challenges we face in responding to security and environmental change He traces the historical roots of current thinking about security and climate change to show the roots of the contemporary concern Climate and American Literature Michael Boyden,2021-03-04 Climate has infused the literary history of the United States from the writings of explorers and conquerors over early national celebrations of the American climate to the flowering of romantic nature writing This volume traces this complex semantic history in American thought and literature to examine rhetorical and philosophical discourses that continue to propel and constrain American climate perceptions today It explores how American literature from its inception up until the present engages with the climate both real and perceived Climate and American Literature attends to the central place that the climate has historically occupied in virtually all aspects of American life from public health and medicine over the organization of the political system and the public sphere to the culture of sensibility aesthetics and literary culture It details American inflections of climate perceptions over time to offer revealing new perspectives on one of the most pressing issues of our time **Ancient Israel's History** Bill T. Arnold,Richard S. Hess,2014-11-11 The history of Israel is a much debated topic in Old Testament studies On one side are minimalists who find little of historical value in the Hebrew Bible On the other side are those who assume the biblical text is a precise historical record Many serious students of the Bible find themselves between these two positions and would benefit from a careful exploration of issues in Israelite history This substantive history of Israel textbook values the Bible s historical contribution without overlooking critical issues and challenges Featuring the latest scholarship the book introduces students to the current state of research on issues relevant to the study of ancient Israel The editors and contributors all top biblical scholars and historians discuss historical evidence in a readable manner using both canonical and chronological lenses to explore Israelite history Illustrative items such as maps and images visually support the book s content Tables and sidebars are also included **Wasted World** Rob Hengeveld,2020-03-04 This biologist s monumental cri de Coeur for our planet offers a holistic view of our species the waste we produce and a path toward sustainability Nature In Wasted World Rob Hengeveld traces the entwined histories of population growth and resource consumption to reveal how our global waste crises came

about As Hengeveld explains human life depends on energy which we first obtained through food Later we supplemented this with energy from water wind animals and finally fossil fuels as one source after another fell short of our ever growing needs Greater energy consumption has created greater waste including the atmospheric waste that is driving climate change As we face a web of interconnected problems addressing them individually will not work Instead Hengeveld argues we need to tackle their common cause our staggering population growth A practical look at the sustainability of our planet from a biologist and expert in the abundances and distributions of species *Wasted World* examines the whole process of using wasting and exhausting energy and material resources And by elucidating the complexity of the causes of our current global state Hengeveld offers us a way forward *Storm Warning* Robert William Sanford, 2015 Human beings and industrial based society are changing the composition of our planet's atmosphere and causing it to warm at an unnatural and oftentimes astonishing rate Much of that warmth is being absorbed by water which is causing an acceleration in the rate and manner in which water moves through the global hydrological cycle A warmer atmosphere carries more water vapor which means as temperatures continue to rise storms will be more intense last longer and cause more damage to our towns cities and vital infrastructure On the other side of the hydro climate coin we can also expect deeper more persistent and damaging droughts throughout the world resulting in dramatic losses difficult economic outcomes and fundamental alterations to landscape This highly considered accessible and readable book explains how changes in the water cycle have already begun to affect how we think about and value water security and climate stability and what we can do to ensure a sustainable future for our children and grandchildren *The Political Ecology of Climate Change Adaptation* Marcus Taylor, 2014-11-17 This book provides the first systematic critique of the concept of climate change adaptation within the field of international development Drawing on a reworked political ecology framework it argues that climate is not something out there that we adapt to Instead it is part of the social and biophysical forces through which our lived environments are actively yet unevenly produced From this original foundation the book challenges us to rethink the concepts of climate change vulnerability resilience and adaptive capacity in transformed ways With case studies drawn from Pakistan India and Mongolia it demonstrates concretely how climatic change emerges as a dynamic force in the ongoing transformation of contested rural landscapes In crafting this synthesis the book recalibrates the frameworks we use to envisage climatic change in the context of contemporary debates over development livelihoods and poverty With its unique theoretical contribution and case study material this book will appeal to researchers and students in environmental studies sociology geography politics and development studies *Climatic Cataclysm* Kurt M. Campbell, 2009-10-01 Global climate change poses not only environmental hazards but profound risks to planetary peace and stability as well *Climatic Cataclysm* gathers experts on climate science oceanography history political science foreign policy and national security to take the measure of these risks The contributors have developed three scenarios of what the future may hold The expected scenario relies on current

scientific models to project the effects of climate change over the next 30 years. The severe scenario, which posits a much stronger climate response to current levels of carbon loading, foresees profound and potentially destabilizing global effects over the next generation or more. Finally, the catastrophic scenario is characterized by a devastating tipping point in the climate system perhaps 50 or 100 years hence. In this future world, the land-based polar ice sheets have disappeared, global sea levels have risen dramatically, and the existing natural order has been destroyed beyond repair. The contributors analyze the security implications of these scenarios, which at a minimum include increased disease proliferation, tensions caused by large-scale migration, and conflict sparked by resource scarcity, particularly in Africa. They consider what we can learn from the experience of early civilizations confronted with natural disaster and ask what the three largest emitters of greenhouse gases—the United States, the European Union, and China—can do to reduce and manage future risks. In the coming decade, the United States faces an ominous set of foreign policy and national security challenges. Global climate change will not only complicate these tasks but, as this sobering study reveals, it may also create new challenges that dwarf those of today. Contributors include Leon Fuerth, George Washington University; Jay Gullede, Pew Center on Global Climate Change; Alexander T. J. Lennon, Center for Strategic and International Studies; J. R. McNeil. **East Asian Low-Carbon Community** Weisheng Zhou, Xuepeng Qian, Ken'ichi Nakagami, 2021-02-04. This book presents a new vision of regional decarbonization with concrete scheme design and substantial quantitative demonstration from original interdisciplinary studies. It provides a new horizon for not only climate change and environmental conservation but also for international cooperation and peace in East Asia. The chapters introduce diverse low-carbon society principles from local to global level with best practices integrating technology evolution and social innovation. While the book is designated for academics, the ultimate goal is to facilitate international climate regime making and environmental cooperation. Local government and international organizations, United Nations, World Bank, and others, officers, researchers, international NGO, NPOs, consultants, students, particularly those studying environmental policy studies or international relationships, as well as reporters will find this book useful in broadening their understanding of low-carbon development in East Asia. **Convergence** Peter Watson, 2017-02-21. Those seeking a grand overview of science's greatest hits over the past century will find it here. The Washington Post's Peter Watson's bold history of science offers a powerful argument that the many disparate scientific branches are converging on the same truths. *Convergence* is a history of modern science with an original and significant twist. Various scientific disciplines, despite their very different beginnings, have been coming together over the years, converging and coalescing. Intimate connections have been discovered between physics and chemistry, psychology and biology, genetics and linguistics. In this groundbreaking book, Peter Watson identifies one extraordinary master narrative capturing how the sciences are slowly resolving into one overwhelming interlocking story about the universe. Watson begins his narrative in the 1850s, the decade when he argues the convergence of the sciences began. The idea of the conservation of energy was introduced in this decade, as was Darwin's

theory of evolution both of which rocketed the sciences forward and revealed unimagined interconnections and overlaps between disciplines Decade after decade the story captures every major scientific advance en route to the present proceeding like a cosmic detective story or the world's most massive code breaking effort Fascinating Highly recommended Watson treats biology chemistry and physics as entangled plotlines and readers excitement will build as more connections are made Library Journal starred review Told through the eyes of the scientists themselves charting each discovery and breakthrough Convergence is a massive tour de force Publishers Weekly and a gripping way to learn what we now know about the universe and where our inquiries are heading

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