

## Poles Apart The Great Climate Change Debate

Poles Apart: Winners and losers in the history of human development

By 1979, we knew all that we know now about the science of climate change - what was happening, why it was happening, and how to stop it. Over the next ten years, we had the very real opportunity to stop it. Obviously, we failed. Nathaniel Rich's groundbreaking account of that failure - and how tantalizingly close we came to signing binding treaties that would have saved us all before the fossil fuels industry and politicians committed to anti-scientific denialism - is already a journalistic blockbuster, a full issue of the New York Times Magazine that has earned favorable comparisons to Rachel Carson's *Silent Spring* and John Hersey's *Hiroshima*. Rich has become an instant, in-demand expert and speaker. A major movie deal is already in place. It is the story, perhaps, that can shift the conversation. In the book *Losing Earth*, Rich is able to provide more of the context for what did - and didn't - happen in the 1980s and, more important, is able to carry the story fully into the present day and wrestle with what those past failures mean for us in 2019. It is not just an agonizing revelation of historical missed opportunities, but a clear-eyed and eloquent assessment of how we got to now, and what we can and must do before it's truly too late.

Info Trail for ages 5-11: \*Enthuses all readers with attention-grabbing titles, engaging humour and inventive topics to inspire excellence and enjoyment in learning. \*Provides broad and rich cross-curricular content linked to History, Geography and Science with many matches to National Curriculum and QCA topics. \*Provides excellent models for writing with coverage of all NLS non-fiction text types pupils need to experience and understand. \*Especially motivates and supports reluctant readers through supportive illustrations and Access texts for ages 9-11.

\*Promotes valuable awareness of community and citizenship through many titles based around community, environment and health. \*Simple integration of assessment for learning into class teaching is provided in the Teaching Notes which ensure children's reading and writing skills progress at word, sentence and text level. \*Accessible Teaching Notes and Activity sheets ensure teachers, teaching assistants and parents are all able to contribute to teaching and learning.

Poles Apart is a wide-ranging comparative study on the prevalence of climate scepticism - in its various forms - in the media around the world. It focuses on newspapers in Brazil, China, France, India, the UK, and the USA, but includes an overview of research on the media of other countries. Poles Apart includes a detailed survey of several hundred articles in ten British national newspapers to see where climate scepticism is most to be found, and which individual sceptics and organisations are most quoted.

This book illuminates the importance of threat on the representation of everyday life, from an interdisciplinary perspective. Divided into three parts, the book sets out by addressing the conceptual aspects of threat and by opening views on phenomena and social processes associated with threat. It shows how threat constitutes an analytical category that simultaneously involves social, psychological, religious, historical and political factors, and calls for a sufficiently broad conceptual definition to integrate pluri-disciplinary contributions. The second part focuses on the building of threats, mainly the environmental threats that have reached a tragic dimension today and are a core aspect of world concerns, the contemporary global terrorism, the migrations and the challenges these bring to contemporary societies, as well as the threats associated with the emergence of nationalism and the diverse aspects of excluding the Other. The final part examines the coping strategies, including oblivion, denial and defiance associated with different sources of threats, for instance those arising from epidemic and collective diseases, financial technology, natural disasters and collective traumas.

This book is a broad and detailed case study of how journalists in more than 20 countries worldwide covered the Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment (AR5) reports on the state of scientific knowledge relevant to climate change. Journalism, it demonstrates, is a key element in the transnational communication infrastructure of climate politics. It examines variations of coverage in different countries and locations all over the world. It looks at how IPCC scientists review the role of media, reflects on how media relate to decision-making structures and cultures, analyzes how key journalists reflect on the challenges of covering climate change, and shows how the message of IPCC was distributed in the global networks of social media.

The 2009 United Nations climate conference in Copenhagen is often represented as a watershed in global climate politics, when the diplomatic efforts to negotiate a successor agreement to the Kyoto Protocol failed and was replaced by a fragmented and decentralized climate governance order. In the post-Copenhagen landscape the top-down universal approach to climate governance has gradually given way to a more complex, hybrid and dispersed political landscape involving multiple actors, arenas and sites. The Handbook contains contributions from more than 50 internationally leading scholars and explores the latest trends and theoretical developments of the climate governance scholarship.

First published in 1994. Routledge is an imprint of Taylor & Francis, an informa company.

Narrative of Amundsen's attainment of the South Pole, December 1911. Vol. 2. contains appendices on the eastern sledge journey, the voyage of the Fram, the construction of the Fram, and scientific results of the expedition.

This book, drawing on new research conducted for the UK Energy Resource Centre (UKERC), examines the contemporary public debate on climate change and the linked issue of energy security. It analyses the key processes which affect the formation of public attitudes and understanding in these areas, while also developing a completely new method for analysing these processes. The authors address fundamental questions about how to adequately inform the public and develop policy in areas of great social importance when public distrust of politicians is so widespread. The new methods of attitudinal research pioneered here combined with the attention to climate change have application and resonance beyond the UK and indeed carry global import.

Climate Change as Social Drama looks at the cultural sociology of climate change in public communication.

Scientists and politicians are increasingly using the language of risk to describe the climate change challenge. Some researchers have argued that stressing the 'risks' posed by climate change rather than the 'uncertainties' can create a more helpful context for policy makers and a stronger response from the public. However, understanding the concepts of risk and

uncertainty - and how to communicate them - is a hotly debated issue. In this book, James Painter analyses how the international media present these and other narratives surrounding climate change. He focuses on the coverage of reports by the Intergovernmental Panel on Climate Change (IPCC) and of the melting ice of the Arctic Sea, and includes six countries: Australia, France, India, Norway, the UK and the USA.

Global Perspectives on Eco-Aesthetics and Eco-Ethics: A Green Critique focuses on the interface of the Anthropocene, sustainability, ecological aesthetics, multispecies relationality, and the environment as reflected in literature and culture. This book examines how writers have addressed ecological crises and environmental challenges that transcend national, cultural, political, social, and linguistic borders. It demonstrates how, as the environmental humanities developed and emerged as a critical discipline, it generated a diverse range of interdisciplinary fields of study such as ecogeography, ecodesign, ecocinema, ecotheology, ecofeminism, ethnobotany, ecolinguistics, and bioregionalism, and formed valuable, interdisciplinary networks of critique and advocacy—and its contemporary expansion is exceptionally salient to social, political, and public issues today.

We humans are social animals, naturally driven to form close-knit groups. All too often, though, these groups become partisan. They start to compete with one another. They become mutually hostile. Why does this happen? And what can be done to counter the tendency? In *Poles Apart*, an expert on polarisation, a behavioural scientist and a professional communicator explain why we are so prone to be drawn into rival, often deeply antagonistic factions. They explore the shaping force of our genetic make-up on our fundamental views and the nature of the influences that family, friends and peers exert. They pinpoint the economic and political triggers that tip people from healthy disagreement to dangerous hostility, and the part played by social media in spreading entrenched opinions. And they help us to understand why outlooks that can seem so bizarre and extreme to us seem so eminently sensible to those who hold them. Above all, by meticulously showing how and why polarisation affects every part of our lives - influencing everything from our friendship circles to our approach to health issues - they show what practical and effective steps we can all take to narrow divisions, build respect for others, and create a greater degree of common understanding.

Scientific research on climate change has given rise to a variety of images picturing climate change. These range from colorful expert graphics, model visualizations, photographs of extreme weather events like floods, droughts or melting ice, symbols like polar bears, to animated and interactive visualizations. Climate change graphics have not only increased knowledge about the subject, they have begun to influence popular awareness of global weather events. The status of climate pictures today is particularly crucial, as global climate change as a long-term process cannot be seen. When images are widely distributed, they are able to shape how the world is thought about and seen. It is this implicit basic assumption of the power of images to influence reality that this book addresses: today's images might become the blueprint for tomorrow's realities. »Image Politics of Climate Change« combines a wide interdisciplinary range of perspectives and questions, treated here in sixteen interdisciplinary case studies. The author's specializations include both visual practice and theory: in the fields of climate sciences, computer graphics, art, curating, art history and visual studies, communication and cultural science, environmental and science & technology studies. The close interlinking of these viewpoints promotes in-depth insights into issues of production and analysis of climate visualization.

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.

*Poles Apart* covers a range of themes about the Arctic and Antarctic, including the geography, glaciology and glacial history, ecology, living resources, governance, and history of exploration. Topics are examined separately for each pole and each theme is summarized by a rapporteur who draws out the contrast and the similarities. This unique format allows the international experts to describe what they know best while addressing the central issues of the book.

Examines the expectations from the exploitation of krill and mineral resources of Antarctica and how they will affect review of the Antarctic Treaty by the fourteen member nations. Also examines the chances for this region to be preserved for peaceful use alone, as a common heritage of mankind.

An updated and accessible account of what science knows about climate change, incorporating the latest scientific findings and policy initiatives. Most of us are familiar with the term climate change but few of us understand the science behind it. We don't fully comprehend how climate change will affect us, and for that reason we might not consider it as pressing a concern as, say, housing prices or unemployment. This book explains the scientific knowledge about global climate change clearly and concisely in engaging, nontechnical language, describes how it will affect all of us, and suggests how government, business, and citizens can take action against it. This completely revised and updated edition incorporates the latest scientific research and policy initiatives on climate change. It describes recent major legislative actions, analyzes alternative regulatory tools including new uses of taxes and markets, offers increased coverage of China and other developing nations, discusses the role of social media in communicating about climate change, and provides updated assessments of the effects of climate change. The book first explains the basic scientific facts about climate change and its global impact. It discusses the nature of scientific consensus and the strong consensus of mainstream science on climate change. It then explores policy responses and corporate actions in the United States and the rest of the world, discusses how the communication of climate change information by journalists and others can be improved, and addresses issues of environmental justice—how climate change affects the most

vulnerable populations and regions. We can better tackle climate change, this book shows us, if we understand it.

In *Poles Apart*, Galen Rowell takes us on an exhilarating visual journey to the top and the bottom of the world, using the parallel visions of his camera to reveal the fascinating differences between these polar opposites.

Gareth Morgan couldn't decide whether he believed in climate change or not, so he hired the best international scientists to answer his questions and these are his findings. Combined with anecdotes from his own recent trips to Antarctica and the Arctic this is something completely unique in books about climate change - somebody who has approached the topic with an open mind, somebody who has the resources to explore such a topic and somebody who has personally investigated all of the issues. So what was his conclusion? Read the book to find out. In conjunction with excellent researcher and writer Dr John McCrystal, this is an accessible and fascinating exploration of one of the biggest topics of the 21st century. This book defines climate change, explains the science of taking the earth's temperature, looks at the respective cases of the alarmists and the sceptics, examines the anecdotal evidence and the politics of this dialogue, and then comes to a conclusion based on all this research.

*Communicating the Climate Crisis* lays out fresh directions and strategies for creating a new story of hope through action--not as isolated and "guilty" consumers, but as social actors who use emotional resilience, climate conversations, justice, and faith to break the current social inertia and create a desired future.

In a revolutionary revision of this best-selling text, David Balaam and Bradford Dillman show how the postwar world order is at once under threat and yet resilient. This classic text surveys the theories, institutions, and relationships that characterize IPE and highlights them in the context of a diverse range of regional and transnational issues. Introduction to International Political Economy positions students to critically evaluate the global economy and to appreciate the personal impact of political, economic, and social forces. New to the Seventh Edition Streamlined yet comprehensive coverage—reducing the text from 20 to 17 chapters. There is also one unified chapter on global finance and a single chapter on energy and the environment. A new chapter on Constructivism shows sociological and ideational forces at work. A new chapter on Global Production encompasses transnational corporations and labor. A new chapter on Global Health incorporates food and refugee issues. Substantial revisions to 10 chapters, including new material on Brexit, the EU debt and refugee crises, populist-nationalist movements, inequality, trade conflicts and negotiations, cyber weapons, the rise of China, Middle East conflicts, and international responses to climate change. Significant focus throughout on President Trump's impact on U.S. foreign policy, international order, and global security. Extensive new graphs and tables of data, plus 27 fascinating new text boxes throughout. An author-written Instructor's Manual and Test Bank are provided along with additional online resources.

*Facing Climate Change* explains why people refuse to accept evidence of a warming planet and shows how to move past partisanship to reach a consensus for action. A climate scientist and licensed Jungian analyst, Jeffrey T. Kiehl examines the psychological phenomena that twist our relationship to the natural world and their role in shaping the cultural beliefs that distance us further from nature. He also accounts for the emotions triggered by the lived experience of climate change and the feelings of fear and loss they inspire, which lead us to deny the reality of our warming planet. But it is not too late. By evaluating our way of being, Kiehl unleashes a potential human emotional understanding that can reform our behavior and help protect the Earth. Kiehl dives deep into the human brain's psychological structures and human spirituality's imaginative power, mining promising resources for creating a healthier connection to the environment—and one another. *Facing Climate Change* is as concerned with repairing our social and political fractures as it is with reestablishing our ties to the world, teaching us to push past partisanship and unite around the shared attributes that are key to our survival. Kiehl encourages policy makers and activists to appeal to our interdependence as a global society, extracting politics from the process and making decisions about our climate future that are substantial and sustaining.

Q. What's worth £2,000,000,000, answers to no-one and operates out of public sight? A. Britain's influence industry The corporate takeover of democracy is no conspiracy theory – it's happening, and it affects every aspect of our lives: the food we eat, the places we live, the temperature of our planet, how we spend our money and how our money is spent for us. And much more. *A Quiet Word* shows just how effectively the voice of public interest is being drowned out by the word in the ear from the professional persuaders of the lobbying industry. And if you've never heard about them, that's because the most effective lobbying goes unnoticed. *A Quiet Word* shines the brightest of lights into one of the darkest and least-understood corners of our political culture. It is essential, urgent, authoritative reading for anyone interested in our democracy and where this country is heading. And by showing how influence is constructed, it puts power back in your hands.

This book presents a new perspective on climate change for researchers and policy makers in environmental social sciences and humanities.

This book describes a fresh approach to climate change communication: five core principles for public engagement that can propel climate change discourse out of the margins and into the mainstream. The question of how to communicate about climate change, and build public engagement in high-consuming, carbon-intensive Western nations, has occupied researchers, practitioners, and campaigners for more than two decades. During this time, limited progress has been made. Socially and culturally, climate change remains the preserve of a committed but narrow band of activists. Public engagement is stuck in second gear. By spanning the full width of the space between primary academic research and campaign strategies, this book will be relevant for academics, educators, campaigners, communicators and practitioners.

This account of the origins, exploration, wildlife, plant life, scenery and ecology of the North and South Poles includes detailed descriptions of plants, insects, mammals and birds, as well as a history of exploration and of native peoples, and an examination of current threats to the environment.

From September 2007 to June 2008 the Space Studies Board conducted an international public seminar series, with each monthly talk highlighting a different topic in space and Earth science. The principal lectures from the series are compiled in *Forging the Future of Space Science*. The topics of these events covered the full spectrum of space and Earth science research, from global climate change, to the cosmic origins of life, to the exploration of the Moon and Mars, to the scientific research required to support human spaceflight. The prevailing messages throughout the seminar series as demonstrated by the lectures in this book are how much we have accomplished over the past 50 years, how profound are our discoveries, how much contributions from the space program affect our daily lives, and yet how much remains to be done. The age of discovery in space and Earth science is just beginning. Opportunities abound that will forever alter our destiny.

Drawing together key frameworks and disciplines that illuminate the importance of communication around climate change, this Research Handbook offers a vital knowledge base to address the urgency of conveying climate issues to a variety of audiences.

Climate change is one of society's great challenges. The scientific community agrees that human activity is to a large degree responsible for these changes and efforts to promote more sustainable behaviors and lifestyles often backfire. People travel for longer distances when driving a vehicle that uses a 'sustainable' energy source; they purchase 'organic' food as a means to be environmentally friendly without necessarily reducing other means of consumption; and those who deliberately change their behavior to be more environmentally friendly in one area often start behaving environmentally irresponsibly in another. Environmentally harmful behavior and decision making often have their roots in cognitive biases and cognitive inability to properly understand climate change issues, to understand the effects of one's own behavior on the environment, and other means by which thinking and reasoning about climate change issues are biased.

Written by a leading geographer of climate, this book offers a unique guide to students and general readers alike for making sense of this profound, far-reaching, and contested idea. It presents climate change as an idea with a past, a present, and a future. In ten carefully crafted chapters, Climate Change offers a synoptic and inter-disciplinary understanding of the idea of climate change from its varied historical and cultural origins; to its construction more recently through scientific endeavour; to the multiple ways in which political, social, and cultural movements in today's world seek to make sense of and act upon it; to the possible futures of climate, however it may be governed and imagined. The central claim of the book is that the full breadth and power of the idea of climate change can only be grasped from a vantage point that embraces the social sciences, humanities, and natural sciences. This vantage point is what the book offers, written from the perspective of a geographer whose career work on climate change has drawn across the full range of academic disciplines. The book highlights the work of leading geographers in relation to climate change; examples, illustrations, and case study boxes are drawn from different cultures around the world, and questions are posed for use in class discussions. The book is written as a student text, suitable for disciplinary and inter-disciplinary undergraduate and graduate courses that embrace climate change from within social science and humanities disciplines. Science students studying climate change on inter-disciplinary programmes will also benefit from reading it, as too will the general reader looking for a fresh and distinctive account of climate change.

Climate change is the most serious crisis of our time. As history is being written in fire in California and Greece, in the warming waters of the Gulf of Mexico, and in the melting ice of the Arctic and Antarctica, Carbon Blues demystifies current debates on climate change, discussing everything from carbon dioxide increases in the atmosphere caused by cars, coal, and oil to global warming and worsening natural disasters. A detailed examination of the history of climate change and its present and future consequences, Carbon Blues traces the essential economic importance of coal in the nineteenth century and oil in the twentieth, emphasizing the role of the automobile and the internal combustion engine in the dereliction of our planet. Exposing campaigns to mislead the public, Mike Mason reveals that the fatal consequences of CO<sub>2</sub> and NO<sub>2</sub> have been widely known for decades but successfully discounted and manipulated by the carbon lobby led by Exxon, BP, figures such as the Koch brothers, and democratically elected governments. The book underlines the disturbing truth: that despite current attempts to remediate climate change, the harm already done - melting polar ice and the warming and rising of the seas - will be virtually irreversible. As the fight against climate change comes to a head, Carbon Blues searches for fruitful ways forward.

In a period of profound environmental and social upheaval, climate change has become one of our greatest challenges. Yet for many of us, fear, confusion and frustration mean we are reluctant to consider, let alone act on this pressing issue. Rational engagement with science is vital to forming solutions to this challenge. But a cultural shift is also needed. Artists have the capacity to develop a narrative that recognises the reality of our present and inspires a vibrant, positive vision of our future. Presenting the work of Australian and international artists across twenty-nine exhibitions and events, ART+CLIMATE=CHANGE explores the power of art to create the empathy, emotional engagement and cultural understanding needed to motivate meaningful change.

Meera It all started with a kiss, a ferocious kiss that was meant to showcase the upper hand on him but that one kiss changed everything. And just like that I was in love with him. I thought I knew all of him but he proved me wrong. I despise him for his lies and betrayal and for what I had to endure because of him. But I hate myself more for still caring for him, still loving him. Carlino I myself was not proud of what my reality was. I really despise and envied myself for everything I did except for one thing and I would never like to change that. Because of that one particular incident, I was able to cherish the wonderful feeling of falling in love with the most amazing girl I ever met. I don't blame her for hating me when she found out my facade and now she was gone. But I'll get her back at any cost and never to lose her.

The volume provides a timely, state of the art collection of studies examining climate change communication in the era of digital media. The chapters focus on a broad range of topics covering various aspects of both practice and research in climate change communication, ranging from the use of online platforms, to blogs, and social networking sites. Climate change communication has increasingly moved into Internet-based forums, and this volume provides a comprehensive overview of research into Internet and climate change communication. The studies share valuable methodological insights in this relatively new field of research and shed light on the opportunities and challenges underlying the collection and analysis of online climate change-related data. This book was previously published as a special issue of Environmental Communication.

The warming of the Earth has been the subject of intense debate and concern for many scientists, policy-makers, and citizens for at least the past decade. Climate Change Science: An Analysis of Some Key Questions, a new report by a committee of the National Research Council, characterizes the global warming trend over the last 100 years, and examines what may be in store for the 21st century and the extent to which warming may be attributable to human activity.

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