

Making Modern World Materials Dematerialization

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The Open Brethren: A Christian Sect in the Modern World Materials and the Designer
Archaeological Artefacts as Material Culture Locating the Global Cultural Studies in Question
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Connectography Carbon Capture and Storage Health and Medical Geography, Fourth Edition
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our summary is short simple and pragmatic it allows you to have the essential ideas of a big book in less than 30 minutes as you read this summary you will learn that the increased consumption of materials is the major feature of the modern world you will also learn that the invention of the steam engine revolutionized mankind a long term dematerialization without radical changes in lifestyle is very unlikely humanity's material progress is experiencing two successive ages energy is the most important of all materials our civilization is at a crossroads in terms of our consumption of materials the current level of material consumption is very recent if we place it in the long historical period the consumption of materials is at the heart of economic production without which it could not exist materials of all kinds be they mineral vegetable etc condition our daily life modern life that of industrialized countries whose societies are consumer societies their production use and destruction once they have become waste are the subject of this book which examines the costs of our society's dependence on materials as well as the possible paths to a progressive dematerialization which the threatened integrity of the biosphere makes indispensable buy now the summary of this book for the modest price of a cup of coffee

the new york times book review editors choice an economist best book of the year finalist for the financial times and schroders business book of the year award sand salt iron copper oil and lithium these fundamental materials have created empires razed civilizations and fed our ingenuity and our greed for thousands of years without them our modern world would not exist and the battle to control them will determine our future the fiber optic cables that weave the world wide the copper veins of our electric grid the silicon chips and lithium batteries that power our phones and cars though it can feel like we now

live in a weightless world of information what ed conway calls the ethereal world our twenty first century lives are still very much rooted in the material in fact we dug more stuff out of the earth in 2017 than in all of human history before 1950 for every ton of fossil fuels we extract six tons of other materials from sand to stone to wood to metal and in material world conway embarks on an epic journey across continents cultures and epochs to reveal the underpinnings of modern life on earth traveling from the sweltering depths of the deepest mine in europe to spotless silicon chip factories in taiwan to the eerie green pools where lithium originates material world is a celebration of the humans and the human networks the miraculous processes and the little known companies that combine to turn raw materials into things of wonder this is the story of human civilization from an entirely new perspective the ground up

this handbook is the first comprehensive survey of a rapidly expanding sub field in archaeology the study of the present and recent past it seeks to explore the boundaries of this emerging area to develop a tool kit of concepts and methods which are applicable to this new sub field and to suggest important future trajectories for research

the scandinavian early modern world explores the early modern colonialism globalization and modernity in scandinavia along with its colonies and its role in the shaping of the modern world scandinavians played an active role in early modern globalization and were present as traders as colonialists and as consumers in competition and collaboration with indigenous agents and other colonial actors in america africa and india this story is rarely told the joint study of history historical landscape and material culture from a scandinavian vantage point provides for a comprehensive and original interpretation of the birth of globalization and modernity new perspectives and data are presented deepening and challenging our knowledge of the long seventeenth century in depth analysis of case studies encompassing four continents and their material entanglement makes this book a unique contribution to historical archaeology the scandinavian early modern world aims at students and scholars of anthropology archaeology and history alike taking interest in the global connections of the long seventeenth century and the role of scandinavia in that process

key concepts in mineralogy and petrology are explained alongside beautiful full color illustrations in this concisely written textbook

this book gives a personal insight into the hearts and minds of a fundamentalist christian sect the open brethren using brethren magazine articles obituaries and testimonies peter herriot argues that the brethren constitute a perfect example of a fundamentalism their culture is entirely opposed to the beliefs values and norms of modernity as a result like other fundamentalisms they challenge modern christianity and impede its efforts to engage with global society

an invaluable reference for product designers to use in choosing the optimum material for an engineering design is provided through this comprehensive introduction to the methods of selection methodology

this book is an introduction to the study of artefacts setting them in a social context rather than using a purely scientific approach drawing on a range of different cultures and extensively illustrated archaeological artefacts and material culture covers everything from recovery strategies and recording procedures to interpretation through typology ethnography and experiment and every type of material including wood fibers bones hides and adhesives stone clay and metals with over seventy illustrations with almost fifty in full colour this book not only provides the tools an archaeologist will need to interpret past societies from their artefacts but also a keen appreciation of the beauty and tactility involved in working with these fascinating objects this is a book no archaeologist should be without but it will also appeal to anybody interested in the interaction between people and objects

this volume adds to the plurality of global histories by locating the global through its articulation and manifestation within particular localities it accomplishes this by bringing together interlinked case studies that analyse various temporal and spatial dimensions of the global in the local and the interactions between the local and the global the case studies apply a spatial approach to analyse how global questions of space movement

networks borders and territory are worked out at a local level the material draws on the nordic countries europe the atlantic world africa and australia and ranges from the seventeenth to the twentieth century it is further divided into sections that address topics such as the translocality of humans and goods local articulations of identities and globalities parliamentarism and anti colonialism the organization of knowledge and the construction of spaces of representation and memory

this major text offers a critical reappraisal of the contemporary practice of cultural studies it focuses in particular on the contribution of cultural studies to the understanding of media communications and popular cultures in contemporary societies the contributors an outstanding group of internationally acclaimed scholars examine topics such as the different strands of cultural studies and how they are developed whether cultural studies is a coherent discipline tensions and debates within cultural studies alternative or related approaches to contemporary media and society and the movement by cultural studies revisionists towards more empirical and sociological modes of analysis

in a world permeated by invisible forces radiation revealed takes you on an enlightening journey into the realm of ionizing radiation detection and measurement discover the captivating science and technology behind our ability to perceive and quantify this enigmatic energy from the natural radioactivity of the earth to the life saving applications of radiation in medicine and industry this book provides a comprehensive exploration of the fundamental principles cutting edge technologies and practical applications of radiation detection delve into the fascinating world of radiation uncovering its origins properties and interactions with matter with engaging explanations and insightful perspectives radiation revealed empowers you to understand the principles of radiation spectroscopy the art of decoding the unique signatures of different types of radiation explore the diverse applications of radiation detection in fields as varied as medicine industry environmental monitoring and space exploration learn how radiation is used to diagnose and treat diseases safeguard workers from occupational hazards protect the environment from contamination and unravel the mysteries of the cosmos radiation revealed also delves into the crucial topic of radiation protection providing invaluable guidance on how to shield ourselves from the harmful effects of radiation explore the principles of radiation shielding the regulatory framework for radiation safety and emergency response protocols for radiation incidents understand the biological effects of radiation and the importance of dosimetry in assessing radiation exposure throughout this comprehensive guide you ll gain a deep understanding of the science and technology behind radiation detection and measurement with clear explanations engaging anecdotes and insightful perspectives radiation revealed empowers you to navigate the complex world of radiation with confidence and knowledge discover the hidden world of radiation its profound impact on our lives and the remarkable ways in which we can harness its power for the betterment of humanity radiation revealed is an essential resource for scientists engineers medical professionals students and anyone seeking to understand the fascinating world of radiation detection and measurement if you like this book write a review

which lines on the map matter most it s time to reimagine how life is organized on earth in connectography parag khanna guides us through the emerging global network civilization in which mega cities compete over connectivity and borders are increasingly irrelevant travelling across the world khanna shows how twenty first century conflict is a tug of war over pipelines and internet cables advanced technologies and market access yet connectography also offers a hopeful vision of the future beneath the chaos of a world that appears to be falling apart a new foundation of connectivity is pulling it together

carbon capture and storage ccs and negative emissions technologies will play an essential role in mitigating the impact of global warming and meeting the temperature targets set by the ipcc and by cop21 identifying the role and value of ccs relative to other mitigation technologies is of vital importance this book provides a comprehensive up to date overview of the major sources of carbon dioxide emission capture and storage as well as negative emissions technologies and provides insight into the role and value of ccs in the industrial and power sectors the issues associated with commercial deployment of ccs are discussed providing potential approaches to overcome these hurdles through a combination of political economic and r d strategies carbon capture and storage provides the latest

global perspective on the role and value of ccs in delivering temperature targets and reducing the impact of global warming with contributions from internationally recognised leaders this book will appeal to graduate students and researchers in academia and industry working in chemical engineering mechanical engineering and energy policy

why are rainfall carcinogens and primary care physicians distributed unevenly over space the fourth edition of the leading text in the field has been updated and reorganized to cover the latest developments in disease ecology and health promotion across the globe the book accessibly introduces the core questions and perspectives of health and medical geography and presents cutting edge techniques of mapping and spatial analysis it explores the intersecting genetic ecological behavioral cultural and socioeconomic processes that underlie patterns of health and disease in particular places including how new diseases and epidemics emerge geographic dimensions of health care access and service provision are addressed more than 100 figures include 16 color plates most are available as powerpoint slides at the companion website new to this edition chapters on the political ecology of health emerging infectious diseases and landscape genetics food diet and nutrition and urban health coverage of middle east respiratory syndrome ebola and zika impacts on health of global climate change contaminated water crises in economically developed countries including in flint michigan china s rapid industrial growth and other timely topics updated throughout with current data and concepts plus advances in gis pedagogical features end of chapter review questions and suggestions for further reading section introductions that describe each chapter quick reviews within chapter recaps of key concepts bold faced key terms and an end of book glossary

no detailed description available for unrivaled

energy in agroecosystems a tool for assessing sustainability is the first book on energy analysis that is up to date and specifically dedicated to agriculture it is written from an agroecological perspective and goes beyond the conventional analysis of the efficient use of energy the book provide a methodological guide to assess energy efficiency and sustainability from an eco energetic point of view case studies from both europe and america which are representative of today s most used scales of analysis crop farm local or national and the different farm management practices traditional industrialized and contemporary organic apply this methodology this book will be of primary interest to researchers practitioners and students working in the areas of agroecology sustainable agriculture environmental science energy analysis natural resources management rural development and international development

this book tackles the terms under which a knowledge based society can indefinitely improve while pursuing an eco economic steady state in doing so it addresses the literature gap on continued social improvement within a post growth economic and cultural paradigm carrillo consolidates research on the degrowth paradigm and proposes a conceptual framework for continued social improvement based on the integration of tangible and intangible collective values he proposes a method that accounts for effective social value through capital systems valuation and development and includes this operational metric system as an alternative to the metric of gross national product gnp the book critically examines the challenges of identifying a complete and consistent representation of total social value the book also includes a series of knowledge based development programmes in cities and regions around the world and discusses policies and practices for urban mitigation and adaptation to the anthropocene this transdisciplinary book will be of particular interest to researchers of degrowth economics sustainable development and urban planning

by 2025 china will have built fifteen new supercities each with 25 million inhabitants it will have created 250 eco cities as well clean green car free people friendly high tech urban centres from the edge of an impending eco catastrophe we are arguably witnessing history s greatest environmental turnaround an urban experiment that may provide valuable lessons for cities worldwide whether or not we choose to believe the hype there is little doubt that this is an experiment that needs unpicking understanding and learning from austin williams the architectural review s china correspondent explores the progress and perils of china s vast eco city program describing the complexities which emerge in the race to balance the environment with industrialisation quality with quantity and the liberty

of the individual with the authority of the chinese state lifting the lid on the economic and social realities of the chinese blueprint for eco modernisation williams tells the story of china s rise and reveals the pragmatic political and economic motives that lurk behind the successes and failures of its eco cities will these new kinds of urban developments be good humane healthy places can china find a third way in which humanity nature economic growth and sustainability are reconciled and what lessons can we learn for our own vision of the urban future this is a timely and readable account which explores a range of themes environmental political cultural and architectural to show how the eco city program sheds fascinating light on contemporary chinese society and provides a lens through which to view the politics of sustainability closer to home

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