

Read Book The Ascendancy Of The Scientific Dictatorship An Examination Of Epistemic Autocracy From The 19th To The 21st Century

# **The Ascendancy Of The Scientific Dictatorship An Examination Of Epistemic Autocracy From The 19th To The 21st Century**

Machines as the Measure of Men Anthropology at War The Rise of Science in Islam and the West Geographies of Nineteenth-Century Science Civilization Power Quest, Book Two Science and Medicine in France Intellectual Curiosity and the Scientific Revolution The Death of Nature Political Biology Strengthening Forensic Science in the United States Histories of Scientific Observation Absence of Mind Essays on Science and Theology Nineteenth-Century Opera and the Scientific Imagination Contested Futures Conversations on Science, Culture, and Time Fugitive Science The Ascendancy of the Scientific Dictatorship The Ascendancy Religion and Scientific Method The Book That Changed America Human Forms Revelation The Scientific Monthly PRACTICAL MATTER NEWTONS SCIENCE P Scientific Establishments and Hierarchies The Anatomy of Blackness Google and the Culture of Search A Companion to the History of Science Science as a Process The Republican War on Science Science in the Spanish and Portuguese Empires, 1500-1800 The Contamination of the Earth Science and the

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Myth of Progress Nuclear Forces Science and Sociology Labour in the Laboratory Essays on Science and Theology arranged and revised by the Rev. E. Henderson The Ascendancy of Finance

## **Machines as the Measure of Men**

Includes bibliographical references and index.

## **Anthropology at War**

In the wake of the fall / Frithjof Schuon -- Sacred and profane science / René Guénon -- Traditional cosmology and the modern world / Titus Burckhardt -- Religion and science / Lord Northbourne -- Contemporary man, between the rim and the axis / Seyyed Hossein Nasr -- Christianity and the religious thought of C.G. Jung / Philip Sherrard - - On earth as it is in heaven / James S. Cutsinger -- The nature and extent of criticism of evolutionary theory / Osman Bakar -- Knowledge and knowledge / D.M. Matheson -- Knowledge and its counterfeits / Gai Eaton -- Ignorance / Wendell Berry -- The plague of scientistic belief / Wolfgang Smith -- Scientism: the bedrock of the modern worldview / Huston Smith -- Life as non-historical reality / Giuseppe Sermonti -- Man, creation and the fossil record / Michael

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Robert Negus -- The act of creation: bridging transcendence and immanence / William A. Dembski.

## **The Rise of Science in Islam and the West**

In this ambitious book, acclaimed writer Marilynne Robinson applies her astute intellect to some of the most vexing topics in the history of human thought—science, religion, and consciousness. Crafted with the same care and insight as her award-winning novels, *Absence of Mind* challenges postmodern atheists who crusade against religion under the banner of science. In Robinson's view, scientific reasoning does not denote a sense of logical infallibility, as thinkers like Richard Dawkins might suggest. Instead, in its purest form, science represents a search for answers. It engages the problem of knowledge, an aspect of the mystery of consciousness, rather than providing a simple and final model of reality. By defending the importance of individual reflection, Robinson celebrates the power and variety of human consciousness in the tradition of William James. She explores the nature of subjectivity and considers the culture in which Sigmund Freud was situated and its influence on his model of self and civilization. Through keen interpretations of language, emotion, science, and poetry,

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Absence of Mind restores human consciousness to its central place in the religion-science debate.

## **Geographies of Nineteenth-Century Science**

"Once the source of circumscribed local nuisances, the effects of human activities on the environment have turned into global pollution. The climate is warming, the seas are acidifying, the species are disappearing, the bodies are altered: to give an account from a historical point of view makes it possible not to sink in the stupefaction or the discouragement vis-a-vis a process which seems to have become inevitable. Because the great movement of contamination of the world that opens with industrialization is above all a social and political fact, marked by successive cycles, power relations, inertia, cultural transformations. By embracing the history of pollution over three hundred years, on a global scale, François Jarrige and Thomas Le Roux explore conflicts and the organization of powers in the industrial age, but also the dynamics that have shaped capitalist modernity and his imaginary progress"--

## **Civilization**

I With the immense success of modern science

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it has generally become accepted that the only way to acquire knowledge is by the use of the method uniformly practiced by working scientists. Consequently, the credibility of the claims of religion, which seem to be based on belief in revelation, tradition, authority and the like, have been considerably shaken. In the face of the serious threat provided by the ascendancy of modern scientific methodology, religious thinkers have adopted various defensive attitudes. Some have retreated into an extreme position where Theism is completely safe from any attack on it by the use of empirical methods of inquiry, maintaining that contrary to appearances, religion makes no factual claims whatsoever. To be religious, they say, is to subscribe to a certain value system; it is to adopt a set of practices and a given attitude to the meaning and purpose of life without making any assertions about this or that empirical feature of the universe. Others wishing to remain more faithful to what religion traditionally meant throughout the ages, agree that Theism does make factual claims but that these are so radically different from the kind of claims made by science that it is only right that they should be established by a separate method on its own. In matters of faith reliance on widely entrenched tradition and sacred authority is not objectionable according to some.

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**Power Quest, Book Two**

Honorable Mention, 2019 MLA Prize for a First Book Sole Finalist Mention for the 2018 Lora Romero First Book Prize, presented by the American Studies Association Exposes the influential work of a group of black artists to confront and refute scientific racism. Traversing the archives of early African American literature, performance, and visual culture, Britt Rusert uncovers the dynamic experiments of a group of black writers, artists, and performers. Fugitive Science chronicles a little-known story about race and science in America. While the history of scientific racism in the nineteenth century has been well-documented, there was also a counter-movement of African Americans who worked to refute its claims. Far from rejecting science, these figures were careful readers of antebellum science who linked diverse fields—from astronomy to physiology—to both on-the-ground activism and more speculative forms of knowledge creation. Routinely excluded from institutions of scientific learning and training, they transformed cultural spaces like the page, the stage, the parlor, and even the pulpit into laboratories of knowledge and experimentation. From the recovery of neglected figures like Robert Benjamin Lewis, Hosea Easton, and Sarah Mapps Douglass, to new accounts of Martin Delany, Henry Box

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Brown, and Frederick Douglass, Fugitive Science makes natural science central to how we understand the origins and development of African American literature and culture. This distinct and pioneering book will spark interest from anyone wishing to learn more on race and society.

## **Science and Medicine in France**

This volume examines the Enlightenment-era textualization of the Black African in European thought. Andrew S. Curran rewrites the history of blackness by replicating the practices of eighteenth-century readers. Surveying French and European travelogues, natural histories, works of anatomy, pro- and anti-slavery tracts, philosophical treatises, and literary texts, Curran shows how naturalists and philosophes drew from travel literature to discuss the perceived problem of human blackness within the nascent human sciences. He also describes how a number of now-forgotten anatomists revolutionized the era's understanding of black Africans and charts the shift of the slavery debate from the moral, mercantile, and theological realms toward that of the "black body" itself. In tracing this evolution, he shows how blackness changed from a mere descriptor in earlier periods into a thing to be measured, dissected, handled, and often brutalized. "A definitive statement on the complex, painful,

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and richly revealing topic of how the major figures of the French Enlightenment reacted to the enslavement of black Africans, often to their discredit. The fields of race studies and of Enlightenment studies are more than ready to embrace the type of analysis in which Curran engages, and all the more so in that his book is beautifully written and illustrated."— Symposium "This is an important contribution to an important topic. But it is also a model of how intellectual history should be done."— New Books in History "The breadth of Andrew Curran's knowledge about the Enlightenment is astonishing The book makes the convincing point not only that Africa is a major focus in the Enlightenment's imagination, but also that natural history and anthropology are central to understanding not only its scientific agenda, but also its humanitarian politics."— Centaurus "Curran's Francotropism and medical background enable him to develop insights that should prove important to the ongoing transnationalization and discipline-blurring of literary and cultural studies."— Interdisciplinary Studies in Literature and Environment "Curran's ability to dissect and explain complicated arguments of the period's major thinkers is impressive."— Choice

## **Intellectual Curiosity and the Scientific Revolution**

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A. In the past, the elite manipulated the population through a more mystical belief system. In particular, there was the institution of Sun worship (typified by deities such as Osiris and Set). However, as antiquity gave way to modern history, this system of control began to lose its effectiveness. During the sixteenth century, the ruling class managed to co-opt a relatively new methodology of truth discernmentscience. Over the years, they would contaminate this institution with their own virulent strains of thoughtmetaphysical naturalism, radical empiricism, Malthusianism, Darwinism, behaviorism, radical environmentalism, etc. Many of these paradigms were derivative of their own occult doctrines, thinly veiled to appear as objective science. All of these concepts correlate in some way and, at some point, coalesce. Together, they are gradually paving the way for the re-introduction of the hidden god of the Ancient Mysteries.

## **The Death of Nature**

### **Political Biology**

In Geographies of Nineteenth-Century Science, David N. Livingstone and Charles W. J. Withers gather essays that deftly navigate the spaces of science in this significant

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period and reveal how each is embedded in wider systems of meaning, authority, and identity. Chapters from a distinguished range of contributors explore the places of creation, the paths of knowledge transmission and reception, and the import of exchange networks at various scales. Studies range from the inspection of the places of London science, which show how different scientific sites operated different moral and epistemic economies, to the scrutiny of the ways in which the museum space of the Smithsonian Institution and the expansive space of the American West produced science and framed geographical understanding. This volume makes clear that the science of this era varied in its constitution and reputation in relation to place and personnel, in its nature by virtue of its different epistemic practices, in its audiences, and in the ways in which it was put to work.

## **Strengthening Forensic Science in the United States**

Science and Sociology is from beginning to end an exploration of what this implies for the social sciences, and sociology in particular. The authors argue that over the last several decades, sociology has become less a science and more a quest for isolated assessments of situations, whether they come from demographic analyses, survey research,

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or ethnographic studies. Above all else, this book is an attempt to promote and advance scientific sociology, and we write at length specifying the how and why of this objective. With this objective in mind, the question becomes: What would a scientific sociology look like?

## **Histories of Scientific Observation**

The global financial crisis of 2008 ushered in a system of informal decision-making in the grey zone between economics and politics. Legitimized by a rhetoric of emergency, ad hoc bodies have usurped democratically elected governments. In line with the neoliberal credo, the recent crisis has been used to realize the politically impossible and to re-align executive power with the interests of the finance industry. In this important book, Joseph Vogl offers a much longer perspective on these developments, showing how the dynamics of modern finance capitalism have always rested on a complex and constantly evolving relationship between private creditors and the state. Combining historical and theoretical analysis, Vogl argues that over the last three centuries, finance has become a "fourth estate," marked by the systematic interconnection of treasury and finance, of political and private economic interests. Against this historical background, Vogl explores the latest phase in

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the financialization of government, namely the dramatic transfer of power from states to markets in the latter half of the 20th century. From the liberalization of credit and capital markets to the privatization of social security, he shows how policy has actively enabled a restructuring of the economy around the financial sector. Political systems are "imprisoned" by the regime of finance, while the corporate model suffuses society, enclosing populations in the production of financial capital. The Ascendancy of Finance provides valuable and unsettling insight into the genesis of modern power and where it truly resides.

## **Absence of Mind**

Labour in the Laboratory is also about the ways in which health care work has been organized. Twohig reveals that many health care workers fulfilled multiple roles, challenging traditional ideas of professional boundaries and exclusive control over particular tasks. Using evidence from the Maritime provinces, he challenges assumptions about health care work and hospital development throughout Canada and beyond.

## **Essays on Science and Theology**

In a unique volume, Contested Futures brings together a group of scholars to examine the

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relationships between social action and the future. Rather than speculating upon what the future might bring, the volume interrogates the metaphors and practices through which the future is mobilized as an object of present day action and agency. The book shifts the analytical gaze from looking into the future to looking at the future as a sociological phenomenon in its own right. Futures are thus contested in as much as they register differences of interest, time frame or organizational and political form. Contestation is also evident in the ascendancy of certain discourses, languages and metaphors which foreclose some futures whilst facilitating others. But futures are far from being simply linguistic abstractions, and in fact can often be seen to harden into material entrenchment as expectations become scripted into 'path dependency' and 'lock in'. Contested Futures is an invaluable analysis for both academics and policy actors seeking a better understanding of the ubiquity of futures-discourse in the context of today's uncertainties.

## **Nineteenth-Century Opera and the Scientific Imagination**

Explores the rich and varied interactions between nineteenth-century science and the world of opera for the first time.

# Read Book The Ascendancy Of The Scientific Dictatorship An Examination Of Epistemic Autocracy From The 19th To The 21st Century Contested Futures

This new edition of what has become a standard account of Western expansion and technological dominance includes a new preface by the author that discusses how subsequent developments in gender and race studies, as well as global technology and politics, enter into conversation with his original arguments.

## Conversations on Science, Culture, and Time

This is a study of science in Muslim society from its rise in the 8th century to the efforts of 19th-century Muslim thinkers and reformers to regain the lost ethos that had given birth to the rich scientific heritage of earlier Muslim civilization. The volume is organized in four parts; the rise of science in Muslim society in its historical setting of political and intellectual expansion; the Muslim creative achievement and original discoveries; proponents and opponents of science in a religiously oriented society; and finally the complex factors that account for the end of the 500-year Muslim renaissance. The book brings together and treats in depth, using primary and secondary sources in Arabic, Turkish and European languages, subjects that are lightly and uncritically brushed over in non-specialized

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literature, such as the question of what can be considered to be purely original scientific advancement in Muslim civilization over and above what was inherited from the Greco-Syriac and Indian traditions; what was the place of science in a religious society; and the question of the curious demise of the Muslim scientific renaissance after centuries of creativity. The book also interprets the history of the rise, achievement and decline of scientific study in light of the religious temper and of the political and socio-economic vicissitudes across Islamdom for over a millennium and integrates the Muslim legacy with the history of Latin/European accomplishments. It sets the stage for the next momentous transmission of science: from the West back to the Arabic-speaking world of Islam, from the last half of the 19th century to the early 21st century, the subject of a second volume.

## **Fugitive Science**

In this compelling sequel to *Power Quest Book One: America's Obsession with the Paranormal*, S. Douglas Woodward reveals the hidden history of Nazi infestation of American institutions after World War II. Beginning with the 1952 flying saucer flap over the nations capital and concluding with the CIA's clandestine mind control agenda of the 1950s-1970s, the reader is confronted with

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highly charged and seldom known facts. The story centers on America's erstwhile alliance with German fascism linked to the infamous personalities of Hitler's Nazi Party who escaped the war crimes trials at Nuremberg. In this second volume of Power Quest, The Ascendancy of Antichrist in America, Woodward brings to the reader the recently declassified proof our America has often shunned its most noble ideals. The author uncovers a vast record of unethical and deceptive Federal activities committed in Washington's darkened corridors of political power. Woodward condenses mountains of highly reliable research compiled by authoritative investigative journalists and insiders along with his own well-turned analysis, demonstrating that the political and spiritual evil of Nazism was often excused and encouraged by American officials as part of a blind quest to fight communism during the Cold War. Woodward makes no secret of his evangelical perspective. But Power Quest: The Ascendancy of Antichrist in America is not a selective proof texting of biblical assertions or a diatribe against liberal political views. His account is a factual history that most Americans have never heard. For conservative Christian readers, Woodward speaks prophetically - challenging the cherished assumption held by political conservatives that America traditionally takes the moral high ground. And he poses an alternative view to the typical

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eschatological position, asking "Could America be the seat of power for a literal personage the Bible calls Antichrist?"

## **The Ascendancy of the Scientific Dictatorship**

### **The Ascendancy**

A compelling portrait of a unique moment in American history when the ideas of Charles Darwin reshaped American notions about nature, religion, science and race "A lively and informative history." - The New York Times Book Review Throughout its history America has been torn in two by debates over ideals and beliefs. Randall Fuller takes us back to one of those turning points, in 1860, with the story of the influence of Charles Darwin's just-published *On the Origin of Species* on five American intellectuals, including Bronson Alcott, Henry David Thoreau, the child welfare reformer Charles Loring Brace, and the abolitionist Franklin Sanborn. Each of these figures seized on the book's assertion of a common ancestry for all creatures as a powerful argument against slavery, one that helped provide scientific credibility to the cause of abolition. Darwin's depiction of constant struggle and endless competition described America on the brink of civil war. But some had difficulty

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aligning the new theory to their religious convictions and their faith in a higher power. Thoreau, perhaps the most profoundly affected all, absorbed Darwin's views into his mysterious final work on species migration and the interconnectedness of all living things. Creating a rich tableau of nineteenth-century American intellectual culture, as well as providing a fascinating biography of perhaps the single most important idea of that time, *The Book That Changed America* is also an account of issues and concerns still with us today, including racism and the enduring conflict between science and religion.

## **Religion and Scientific Method**

Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. *Strengthening Forensic Science in the United States: A Path Forward* provides a detailed plan for addressing these needs and suggests the creation of a new government

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entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

## **The Book That Changed America**

This collection of essays is the first book published in English to provide a thorough survey of the practices of science in the Spanish and Portuguese empires from 1500 to 1800. Authored by an interdisciplinary team of specialists from the United States, Latin America, and Europe, the book consists of fifteen original essays, as well as an

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introduction and an afterword by renowned scholars in the field. The topics discussed include navigation, exploration, cartography, natural sciences, technology, and medicine. This volume is aimed at both specialists and non-specialists, and is designed to be useful for teaching. It will be a major resource for anyone interested in colonial Latin America.

## **Human Forms**

What drove Nobel-winning physicist Hans Bethe, head of Theoretical Physics at Los Alamos during the Manhattan Project, to later renounce the weaponry he had worked so tirelessly to create? That is one of the questions answered by *Nuclear Forces*, a riveting biography of Bethe's early life and development as both a scientist and a man of principle.

## **Revelation**

Between 1914 and 1918, German anthropologists conducted their work in the midst of full-scale war. The discipline was relatively new in German academia when World War I broke out, and, as Andrew D. Evans reveals in this illuminating book, its development was profoundly altered by the conflict. As the war shaped the institutional, ideological, and physical environment for anthropological work, the discipline turned its back on its

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liberal roots and became a nationalist endeavor primarily concerned with scientific studies of race. Combining intellectual and cultural history with the history of science, Anthropology at War examines both the origins and consequences of this shift. Evans locates its roots in the decision to allow scientists access to prisoner-of-war camps, which prompted them to focus their research on racial studies of the captives. Caught up in wartime nationalism, a new generation of anthropologists began to portray the country's political enemies as racially different. After the war ended, the importance placed on racial conceptions and categories persisted, paving the way for the politicization of scientific inquiry in the years of the ascendancy of National Socialism.

## **The Scientific Monthly**

When a beanstalk starts growing out of the rubble of the World Trade Center, chaos erupts in New York City. Jack Tott, a twenty-six-year-old musician, believes that if he climbs the beanstalk, he will somehow find the means to help save his dying sister. Caitlin Bingham, an archaeoastronomer, suspects that the beanstalk is related to the mysterious disappearance of Pachakutec, a planet she recently discovered. But the lands and inhabitants in the world above the

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beanstalk are beyond anything Jack or Caitlin could have imagined. A strange cave, a huge thorn maze, a dapper five-foot-tall mosquito, a paranoid bird who is the last of his species, and an ancient Incan civilization are just part of the adventure that awaits Jack and Caitlin. With a lightning-quick pace and basis in real events of the twenty-first century, *The Ascendancy* offers hope and a new mythology for the world at this volatile point in our history.

## **PRACTICAL MATTER NEWTONS SCIENCE P**

### **Scientific Establishments and Hierarchies**

Science has never been more crucial to deciding the political issues facing the country. Yet science and scientists have less influence with the federal government than at any time since Richard Nixon fired his science advisors. In the White House and Congress today, findings are reported in a politicized manner; spun or distorted to fit the speaker's agenda; or, when they're too inconvenient, ignored entirely. On a broad array of issues—stem cell research, climate change, evolution, sex education, product safety, environmental regulation, and many others—the Bush administration's positions fly in the face of overwhelming scientific

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consensus. Federal science agencies—once fiercely independent under both Republican and Democratic presidents—are increasingly staffed by political appointees who know industry lobbyists and evangelical activists far better than they know the science. This is not unique to the Bush administration, but it is largely a Republican phenomenon, born of a conservative dislike of environmental, health, and safety regulation, and at the extremes, of evolution and legalized abortion. In *The Republican War on Science*, Chris Mooney ties together the disparate strands of the attack on science into a compelling and frightening account of our government's increasing unwillingness to distinguish between legitimate research and ideologically driven pseudoscience.

## **The Anatomy of Blackness**

A major rethinking of the European novel and its relationship to early evolutionary science The 120 years between Henry Fielding's *Tom Jones* (1749) and George Eliot's *Middlemarch* (1871) marked both the rise of the novel and the shift from the presumption of a stable, universal human nature to one that changes over time. In *Human Forms*, Ian Duncan reorients our understanding of the novel's formation during its cultural ascendancy, arguing that fiction produced new knowledge in a period

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characterized by the interplay between literary and scientific discourses—even as the two were separating into distinct domains. Duncan focuses on several crisis points: the contentious formation of a natural history of the human species in the late Enlightenment; the emergence of new genres such as the Romantic bildungsroman; historical novels by Walter Scott and Victor Hugo that confronted the dissolution of the idea of a fixed human nature; Charles Dickens's transformist aesthetic and its challenge to Victorian realism; and George Eliot's reckoning with the nineteenth-century revolutions in the human and natural sciences. Modeling the modern scientific conception of a developmental human nature, the novel became a major experimental instrument for managing the new set of divisions—between nature and history, individual and species, human and biological life—that replaced the ancient schism between animal body and immortal soul. The first book to explore the interaction of European fiction with "the natural history of man" from the late Enlightenment through the mid-Victorian era, *Human Forms* sets a new standard for work on natural history and the novel.

## **Google and the Culture of Search**

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**A Companion to the History of Science**

Seventeenth-century Europe witnessed an extraordinary flowering of discoveries and innovations. This study, beginning with the Dutch-invented telescope of 1608, casts Galileo's discoveries into a global framework. Although the telescope was soon transmitted to China, Mughal India, and the Ottoman Empire, those civilizations did not respond as Europeans did to the new instrument. In Europe, there was an extraordinary burst of innovations in microscopy, human anatomy, optics, pneumatics, electrical studies, and the science of mechanics. Nearly all of those aided the emergence of Newton's revolutionary grand synthesis, which unified terrestrial and celestial physics under the law of universal gravitation. That achievement had immense implications for all aspects of modern science, technology, and economic development. The economic implications are set out in the concluding epilogue. All these unique developments suggest why the West experienced a singular scientific and economic ascendancy of at least four centuries.

### **Science as a Process**

This book explores the socio-political implications of human heredity from the

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second half of the nineteenth century to the present postgenomic moment. It addresses three main phases in the politicization of heredity: the peak of radical eugenics (1900-1945), characterized by an aggressive ethos of supporting the transformation of human society via biological knowledge; the repositioning, after 1945, of biological thinking into a liberal-democratic, human rights framework; and the present postgenomic crisis in which the genome can no longer be understood as insulated from environmental signals. In *Political Biology*, Maurizio Meloni argues that thanks to the ascendancy of epigenetics we may be witnessing a return to soft heredity - the idea that these signals can cause changes in biology that are themselves transferable to succeeding generations. This book will be of great interest to scholars across science and technology studies, the philosophy and history of science, and political and social theory.

## **The Republican War on Science**

Michael Baker is a 35 year old, natural born, American citizen from Texas, a successful entrepreneur and amateur astronomer. Or, is he? The scientific community mocks him when he publishes the time and coordinates where a supernova will occur. When it occurs, people start wondering who Michael is. The day after

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his third supernova prediction stuns the world, Michael abruptly takes over every television and radio in the world and announces that he is the Ambassador to Earth from the Intergalactic Confederation of Planets. Earth is facing multiple grave threats and must take immediate action, if there is any hope for humanity's survival. The Confederation has come to help and is willing to intervene, IF world leaders will accept the help the Confederation offers. Set initially on the Big Island of Hawaii, the story circles the globe in search of enough allies to allow the Confederation to work on humanity's behalf. It is a riveting epic of alien first contact that features uplifting and sometimes humorous accounts of humanity's first interactions with intelligent extraterrestrial life, and it reveals as much about the people of Earth as it does of those who have come to save it. If you like Arthur C. Clarke's 'Childhood's End', or the movie Avatar, then you will love this book. It tells the story of the aliens walking among us, and their purpose here on Earth. Rich characters, touching stories, advanced technologies, political insight an intelligent book that appeals to Science Fiction fans and anyone that enjoys a good story. It is the first book in the Ascendancy series, which tells the story of humanity's ascent into intergalactic civilization.

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**Science in the Spanish and Portuguese Empires, 1500–1800**

"Legend is overdue for replacement, and an adequate replacement must attend to the process of science as carefully as Hull has done. I share his vision of a serious account of the social and intellectual dynamics of science that will avoid both the rosy blur of Legend and the facile charms of relativism. . . . Because of [Hull's] deep concern with the ways in which research is actually done, Science as a Process begins an important project in the study of science. It is one of a distinguished series of books, which Hull himself edits."—Philip Kitcher, *Nature* "In Science as a Process, [David Hull] argues that the tension between cooperation and competition is exactly what makes science so successful. . . . Hull takes an unusual approach to his subject. He applies the rules of evolution in nature to the evolution of science, arguing that the same kinds of forces responsible for shaping the rise and demise of species also act on the development of scientific ideas."—Natalie Angier, *New York Times Book Review* "By far the most professional and thorough case in favour of an evolutionary philosophy of science ever to have been made. It contains excellent short histories of evolutionary biology and of systematics (the science of classifying living things); an important and original

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account of modern systematic controversy; a counter-attack against the philosophical critics of evolutionary philosophy; social-psychological evidence, collected by Hull himself, to show that science does have the character demanded by his philosophy; and a philosophical analysis of evolution which is general enough to apply to both biological and historical change."—Mark Ridley, Times Literary Supplement "Hull is primarily interested in how social interactions within the scientific community can help or hinder the process by which new theories and techniques get accepted. . . . The claim that science is a process for selecting out the best new ideas is not a new one, but Hull tells us exactly how scientists go about it, and he is prepared to accept that at least to some extent, the social activities of the scientists promoting a new idea can affect its chances of being accepted."—Peter J. Bowler, Archives of Natural History "I have been doing philosophy of science now for twenty-five years, and whilst I would never have claimed that I knew everything, I felt that I had a really good handle on the nature of science, Again and again, Hull was able to show me just how incomplete my understanding was. . . . Moreover, [Science as a Process] is one of the most compulsively readable books that I have ever encountered."—Michael Ruse, Biology and Philosophy

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throughout the chapters Divided into four sections based on key analytic categories that reflect new approaches in the field

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In recent years sociologists of sciences have become more interested in scientific elites, in the way they direct and control the development of sciences and, beyond that, in which the organization of research facilities and resources generally affects research strategies and goals. In this volume we focus on scientific establishments and hierarchies as a means of bringing aspects of these concerns together in their historical and comparative contexts. These terms draw attention to the fact that much scientific work has been pursued within a highly specific organizational setting, that of universities and academic research institutes. The effects of this organizational setting as well as its power relations, and its resources in relation to governmental and other non-scientific establishments in society at large, deserve closer attention. One significant aspect of scientific establishments and hierarchies and of the power relations impinging upon scientific research, is the fact that the bulk of leading scientists have the professional career, qualifications and status of a professor. As heads or senior

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members of departments, institutes and laboratories, professors form the ruling groups of scientific work. They are the main defenders of scientific - or departmental - autonomy, accept or resist innovations in their field, play a leading part in fighting scientific controversies or establishing consensus. Even where research units are not directly controlled by professors, authority structures usually remain strongly hierarchical. These hierarchies too deserve attention in any exploration of the social characteristics of scientific knowledge and its production.

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