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Even the youngest science enthusiasts know the name “Einstein.” To them, it represents intelligence and ingenuity. But they may not know much about

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Albert Einstein as a man and why his fame reached such great heights. In this comprehensive biography, which draws on new research and personal documents,

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accessible text tells the fascinating story of Einstein's life, including his early years in Germany, his achievements that led to the Nobel Prize, and his

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role in the development of the atomic bomb.

Plentiful photographs, explanatory diagrams, and illuminating sidebars add to the reader's experience,

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helping to reveal the person and the genius behind the name.

This includes the exclusive biography of Steve Jobs and bestselling biographies

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Benjamin Franklin and  
Einstein.

This volume is a serious  
attempt to open up the  
subject of European  
philosophy of science to  
real thought, and

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provide the structural basis for the interdisciplinary development of its specialist fields, but also to provoke reflection on the idea



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of 'European philosophy of science'. This efforts should foster a contemporaneous reflection on what might be meant by philosophy of science in Europe and

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European philosophy of science, and how in fact awareness of it could assist philosophers interpret and motivate their research through a stronger collective

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identity. The overarching aim is to set the background for a collaborative project organising, systematising, and ultimately forging an

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identity for, European philosophy of science by creating research structures and developing research networks across Europe to promote its

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This book defends a relational theory of the passage of time. The realist view of passage developed in this book differs from the robust,

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substantialist position. According to relationism, passage is nothing over and above the succession of events, one thing coming after another. Causally

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related events are temporally arranged as they happen one after another along observers' worldlines. There is no unique global passage but a multiplicity of

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local passages of time. After setting out this positive argument for relationism, the author deals with five common objections to it: (a) triviality of



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deflationary passage,  
(b) a-directionality of  
passage, (c) the  
impossibility of  
experiencing passage,  
(d) fictionalism about  
passage, and (e) the

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incompatibility of  
passage with perduring  
objects. Relational  
Passage of Time will  
appeal to scholars and  
advanced students  
working in philosophy of

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time, metaphysics, and  
philosophy of physics.

The Tenseless Theory of  
Time

The Shock of Recognition  
History of Science and  
Philosophy of Science

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Motifs of Modern Art and  
Science

Scientism: The New  
Orthodoxy

Interpreting Mach

***When President Reagan and  
Prime Minister Thatcher***

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*adopted the neoliberal doctrine as the paradigm of economics, there was no evidence that the move would have been successful, but thirty years on, the recurrent crises that culminated in 2008 suggest a*

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*serious mis-match between expectations and outcomes: a re-examination of the paradigm is in order. This book focuses on Milton Friedman's formulation of the neoliberal doctrine, and analyses two aspects that*

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*were essential to turning it into a fully-fledged paradigm: the attribution of scientific status to positive economics, which led to informing public policies on the requirements of the market; and the*

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*characterisation of economic freedom as capable of promoting political freedom, which led to identifying free market with democracy. The book exposes Friedman's methodological argument for attributing positive*



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*economics scientific status as a failure, and his characterisation of economic freedom as a delusion; it identifies in the emergence as the mainstream in economics of the neoclassical synthesis,*

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*which borrowed from Walras' the mathematical treatment of equilibrium but not the ethical and social framework in which it was inscribed, a development that facilitated the transition from the Keynesian to the neoliberal*

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*paradigm. Dr. Mosini shows that the gigantic bail-outs carried out courtesy of the public purse, which institutionalised the practice of collectivising losses while keeping profits private, were no accident,*

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*but the consequence of the rethinking of the function of lender of last resort according to Friedman's conception of rationality in relation to risk, combined with his interpretation of the 1930s recession. The*

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*book concludes that the neoliberal paradigm has served the interests of the economically powerful social strata it was designed to benefit extremely well, but that the deep, and deepening, injustice it has*

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*brought about calls for a complete rethinking of the paradigm of economics according to ethical principles respectful of human values. This book should be of interest to students and researchers of*

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*Political Economy, Economic Methodology, History of Economic Thought and Philosophy.*

*Ether and Modernity offers a snapshot of the status of an epistemic object, the "ether" (or "aether"), in*

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*the early twentieth century. The contributed papers show that the ether was often regarded as one of the objects of modernity, hand in hand with the electron, radioactivity or X-rays, and not simply as the stubborn*



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*residue of an old-fashioned, long-discarded science. The prestige and authority of scientists and popularisers like Oliver Lodge and Arthur Eddington in Britain, Phillip Lenard in Germany or Dayton C. Miller in the USA*

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*was instrumental in the preservation, defence or even re-emergence of the ether in the 1920s.*

*Moreover, the consolidation of wireless communications and radio broadcasting, indeed a very modern*

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*technology, brought the ether into audiences that would otherwise never have heard about such an esoteric entity. The ether also played a pivotal role among some artists in the early twentieth century: the*

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*values of modernism found in the complexities and contradictions of modern physics, such as wireless action or wave-particle puzzles, a fertile ground for the development of new artistic languages; in*

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*literature as much as in the pictorial and performing arts. Essays on the intellectual foundations of Umberto Boccioni's art, the linguistic techniques of Lodge, and Ernst Mach's considerations on aesthetics*

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*and physics witness to the  
imbricate relationship  
between the ether and  
modernism. Last but not  
least, the ether played a  
fundamental part in the  
resurgence of modern  
spiritualism in the*

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*aftermath of the Great War. This book examines the complex array of meanings, strategies and milieus that enabled the ether to remain an active part in scientific and cultural debates well into the 1930s, but not*

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*beyond. This portrait may be easily regarded as the swan song of an epistemic object that was soon to fade away as shown by Paul Dirac's unsuccessful attempt to resuscitate some kind of aether in 1951, with which*



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*this book finishes.*

*This volume reviews  
conceptual conflicts at the  
foundations of physics now  
and in the past century. The  
focus is on the conditions  
and consequences of  
Einstein's pathbreaking*

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*achievements that sealed the decline of the classical notions of space, time, radiation, and matter, and resulted in the theory of relativity. Particular attention is paid to the implications of conceptual*

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*conflicts for scientific  
views of the world at large,  
thus providing the basis for  
a comparison of the demise  
of the mechanical worldview  
at the turn of the 20th  
century with the challenges  
presented by cosmology at*

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*the turn of the 21st century. Throughout the work, Einstein's contributions are not seen in isolation but instead set into the wider intellectual context of dealing with the problem of gravitation in*

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*the twilight of classical physics; the investigation of the historical development is carried out with a number of epistemological questions in mind, concerning, in particular, the*

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*transformation process of knowledge associated with the changing worldviews of physics.*

*Addressing a wide range of topics, from Newton to Post-Kuhnian philosophy of science, these essays*

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*critically examine themes that have been central to the influential work of philosopher Michael Friedman. Special focus is given to Friedman's revealing study of both history of science and*

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*philosophy in his work on  
Kant, Newton, Einstein, and  
other major figures. This  
interaction of history and  
philosophy is the subject of  
the editors' "manifesto" and  
serves to both explain and  
promote the essential ties*



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*between two disciplines  
usually regarded as  
unrelated.*

*Albert Einstein*

*The Man, the Genius, and the  
Theory of Relativity*

*Ernst Mach*

*Hume's Natural Philosophy*

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*and Philosophy of Physical  
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**Seduction is a complicated concept that is a part of the general human experience. Despite the prevalence of seduction in our personal lives as well as within popular culture, the concept has not been widely discussed and researched as an academic field.**

**Seduction in Popular Culture,**

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**Psychology, and Philosophy explores the concept of seduction and the many ways it can be understood, either as a social and individual practice, a psychological trait, or a schema for manipulation. Taking a cross-disciplinary approach, this publication features research-based chapters**

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**relevant to sociologists, media professionals, psychologists, philosophers, advertising professionals, researchers, and graduate level students studying in related areas.**

**"Einstein begins his Autobiographical Notes with one problem he never quite solved: "What, precisely, is thinking?"**

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**To answer, he turns inward to the very shape of his thoughts, the ongoing struggle to connect local observation, or what he calls the "momentary and personal," to the larger "mental grasp of things." Einstein situates his greatest discoveries amongst the other twentieth-century breakthroughs in the field and**

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**closely examines how these discoveries punctuated and propelled his own intellectual development. The autobiography expands what we know about Einstein's childhood education, readings in philosophy, and journey to the theory of general relativity. In this book, Autobiographical Notes is**

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**accompanied by introductions, essays,  
and commentary by Hanoeh Gutfreud  
and Jürgen Renn, who draw on  
biographical information, written  
correspondence, and their knowledge of  
Einstein scholarship to render these  
difficult texts accessible to readers.  
They have also collected critical**



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writings by Einstein's contemporaries alongside Einstein's own responses to these interlocutors, as well as Einstein's Autobiographical Sketch, composed just before his death in 1955, which is published for the first time in English"--

**"Outstanding Academic Title for 2014"**

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**by CHOICE Einstein Relatively Simple  
brings together for the first time an  
exceptionally clear explanation of both  
special and general relativity. It is for  
people who always wanted to  
understand Einstein's ideas but never  
thought they could. Told with humor,  
enthusiasm, and rare clarity, this**

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**entertaining book reveals how a former high school drop-out revolutionized our understanding of space and time. From  $E=mc^2$  and everyday time travel to black holes and the big bang, Einstein Relatively Simple takes us all, regardless of our scientific backgrounds, on a mind-boggling**

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**journey through the depths of Einstein's universe. Along the way, we track Einstein through the perils and triumphs of his life — follow his thinking, his logic, and his insights — and chronicle the audacity, imagination, and sheer genius of the man recognized as the greatest scientist of the modern**

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**era. In Part I on special relativity we learn how time slows and space shrinks with motion, and how mass and energy are equivalent. Part II on general relativity reveals a cosmos where black holes trap light and stop time, where wormholes form gravitational time machines, where space itself is**

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**continually expanding, and where some  
13.7 billion years ago our universe was  
born in the ultimate cosmic event — the  
Big Bang. Contents: Einstein  
Discovered: Special Relativity,  $E = mc^2$ , and Spacetime: From Unknown to  
Revolutionary The Great Conflict The  
Two Postulates A New Reality The**

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**Shrinking of Time Simultaneity and the  
Squeezing of Space The World's Most  
Famous Equation Spacetime Einstein  
Revealed: General Relativity, Gravity,  
and the Cosmos: Einstein's Dream "The  
Happiest Thought of My Life" The  
Warping of Space and Time Stitching  
Spacetime What is Spacetime**

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**Curvature? Einstein's Masterpiece The  
Universe Revealed In the Beginning  
Readership: Adults and young people  
all over the world who are curious about  
Einstein and how the universe works.  
Keywords: Einstein; Relativity; Special  
Relativity; General  
Relativity; Spacetime; Big Bang; Black**



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**Holes;Expansion of Space;Time  
Travel; $E=mc^2$ ;Universe;Cosmos;Time  
Dilation;Length  
Contraction;Wormholes;Light  
Postulate;Length  
Contraction;Gravitational Time  
Dilation;Time Warp;Space  
Warp;Relativity Postulate;Lorentz**

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**Transformation; Light Clock; Relativity  
of Simultaneity; Twins  
Paradox; Equivalence  
Principle; Gravity; Spacetime  
Curvature; Spacetime Interval; Gaussian  
Co-  
Ordinates; Geodesic; Momentum; The  
Einstein Equation; Schwarzschild**

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**Geometry; Bending of Starlight; Frame  
Dragging; Cosmic Microwave  
Background; Geometry of Universe; Flat  
Universe; Critical Density; Dark  
Matter; Dark Energy; Future of  
Universe** Key Features: Einstein  
Relatively Simple is the definitive book  
on Einstein's theories for the lay reader

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— one that is fun to read, comprehensive, and most important, understandable Einstein's ideas are explained in everyday language The book devotes eight chapters to special and a full eight chapters to general relativity. Most popular science books give general relativity only a brief

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**mention or ignore it altogether**Reviews:  
**“This general relativity theory changed  
our views on the origin and on the  
ending (if any) of the universe ... all  
topics that tickle the imagination of a  
general public and Egdall, bringing the  
reader to the point beyond general  
relativity, does not miss the opportunity**

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to end his guided tour with a sparkling firework of these issues ... it is an entertaining introduction for the layman, that brings the reader a very long way.” The European Mathematical Society “He covers the main topics of special and general relativity in a refreshing, personal way. This is a well-

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**crafted, well-documented text with extensive endnotes, in which a bibliography is embedded. He introduces readers to his own unique entry into this very populous genre. Valuable for inquisitive nonscientists.” CHOICE “I'm crazy about it. It's the best presentation of relativity for non-**

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Professor Emeritus of Physics  
University of Arkansas "The writing is  
jovial and energetic and holds the  
reader's attention. This book is a nice  
introduction to modern physics, with a  
great biography of Einstein included.  
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**reader with basic algebra skills; high school and beginning college physics students would find it easily accessible." Zentralblatt MATH**  
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**The History and Meaning of Einstein's "The Foundation of General Relativity", Featuring the Original Manuscript of Einstein's Masterpiece**

**The recalcitrance of an epistemic object**

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**in the early twentieth century  
Seduction in Popular Culture,  
Psychology, and Philosophy  
Einstein on Einstein  
His Life and Universe  
Ernst Mach's World Elements  
Relational Passage of Time**

By exploring Mach's views on science

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as well as philosophy, this book attempts to wrest him free from his customary association with logical positivism and to reinterpret him on his own terms as a natural philosopher and naturalist about human knowledge. Physicists, psychologists, philosophers

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of science, historians of twentieth-century thought and culture, and educators will find this volume a valuable help in interpreting Mach's ideas.

These fourteen essays by leading historians and philosophers of science

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introduce the reader to the work of Albert Einstein. Following an introduction that places Einstein's work in the context of his life and times, the essays explain his main contributions to physics in terms that are accessible to a general audience, including special

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and general relativity, quantum physics, statistical physics, and unified field theory. The closing essays explore the relation between Einstein's work and twentieth-century philosophy, as well as his political writings.

This book contextualizes David

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Hume's philosophy of physical science, exploring both Hume's background in the history of early modern natural philosophy and its subsequent impact on the scientific tradition. Drawing on Cartesian cosmology and Einstein's special relativity, and taking in topics



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including experimentalism, causation, laws of nature, metaphysics of forces, mathematics' relation to nature, and the concepts of space and time, this book deepens our understanding of Hume's relation to natural philosophy. It does so in addition by situating Hume's

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thought within the context of other major philosophers and scientists, including Descartes, Locke, Boyle, Kant, Newton, and Leibniz.

Demonstrating above all Hume's understanding of the fluid relationship between philosophy and science,

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An annotated facsimile edition of Einstein's handwritten manuscript on the foundations of general relativity

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This richly annotated facsimile edition of "The Foundation of General Relativity" introduces a new generation of readers to Albert Einstein's theory of gravitation. Written in 1915, this remarkable document is a watershed in the history of physics and an enduring

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testament to the elegance and precision of Einstein's thought. Presented here is a beautiful facsimile of Einstein's original handwritten manuscript, along with its English translation and an insightful page-by-page commentary that places the work in historical and

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scientific context. Hanoach Gutfreund and Jürgen Renn's concise introduction traces Einstein's intellectual odyssey from special to general relativity, and their essay "The Charm of a Manuscript" provides a delightful meditation on the varied afterlife of

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Einstein's text. Featuring a foreword by John Stachel, this handsome edition also includes a biographical glossary of the figures discussed in the book, a comprehensive bibliography, suggestions for further reading, and numerous photos and illustrations

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throughout.

Einstein's Revolution

The Nature of Creative Development

Reassessing the Paradigm of

Economics

Ontology after Philosophical

Psychology



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Bringing Positive Economics Back into  
the Normative Framework

The World Philosophy Made

Ludwig Boltzmann His Later Life and  
Philosophy, 1900–1906

*Originally published in  
1955, Eugene Rotwein's*

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*collection of David Hume's economic writings has become the criterion by which to measure studies of Hume's thinking on economics. Rotwein, in his extended introduction, masterfully examines the connection*

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*between Hume's various  
writings—economic,  
political, philosophical,  
and historical. This edition  
is graced with a new  
introduction by Margaret  
Schabas. Hume belonged to  
the same generation as that*

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*of his friend and fellow  
countryman Adam Smith.*

*Hume's writings on  
economics, however, unlike  
those of Smith's, comprise a  
relatively small portion of  
his published works. They  
consist of nine of twelve*

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*essays in his Political Discourses, first published in 1752, and a rather small number of passages in Hume's private letters to such correspondents as Smith, Montesquieu, Turgot, and Oswald. They were all*

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*brought together here for the first time in a single volume. These writings sought to clarify the various problems of Hume's society and suggest remedies for their solution. They are still relevant for the*

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*modern reader. Included are "Of Commerce," "Of Refinement in the Arts," "Of Money," "Of Interest," "Of the Balance of Trade," "Of the Jealousy of Trade," "Of Taxes," "Of Public Credit," and "Of the Populousness of*

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*Ancient Nations," as well as the relevant extracts from Hume's letters. Long unavailable, this edition will be welcomed by students of economics, philosophy, and the Scottish Enlightenment.*



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*David Hume (1711–1776) is widely acknowledged as one of the most important philosophers in the English language, with his work continuing to exert major influence on philosophy today. His empiricism,*

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*naturalism, and psychology  
of the mind and the passions  
shape many positions and  
approaches in the sciences  
and social sciences. The  
Humean Mind seeks to provide  
a comprehensive survey of  
his work, not only placing*

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*it in its historical context  
but also exploring its  
contemporary significance.  
Comprising 38 chapters by a  
team of international  
contributors the Handbook is  
divided into four sections:  
· Intellectual context ·*

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*Hume's thought · Hume's  
reception · Hume's legacy  
This handbook includes  
coverage of all major  
aspects of Hume's thought  
with essays spanning the  
full scope of Hume's  
philosophy. Topics explored*

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*include Hume's reception in the eighteenth and nineteenth centuries; Hume's legacy in the twentieth and twenty-first centuries; Hume's history, including an essay on Hume as historian, as well as essays on the*

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*relevance of history to  
Hume's philosophy and his  
politics, and an updated  
treatment of Hume's Legal  
Philosophy. Also included  
are essays on race, gender,  
and animal ethics. Essential  
reading for students and*

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*researchers in philosophy,  
Hume's work is central to  
epistemology, metaphysics,  
philosophy of mind,  
philosophy of science,  
ethics, legal philosophy and  
philosophy of religion.  
The author applies the*

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*methodology of scientific research programmes to the origins of relativity, showing how Eddington, Lorentz, Poincare, Planck and Weyl were driven by mathematical heuristics to make their various*



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*contributions to Einstein's  
programme.*

*This second edition of  
Historical Dictionary of  
Hume's Philosophy contains a  
chronology, an introduction,  
and an extensive  
bibliography. The dictionary*

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*section has over 100 cross-referenced entries covering key terms, as well as brief discussions of Hume's major works and of some of his most important predecessors, contemporaries, and successors.*

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*Writings on Economics*

*Einstein Relatively Simple*

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*Consciousness in William*

*James's Philosophy of Mind*

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out and cultivate the brightest*

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*minds and give them voice, reach, and impact. Drawing on a backlist dating to 1893, Voices Revived makes high-quality, peer-reviewed scholarship accessible once again using print-on-demand technology. This title was originally published in 1972.*

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*Ontology after Philosophical  
Psychology develops a theoretical  
and historical analysis of William  
James's psychology of the stream  
of consciousness and its  
connections with his philosophy  
of radical empiricism. This  
context enables a fuller*

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*understanding of James's  
epistemological effort to deal  
with science, as well as his  
pluralistic metaphysics.*

*How philosophy transformed  
human knowledge and the world  
we live in Philosophical  
investigation is the root of all*

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*Firmly rebutting the misconception of philosophy as ivory-tower thinking, Soames traces its essential contributions to fields as diverse as law and logic, psychology and economics, relativity and rational decision theory. Beginning with the giants*

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*of ancient Greek philosophy, The  
World Philosophy Made  
chronicles the achievements of  
the great thinkers, from the  
medieval and early modern eras  
to the present. It explores how  
philosophy has shaped our  
language, science, mathematics,*

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*religion, culture, morality,  
education, and politics, as well as  
our understanding of ourselves.  
Philosophy's idea of rational  
inquiry as the key to theoretical  
knowledge and practical wisdom  
has transformed the world in  
which we live. From the laws that*

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*govern society to the digital  
technology that permeates  
modern life, philosophy has  
opened up new possibilities and  
set us on more productive paths.  
The World Philosophy Made  
explains and illuminates as never  
before the inexhaustible richness*

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*of philosophy and its influence on  
our individual and collective  
lives.*

*Although David Hume's  
contributions to philosophy are  
firmly established, his economics  
has been largely overlooked. A  
Philosopher's Economist offers*

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*the definitive account of Hume's "worldly philosophy" and argues that economics was a central preoccupation of his life and work. Margaret Schabas and Carl Wennerlind show that Hume made important contributions to the science of economics, notably*

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*on money, trade, and public finance. Hume's astute understanding of human behavior provided an important foundation for his economics and proved essential to his analysis of the ethical and political dimensions of capitalism. Hume also linked*



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*his economic theory with policy recommendations and sought to influence people in power. While in favor of the modern commercial world, believing that it had and would continue to raise standards of living, promote peaceful relations, and foster*

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*moral refinement, Hume was not an unqualified enthusiast. He recognized many of the underlying injustices of capitalism, its tendencies to promote avarice and inequality, as well as its potential for political instability and*

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*absolutism. Hume's imprint on modern economics is profound and far reaching, whether through his close friend Adam Smith or later admirers such as John Maynard Keynes and Friedrich Hayek. Schabas and Wennerlind's book compels us to*

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*reconsider the centrality and legacy of Hume's economic thought—for both his time and ours—and thus serves as an important springboard for reflections on the philosophical underpinnings of economics. The Present Situation in the*

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*Philosophy of Science*

*Historical Dictionary of Hume's  
Philosophy*

*Reinvigorating the Marriage of  
History and Philosophy of  
Science*

*From Plato to the Digital Age*

*How Relativity Conquered*

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*Nationalism and Shook the World  
Einstein*

*Book One: A Documentary  
History*

*'Deeply researched and  
profoundly absorbing . . .  
Matthew Stanley traces one  
of the greatest epics of*

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*scientific history . . . An amazing story' Michael Frayn, author of Tony Award-winning Copenhagen In 1916, Arthur Eddington, a war-weary British astronomer, opened a letter written by an obscure German professor*

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*named Einstein. The neatly printed equations on the scrap of paper outlined his world-changing theory of general relativity. Until then Einstein's masterpiece of time and space had been trapped behind the physical*



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*and ideological lines of battle, unknown. Einstein's name is now synonymous with 'genius', but it was not an easy road. He spent a decade creating relativity and his ascent to global celebrity owed much to against-the-*

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*odds international collaboration, including Eddington's globe-spanning expedition of 1919 - two years before they finally met. We usually think of scientific discovery as a flash of individual*

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*inspiration, but here we see it is the result of hard work, gambles and wrong turns. Einstein's War is a celebration of what science can offer when bigotry and nationalism are defeated. Using previously unknown*

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*sources and written like a thriller, it shows relativity being built brick-by-brick in front of us, as it happened 100 years ago.*

*'Riveting . . . Stanley lets us share the excitement a hundred years later in this*

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*entertaining and gripping  
book. It's a must read if  
you ever wondered how  
Einstein became 'Einstein'  
Manjit Kumar, author of  
Quantum  
Discourse on a New  
MethodReinvigorating the*

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*Marriage of History and  
Philosophy of Science* Open  
Court Publishing

*A narrative portrait based  
on the complete body of  
Einstein's papers offers  
insight into his  
contributions to science, in*

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*an account that describes the influence of his discoveries on his personal views about morality, politics, and tolerance. Scientism: The New Orthodoxy is a comprehensive philosophical overview of*

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*the question of scientism, discussing the role and place of science in the humanities, religion, and the social sciences.*

*Clarifying and defining the key terms in play in discussions of scientism,*



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*this collection identifies the dimensions that differentiate science from scientism. Leading scholars appraise the means available to science, covering the impact of the neurosciences and the new challenges it*

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*presents for the law and the self. Illustrating the effect of scientism on the social sciences, and the humanities, Scientism: the New Orthodoxy addresses what science is and what it is not. This provocative*

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*collection is an important contribution to the social sciences and the humanities in the 21st century.*

*Contributors include: Peter Hacker, Bastiaan van Fraassen, Daniel N.*

*Robinson, Kenneth Schaffner,*

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*Roger Scruton, James K.A.  
Smith, Richard Swinburne,  
Lawrence Principe and  
Richard N. Williams.  
Ernst Mach's Vienna  
1895-1930  
His Life, Work, and  
Influence*

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*Our Universe Revealed in  
Everyday Language  
Idealist Alternatives to  
Materialist Philosophies of  
Science  
A Historical Perspective of  
the Evolution of Ideas in  
Science*

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*Das Wechselverhältnis  
zwischen religiös-  
weltanschaulichen Gehalten  
und naturwissenschaftlicher  
Theoriebildung Albert  
Einsteins in seiner  
Entwicklung  
Hume and the Rise of*

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*Capitalism*

*This book describes the basic structure and processes through which creative endeavors are initially developed and then transformed into creative*

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contributions.

*Einsteins religiös-  
weltanschauliche  
Überzeugungen haben seine  
naturwissenschaftliche  
Arbeit maßgeblich  
mitbestimmt und erst*



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*ermöglicht. Markus Mühling  
untersucht das  
Wechselverhältnis zwischen  
religiös-weltanschaulichen  
Gehalten und  
naturwissenschaftlicher  
Theoriebildung Albert*

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*Einsteins erstmals in  
umfassender, historisch-  
kritischer Darstellungsweise.  
Die religiös-  
weltanschaulichen  
Überzeugungen Einsteins  
lassen sich so in ihrer*

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*Entwicklung in einem neuen  
Licht erkennen. Besonderes  
Augenmerk kommt  
philosophisch-theologischen  
Einflüssen Einsteins von  
seiner Jugendzeit bis zum  
Abschluss der Allgemeinen*

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*Relativitätstheorie zu. Die  
historisch-kritische  
Darstellung dieses  
Wechselverhältnisses wird  
ergänzt durch eine  
systematische Darstellung  
des*

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*Wirklichkeitsverständnisses  
Einsteins sowie um  
Überlegungen der  
funktionalen Bestimmung  
zwischen religiös-  
weltanschaulichen  
Überzeugungen und*

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*naturwissenschaftlicher  
Arbeit. Es zeigt sich, dass  
bisher angenommene  
weltanschauliche Einflüsse  
auf Einsteins Arbeit neu  
bewertet werden müssen.  
Beispielsweise wurde die*

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*Rolle Spinozas weit  
überschätzt, die Humes und  
Schopenhauers wurde  
umgekehrt weit  
unterschätzt. Mühling nimmt  
auch eine Neubewertung der  
Sichtweise der*

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*Quantentheorie in Einsteins  
Denken vor. Für Theologen,  
Physiker und Philosophen,  
die am interdisziplinären  
Dialog interessiert sind,  
leistet dieses Buch einen  
unumgänglichen Beitrag,*



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*indem es die Erforschung  
des  
Wirklichkeitsverständnisses  
Einsteins auf ein neues  
Niveau stellt und  
Voraussetzungen für einen  
zukünftigen Dialog zwischen*

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*Theologie und  
Naturwissenschaft öffnet.  
This edited volume features  
essays written in honor of  
Ernst Mach. It explores his  
life, work, and legacy.  
Readers will gain a better*

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*understanding of this natural  
scientist and scholar who  
made major contributions to  
physics, the philosophy of  
science, and physiological  
psychology. The essays offer  
a critical inventory of Mach's*

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*lifework in line with state-of-the-art research and historiography. It begins with physics, where he paved the way for Einstein's Theory of Relativity. The account continues with Mach's*

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*contributions in biology,  
psychology, and physiology  
pioneering with an empiricist  
and gestalthaft Analysis of  
Sensations. Readers will also  
discover how in the  
philosophy of science he*

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*served as a model for the  
Vienna Circle with the Ernst  
Mach Society as well as  
paved the way for an  
integrated history and theory  
of science. Indeed, his  
influence extends far beyond*

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*the natural sciences -- to the  
Vienna Medical School and  
psychoanalysis (R. Bárány, J.  
Breuer, S. Freud), to  
literature (Jung Wien, R.  
Musil), to politics (F. Adler,  
Austro-Marxism and the*

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*Viennese adult education), to  
arts between Futurism and  
Minimal Art as well as to  
social sciences between the  
liberal school (J. Schumpeter,  
F. A. von Hayek) and  
empirical social research (P.*



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*Lazarsfeld und M. Jahoda).*

*2 But already he had done important work on thermal equilibrium which helped generalize Maxwell's distribution law. Indeed, there is part of a letter by*

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*James Clerk Maxwell to  
Loschmidt from this period  
which runs: "I am very  
pleased over the outstanding  
work of your student; in  
England experimental  
physics is much neglected.*

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*Sir William Thomson has done the most in this connection, but you [in Austria] are ahead of us with your good example. "2 But while praise was fine, Boltzmann lusted after*

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*further travel. He wanted to know what other physicists were doing first hand. In 1870 he attended lectures by Bunsen and Konigsberger in Heidelberg, and in the same year went to Berlin*

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*only to scurry back to Vienna with the outbreak of the Franco-Prussian War, but Boltzmann was back in Berlin the next year attending lectures, visiting laboratories, and working on*

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*dielectricity more or less  
under the direction of  
Kirchhoff and Helmholtz.*

*Critical Essays*

*Autobiographical and*

*Scientific Reflections*

*Ether and Modernity*

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*The Cambridge Companion  
to Einstein*

*Discourse on a New Method  
Or Phenomenalism as  
Philosophy of Science*

*A Philosopher's Economist  
Idealist Alternatives to Materialist*

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*Philosophies of Science (ed. Philip MacEwen) presents some of the major challenges to materialist interpretations of science while also giving materialism a full hearing.*

*The central question in the philosophy of time is whether time is tensed or tenseless, viz., whether the moments*



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*of time are objectively past, present or future, or whether they are ordered merely by the tenseless temporal relations earlier than, simultaneous with, and later than. In this book and the companion volume *The Tensed Theory of Time: A Critical Examination*, Craig undertakes the first thorough*

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*appraisal of the arguments for and against the tensed and tenseless theories of time. The discussions range widely over issues in the philosophy of language, phenomenology, relativity theory, philosophy of space and time, metaphysics, and philosophy of religion. The Tenseless Theory of Time*

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*sets out to discover whether the ineliminability of tense from language and our experience of tense warrants a belief in its objective ontological status, or whether the defeaters raised by McTaggart's paradox and the Myth of Passage serve to undermine any warrant that the tensed theory of time*

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*may be supposed to enjoy.*

*As a student and disciple of Karl Popper and longtime managing editor of Philosophy of the Social Sciences, Ian C. Jarvie extended the notion of Critical Rationalism to be useful in anthropology, aesthetics, film studies, and various social sciences. In this*

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*Festschrift, contributors from a range of interests and disciplines engage with the Popperian legacy and Jarvie's scholarly and editorial work in Critical Rationalism to contextualize it in the broader, contemporary intellectual landscape. These original essays not only honor Jarvie's legacy, but expand*

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*it to cross the philosophical divide between analytic and continental schools of thought. In so doing, the authors bring the state-of-the-art achievements of Critical Rationalism to the forefront of current academic debates.*

*This volume presents new essays on*

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*the work and thought of physicist, psychologist, and philosopher Ernst Mach. Moving away from previous estimations of Mach as a pre-logical positivist, the essays reflect his rehabilitation as a thinker of direct relevance to debates in the contemporary philosophies of natural*

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*science, psychology, metaphysics, and mind. Topics covered include Mach's work on acoustical psychophysics and physics; his ideas on analogy and the principle of conservation of energy; the correct interpretation of his scheme of 'elements' and its relationship to his 'historical-critical' method; the*



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*relationship of his thought to movements such as American pragmatism, realism, and neutral monism, as well as to contemporary figures such as Friedrich Nietzsche; and the reception and influence of his works in Germany and Austria, particularly by the Vienna Circle.*

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*Einstein's War*

*Einstein und die Religion*

*The Impact of Critical Rationalism*

*Hume*

*Ernst Mach – Life, Work, Influence*

*Steve Jobs, Benjamin Franklin,*

*Einstein*

*The Road to Relativity*

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***Beginning with an overview of Hume's life and work, Don Garrett introduces in clear and accessible style the central aspects of Hume's thought. These include***

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***Hume's lifelong  
exploration of the human  
mind; his theories of  
inductive inference and  
causation; skepticism and  
personal identity; moral  
and political philosophy;***

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***aesthetics; and  
philosophy of religion.  
The final chapter  
considers the influence  
and legacy of Hume's  
thought today.  
Throughout, Garrett***

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***draws on and explains  
many of Hume's central  
works, including his  
Treatise of Human  
Nature, Enquiries  
Concerning Human  
Understanding, and***

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***Dialogues Concerning  
Natural Religion. Hume is  
essential reading not only  
for students of  
philosophy, but anyone in  
the humanities and social  
sciences and beyond***

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***seeking an introduction  
to Hume's thought.***

***Section Guide 1.***

***Prolegomena 2.***

***Biographical Sketch 3.***

***Epistemology 4. Textbook***

***Ontology 1.***



***PROLEGOMENA While both philosophers and historians almost always love truth and the search for truth, and both often carry out extensive research, there can be***

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***noticeable differences  
when historians write  
about the history of  
philosophy and when  
philosophers write about  
it. Philosophers often  
look at the past with***

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***categories and interests  
taken from the present or  
at the least from the  
recent past, but many  
historians, especially  
those who love research  
for its own sake, will try***

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***to look at the past from a perspective either from that period or from even earlier. Both camps look for roots, but view them with different lenses and presuppositions. This***

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***prolegomena has been added to prepare some philosophers for what will hopefully only be the mildest of shocks, for seeing the history of philosophy in a way which***

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***does not treat what is  
recent or latest as best,  
but which loves the  
context of ideas for its  
own sake, a context which  
can be very foreign to  
contemporary likes and***

***dislikes. To be sure, we  
historians can deceive  
ourselves as easily as  
philosophers, but we tend  
to do so about different  
things.***

***Prefatory Explanation It***

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***must be remarked at once  
that I am 'editor' of this  
volume only in that I had  
the honor of presiding at  
the symposium on  
Spinoza and the Sciences  
at which a number of***



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***these papers were  
presented (exceptions are  
those by Hans Jonas,  
Richard Popkin, Joe  
VanZandt and our four  
European contributors),  
in that I have given some***

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***editorial advice on details  
of some of the papers,  
including translations,  
and finally, in that my  
name appears on the  
cover. The choice of  
speakers, and of addi***

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***tional contributors, is  
entirely due to Robert  
Cohen and Debra Nails;  
and nearly all the burden  
of readying the  
manuscript for the press  
has been borne by the***

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***latter. In the introduction  
to another anthology on  
Spinoza I opened my  
remarks by quoting a  
statement of Sir Stuart  
Hampshire about inter  
pretations of Spinoza's***

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***chief work: All these masks have been fitted on him and each of them does to some extent fit. But they remain masks, not the living face. They do not show the moving***

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***tensions and unresolved  
conflicts in Spinoza's  
Ethics. (Hampshire, 1973,  
p. 297) The double theme  
of 'moving tensions' and  
'unresolved conflicts'  
seems even more***

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***appropriate to the present volume. What is Spinoza's relation to the sciences? The answers are many, and they criss-cross one another in a number of complicated***

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**ways.**

***A Study in Heuristic  
A Study in Natural  
Philosophy***