

# The Scientists A History Of Science Told Through The Lives Of Its Greatest Inventors

The Cambridge History of Science: Volume 3, Early Modern Science  
The History of Science in Bite-sized Chunks  
A Chronology of the History of Science, 1450-1900  
A Companion to the History of Science  
A Brief History of Science  
Science: A History in 100 Experiments  
Main Currents of Scientific Thought  
A Little History of Science  
An Introduction to the History of Science  
Science in History  
A Short History of Science to the Nineteenth Century  
Theories for Everything  
The Scientific Revolution and the Origins of Modern Science  
A Short History of Scientific Thought  
The History of Science  
The Invention of Science  
Reader's Guide to the History of Science  
From Natural Philosophy to the Sciences  
Introduction to the History of Science  
A Shorter History of Science  
David C. Lindberg Nicola Chalton Robert Mortimer Gascoigne Bernard Lightman Thomas Crump John Gribbin Stephen Finney Mason William Bynum Walter Libby J. D. Bernal Charles Singer John Langone John Henry John Henry Peter Whitfield David Wootton Arne Hessenbruch David Cahan George Sarton Sir William Cecil Dampier  
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an account of european knowledge of the natural world c 1500 1700

discover the fascinating history of science in simple bite sized chunks from key scientific discoveries to the remarkable minds in each scientific field

gascoigne provides a chronology by decade of individuals he considers to be the 1000 most important scientists who contributed to the biological and physical sciences from 1450 to 1900 his selections are appropriate and balanced part 1 of the book arranges scientists by discipline and by their most important work briefly described included are significant books and journals from each period part 2 provides a brief biographical sketch of each scientist and arranges these by nationality and by the decade in which they began their careers included are institutions important to the history of science all but 21 of the 1000 scientists covered here are included in the dictionary of scientific biography scribner the standard source however the present one volume work will be very useful for quick reference recommended for academic and public libraries robert paul history of science program dickinson coll carlisle penn library journal

the wiley blackwell companion to the history of science is a single volume companion that discusses the history of science as it is done today providing a survey of the debates and issues that dominate current scholarly discussion with contributions from leading international scholars provides a single volume overview of current scholarship in the history of science edited by one of the leading figures in the field features forty essays by leading international scholars providing an overview of the key debates and developments in the history of

science reflects the shift towards deeper historical contextualization within the field helps communicate and integrate perspectives from the history of science with other areas of historical inquiry includes discussion of non western themes which are integrated throughout the chapters divided into four sections based on key analytic categories that reflect new approaches in the field

from earliest pre history with the dawning understanding of fire and its many uses including cooking and pottery up to the twenty first century and the 26 kilometre underground particle accelerator this is a fascinating exploration of mankind s innovative nature thomas crump describes how our creativity expressed in the design and production of tools and scientific instruments has continually extended the frontiers of science and as a consequence human civilization jacket

a history of science distilled into 100 notable experiments epic moments that have fuelled our understanding of earth and the universe beyond

donated by sydney harris

a spirited volume on the great adventures of science throughout history for curious readers of all ages

in an introduction to the history of science walter libby navigates the intricate tapestry of scientific evolution from ancient civilizations to modern advancements his literary style is characterized by clarity and an engaging narrative effectively weaving together complex ideas within their historical contexts libby expertly highlights pivotal moments and figures in science emphasizing the interplay between scientific discovery and societal change and illustrating how achievements in one era laid the foundation for future inquiries this work serves not only as an educational text but also as a reflection on the philosophical questions that arise alongside scientific progress walter libby a distinguished historian and educator has devoted much of his career to exploring the intersections of science philosophy and society holding advanced degrees in both history and the natural sciences libby s unique perspective allows him to synthesize diverse fields his extensive research combined with his passion for teaching has equipped him to present science not merely as a collection of facts but as a dynamic narrative shaped by human thought and culture this book is highly recommended for students educators and anyone with an interest in the evolution of scientific thought whether you are encountering the history of science for the first time or seeking to deepen your understanding libby s comprehensive yet accessible approach makes this text an essential addition to the library of anyone passionate about the quest for knowledge

j d bernal s monumental work science in history was the first full attempt to analyse the reciprocal relations of science and society throughout history from the perfection of the flint hand axe to the hydrogen bomb in this remarkable study he illustrates the impetus given to and the limitations placed upon discovery and invention by pastoral agricultural feudal capitalist and socialist systems and conversely the ways in which science has altered economic social and political beliefs and practices in this first volume bernal discusses the nature and method of science before describing its emergence in the stone age its full formation by the greeks and its continuing growth probably influenced from china under christendom and islam in the middle ages andrew brown bernal s biographer with a nice sense of paradox has said of him he was steeped in history in part because he was always thinking about the future he goes on to say science in history is an encyclopaedic yet individual and colourful account of the emergence of science from pre historic times there is detailed coverage of the scientific revolution of the enlightenment the industrial age and the first two thirds of the twentieth century the writing flows and is devoid of the tortured idioms that mar so many academic histories of science after reading it it is easy to agree with c p snow s orotund observation that bernal was the last man to know science faber finds are reissuing the illustrated four volume edition first published by penguin in 1969 the four volumes are volume 1 the emergence of science volume 2 the scientific and industrial revolutions volume 3 the natural sciences in our time volume 4 the social sciences conclusion this stupendous work is a magnificent

synoptic view of the rise of science and its impact on society which leaves the reader awe struck by professor bernal's encyclopaedic knowledge and historical sweep times literary supplement

this fascinating and highly readable study by a noted historian uses maps charts and diagrams to trace the development of the idea of a rational and interconnected material world across two and half millennia

provides behind the scenes accounts of some of history's greatest science discoveries

this is a concise but wide ranging account of all aspects of the scientific revolution from astronomy to zoology the third edition has been thoroughly updated and some sections revised and extended to take into account the latest scholarship and research and new developments in historiography

an essential introductory textbook that shows students how science came to be such an important aspect of modern culture lively and readable it provides a rich historical survey of the major developments in scientific thought from the ancient greeks to the twentieth century john henry also explains how new scientific theories have emerged and analyses their impact on contemporary thinking this is an ideal core text for modules on the history of science medicine and technology or the history and philosophy of science or a supplementary text for broader modules on european history or intellectual history which may be offered at the upper levels of an undergraduate history philosophy or science degree in addition it is a crucial resource for students who may be studying the history of science for the first time as part of a taught postgraduate degree in european history intellectual history science or philosophy

a ten volume set discussing the history of scientific discovery around the world from ancient times to the present

we live in a world made by science how and when did this happen this book tells the story of the extraordinary intellectual and cultural revolution that gave birth to modern science and mounts a major challenge to the prevailing orthodoxy of its history before 1492 it was assumed that all significant knowledge was already available there was no concept of progress people looked for understanding to the past not the future this book argues that the discovery of america demonstrated that new knowledge was possible indeed it introduced the very concept of discovery and opened the way to the invention of science the first crucial discovery was tycho brahe's nova of 1572 proof that there could be change in the heavens the telescope 1610 rendered the old astronomy obsolete torricelli's experiment with the vacuum 1643 led directly to the triumph of the experimental method in the royal society of boyle and newton by 1750 newtonianism was being celebrated throughout europe the new science did not consist simply of new discoveries or new methods it relied on a new understanding of what knowledge might be and with this came a new language discovery progress facts experiments hypotheses theories laws of nature almost all these terms existed before 1492 but their meanings were radically transformed so they became tools with which to think scientifically we all now speak this language of science which was invented during the scientific revolution the new culture had its martyrs bruno galileo its heroes kepler boyle its propagandists voltaire diderot and its patient labourers gilbert hooke it led to a new rationalism killing off alchemy astrology and belief in witchcraft it led to the invention of the steam engine and to the first industrial revolution david wootton's landmark book changes our understanding of how this great transformation came about and of what science is

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during the nineteenth century much of the modern scientific enterprise took shape scientific disciplines were formed institutions and communities were founded and unprecedented applications to and interactions with other aspects of society and culture occurred in this book eleven leading historians of science assess what their field has taught us about this exciting time and identify issues that remain unexamined or require reconsideration they treat both scientific disciplines biology physics chemistry the earth sciences mathematics

and the social sciences in their specific intellectual and sociocultural contexts as well as the broader topics of science and medicine science and religion scientific institutions and communities and science technology and industry providing a much needed overview and analysis of a rapidly expanding field from natural philosophy to the sciences will be essential for historians of science but also of great interest to scholars of all aspects of nineteenth century life and culture contributors bernadette bensaude vincent jed z buchwald david cahan joseph dauben frederick gregory michael hagner sungook hong david r oldroyd theodore m porter robert j richards ulrich wengenroth

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Introduction

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