

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

The Scientists The Scientists Scientists Who Changed History Brief History of Science, a Guide to the History of Science History of Science, History of Text The Invention of Science Scientific History Great Men of Science Introduction to the History of Science Fabulous Science History of Scientific Discovery A Brief History of Science The Canadian Journal of Science, Literature and History 100 Scientists Who Shaped World History Science in the 20th Century and Beyond Calendar, History, and General Summary of Regulations of the Dept. of Science and Art History of the Conflict Between Religion and Science 100 Scientists Who Shaped World History A Companion to the History of Science John Gribbin John Gribbin DK Thomas Crump Roger Turner Karine Chemla David Wootton Elena Aronova Philipp Lenard George Sarton John Waller Arthur Jack Meadows John Gribbin John Hudson Tiner Jon Agar Great Britain. Dept. of Science and Art John William Draper John Hudson Tiner Bernard Lightman

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a wonderfully readable account of scientific development over the past five hundred years focusing on the lives and achievements of individual scientists by the bestselling author of *In Search of Schrödinger's Cat* in this ambitious new book John Gribbin tells the stories of the people who have made science and of the times in which they lived and worked he begins with Copernicus during the renaissance when science replaced mysticism as a means of explaining the workings of the world and he continues through the centuries creating an unbroken genealogy of not only the greatest but also the more obscure names of western science a dot to dot line linking amateur to genius and accidental discovery to brilliant deduction by focusing on the scientists themselves Gribbin has written an anecdotal narrative enlivened with stories of personal drama success and failure a bestselling science writer with an international reputation Gribbin is among the few authors who could even attempt a work of this magnitude praised as a sequence of witty information packed tales and a terrific read by the *Times* upon its recent British publication *The Scientists* breathes new life into such venerable icons as Galileo Isaac Newton Albert Einstein and Linus Pauling as well as lesser lights

whose stories have been undeservedly neglected filled with pioneers visionaries eccentrics and madmen this is the history of science as it has never been told before

john gribbin tells the stories of the people who have made science and of the times in which they lived and worked he begins with copernicus during the renaissance when science replaced mysticism as a means of explaining the workings of the world and he continues through the centuries creating an unbroken genealogy of not only the greatest but also the more obscure names of western science a dot to dot line linking amateur to genius and accidental discovery to brilliant deduction by focusing on the scientists themselves gribbin has written an anecdotal narrative enlivened with stories of personal drama success and failure the scientists breathes new life into such venerable icons as galileo isaac newton albert einstein and linus pauling as well as lesser lights whose stories have been undeservedly neglected filled with pioneers visionaries eccentrics and madmen this is the history of science as it has never been told before publisher description

explore the lives and achievements of more than 85 of the world s most inspirational and influential scientists with this innovative and boldly graphic biography led book the second title in dk s new illustrated biography series scientists profiles trailblazing individuals from greek mathematicians such as archimedes and pythagoras through physicists of the early 20th century such as marie curie and albert einstein to modern greats such as stephen hawking and tim berners lee each featured individual has made a major contribution to one or more scientific fields from physics and astronomy to chemistry biology and psychology and from genetics and computer science to geology and palaeontology combining elements of biography history and analysis scientists who changed history explains the groundbreaking contributions made by these revolutionary men and women in a clear and informative way

this book explores the hypothesis that the types of inscription or text used by a given community of practitioners are designed in the very same process as the one producing concepts and results the book sets out to show how in exactly the same way as for the other outcomes of scientific activity all kinds of factors cognitive as well as cultural technological social or institutional conjoin in shaping the various types of writings and texts used by the practitioners of the sciences to make this point the book opts for a genuinely multicultural approach to the texts produced in the context of practices of knowledge it is predicated on the conviction that in order to approach any topic in the history of science from a theoretical point of view it may be fruitful to consider it from a global perspective the book hence does not only gather papers dealing with geometrical papyri of antiquity sixteenth century french books in algebra seventeenth century scientific manuscripts and paintings eighteenth and nineteenth century memoirs published by european academies or scientific journals and western opera omnia it also considers the problems of interpretation relating to reading babylonian clay tablets sanskrit oral scriptures and chinese books and illustrations thus it enables the reader to explore the diversity of forms which texts have taken in history and the wide range of uses they have inspired this volume will be of interest to historians philosophers of science linguists and anthropologists

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

increasingly scholars in the humanities are calling for a reengagement with the natural sciences taking their cues from recent breakthroughs in genetics and the neurosciences advocates of big history are reassessing long held assumptions about the very definition of history its methods and its evidentiary base in scientific history elena aronova maps out historians continuous engagement with the methods tools values and scale of the natural sciences by examining several waves of their experimentation that surged highest at perceived times of trouble from the crisis ridden decades of the early twentieth century to the ruptures of the cold war the book explores the intertwined trajectories of six intellectuals and the larger programs they set in motion henri berr 1863 1954 nikolai bukharin 1888 1938 lucien febvre 1878 1956 nikolai vavilov 1887 1943 julian huxley 1887 1975 and john desmond bernal 1901 1971 though they held different political views spoke different languages and pursued different goals these thinkers are representative of a larger motley crew who joined the techniques approaches and values of science with the writing of history and who created powerful institutions and networks to support their projects in tracing these submerged stories aronova reveals encounters that profoundly shaped our knowledge of the past reminding us that it is often the forgotten parts of history that are the most revealing

the great biologist louis pasteur suppressed awkward data because it didn t support the case he was making john snow the first epidemiologist was doing nothing others had not done before gregor mendel the supposed founder of genetics never grasped the fundamental principles of mendelian genetics joseph lister s famously clean hospital wards were actually notorious dirty and einstein s general relativity was only confirmed in 1919 because an eminent british scientist cooked his figures these are just some of the revelations explored in this book drawing on current history of science scholarship fabulous science shows that many of our greatest heroes of science were less than honest about their experimental data and not above using friends in high places to help get their ideas accepted it also reveals that the alleged revolutionaries of the history of science were often nothing of the sort prodigiously able they may have been but the epithet of the man before his time

usually obscures vital contributions made their unsung contemporaries and the intrinsic merits of ideas they overturned these distortions of the historical record mostly arise from our tendency

the discoveries and developments in science which have altered the course of history

profiles the scientists who made significant contributions describes their failures and accomplishments and explains how they impacted science and society

science in the twentieth century and beyond provides a much needed overview of the history of science from 1900 to the present day it is the first book to survey modern developments in science during a century of unprecedented change conflict and uncertainty the scope is global and it covers a wide range of disciplines including life sciences information sciences as well as aspects of mathematics engineering and technology and medicine back cover

profiles the scientists who made significant contributions describes their failures and accomplishments and explains how they impacted science and society

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

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Introduction

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