

# Dictionary Of The History Of Science

Brief History of Science,a The Cambridge History of Science: Volume 3, Early Modern Science A Chronology of the History of Science, 1450-1900 An Introduction to the History of Science Main Currents of Scientific Thought The History of Science A Short History of Science to the Nineteenth Century Science in History Guide to the History of Science Reader's Guide to the History of Science A Shorter History of Science A Brief History of Science Rethinking History, Science, and Religion A Little History of Science A Shorter History of Science A Shorter History of Science The Birth of Modern Science Introduction to the History of Science History of Science from 1895 to 1945 The Invention of Science Thomas Crump David C. Lindberg Robert Mortimer Gascoigne Walter Libby Stephen Finney Mason Peter Whitfield Charles Singer J. D. Bernal P. Thomas Carroll Arne Hessenbruch Sir William Cecil Dampier John Gribbin Bernard Lightman William Bynum Sir William Cecil Dampier William Cecil Dampier Dampier Paolo Rossi George Sarton Ray Spangenburg David Wootton

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an account of european knowledge of the natural world c 1500 1700

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

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

donated by sydney harris

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

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

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

first published in 2001 routledge is an imprint of taylor francis an informa company

tells the story of the development of scientific theory from the dawn of history to now the leaps of imagination the intellectual virtuosity and the sheer hard work that has accompanied this pursuit of truth

the historical interface between science and religion was depicted as an unbridgeable conflict in the last quarter of the nineteenth century starting in the 1970s such a conception was too simplistic and not at all accurate when considering the totality of that relationship this volume evaluates the utility of the complexity principle in past present and future scholarship first put forward by historian john brooke over twenty five years ago the complexity principle rejects the idea of a single thesis of conflict or harmony or integration or separation between science and religion rethinking history science and religion brings together an interdisciplinary group of scholars at the forefront of their fields to consider whether new approaches to the study of science and culture such as recent developments in research on science and the history of publishing the global history of science the geographical examination of space and place and science and media have cast doubt on the complexity thesis or if it remains a serviceable historiographical model

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

this history of the birth of modern science shatters the illusion that science is dry and divorced from culture by exploring the powerful clashes between traditions and value systems that gave rise to it the author shows how many of the characteristics that distinguish science today emerged in the midst of the wars and plagues of the seventeenth century and defines what was new about this form of knowledge

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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