

A **SECOND**
EDITION

HISTORY OF WESTERN SCIENCE

ANTHONY M. ALIOTO

A History Of Western Science 2nd Edition

Peipei Pang



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A History of Western Science Rienk Vermij, 2023-12-11 A History of Western Science The Basics offers a short introduction to the history of Western science that is accessible to all through avoiding technical language and mathematical intricacies A coherent narrative of how science developed in interaction with society over time is also provided in this comprehensive guide The first part discusses the period up to 1700 with a focus on the conceptual shift and new ideas about nature that occurred in early modern Europe Part two focusses on the practical and institutional aspects of the scientific enterprise and discusses how science established itself in Western society post 1700s while part three discusses how during the same period modern science has impacted our general view of the world and reviews some of the major discoveries and debates Key topics discussed in the book include Natural philosophy medicine and mathematics in the ancient and medieval worlds The key figures in the history of science Galileo Descartes Isaac Newton Darwin and Einstein as well as lesser known men and women who have developed the field The development of scientific instruments the transformation of alchemy into chemistry weights and measures the emergence of the modern hospital and its effects on medicine and the systematic collection of data on meteorology volcanism and terrestrial magnetism The big questions the origins of humans the nature of reality and the impact of science As a jargon free and comprehensive study of the history of Western science this book is an essential introductory guide for academics and researchers of the history of science as well as general readers interested in learning more about the field

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understanding of which have evolved incrementally over human history This book the second in a roughly chronological series explores the evolution of science from the advents of Christianity and Islam through the Middle Ages focusing especially on the historical relationship between science and religion Specific topics include technological innovations during the Middle Ages Islamic science the Crusades Gothic cathedrals and the founding of Western universities Close attention is given to such figures as Paul the Apostle Hippolytus Lactantius Cyril of Alexandria Hypatia Cosmas Indicopleustes and the Prophet Mohammed

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[The Beginnings of Western Science](#) David C. Lindberg, 2008-04-01 When it was first published in 1992 The Beginnings of Western Science was lauded as the first successful attempt ever to present a unified account of both ancient and medieval science in a single volume Chronicling the development of scientific ideas practices and institutions from pre Socratic Greek philosophy to late Medieval scholasticism David C Lindberg surveyed all the most important themes in the history of science including developments in cosmology astronomy mechanics optics alchemy natural history and medicine In addition he offered an illuminating account of the transmission of Greek science to medieval Islam and subsequently to medieval Europe The Beginnings of Western Science was and remains a landmark in the history of science shaping the way students and scholars understand these critically formative periods of scientific development It reemerges here in a second edition that includes revisions on nearly

every page as well as several sections that have been completely rewritten For example the section on Islamic science has been thoroughly retooled to reveal the magnitude and sophistication of medieval Muslim scientific achievement And the book now reflects a sharper awareness of the importance of Mesopotamian science for the development of Greek astronomy In all the second edition of *The Beginnings of Western Science* captures the current state of our understanding of more than two millennia of science and promises to continue to inspire both students and general readers

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