

Making Modern Science A Historical Survey

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Making Modern Science A Historical

Yet most people still found androids creepy, thanks to some genetic quirk of humanity that LNR's artels had yet to crack. Unless the rumours were true, and they'd perfected an android so realistic ...

Make Humanity Great Again!

The Birth of Modern Science It was in the 17th ... out the time-scale of some of the major events in Earth history and developments in science and technology. It shows something of the parallel ...

A Brief History of Science

After decades of myth making, C.G. Jung remains one of the most misunderstood figures in Western intellectual history. This comprehensive study of the origins of his psychology provides a new ...

Jung and the Making of Modern Psychology

A giant comet found far out in the solar system may be 1,000 times more massive than a typical comet, making it potentially the largest ever found in modern times. The object, officially designated a ...

Newly found mega comet may be the largest seen in recorded history

We live in a world profoundly shaped by science and technology. Yet few are equipped to analyse these aspects of the modern world, understand how they ... The module introduces students to history of ...

HST4625 ▯ Controversies of Science and Technology in the Making of the Modern World

The Biden administration made history earlier this year by elevating the director of the Office of Science and Technology Policy to a cabinet-level post. There have long been science advisory bodies ...

Is it time for a US Department of Science?

a place that perhaps already housed and protected the archives and artefacts of modern Chinese IT history. A place that would be able to make them available to researchers and students.

Why is the world's largest collection on China's modern IT history in the US?

Integrated care for both physical and behavioral health is necessary for improved care coordination that leads to positive health outcomes for patients.

A Historical Perspective on the Integrated Care Model

A poetic thread drawing on the language of 17th century scientists to explore modern love, marriage and the passing of time is at the heart of Bryan Walpert's new poetry collection.

Old science and modern love meet in new poems

Wernher von Braun's crew built Saturn rockets here. Skylab, Hubble and Chandra all had roots here. Now, Marshall Space Flight Center tests rocket bodies for Artemis and engines for Blue Origin.

NASA's Marshall Space Flight Center: A hub for historic and modern-day rocket power

You can change your preferences at any time by returning to this site or visit our privacy policy. How has the way in which we understand the menopause evolved over time? Susan P Mattern investigates ...

A time of change: a history of our understanding of the menopause

In the Viking village of Ravensthorpe, a longhouse hosts feasts and events. Men in the community engage in [fllying] (a war of insults) or [holmgang] (a dispute-settling duel) or compete to quaff the ...

Pushing the Right Buttons: Professor Uses Video Games as a Gateway to History

What do archivists do when they're not in the archives? Last summer, in addition to making digital collections available to researchers all over the world, National Air and Space Museum archivists ...

How Many Quarts of Tomato Soup?! Modern Takes on Historical Recipes from the Benjamin O. Davis Collection

Mathematics and anthropology seem to stand on the opposite ends of a spectrum about the degree to which the phenomena they study are fundamentally human.

A Cognitive History of Numerals

Birds are drag queens in the sky. I say it in a funny way, but I mean it literally because [in most bird species] the males are more colorful and decorative than the females.▯ How Pattie Gonia shares ...

A Brief History of Avian Drag

Only since the mid-1800s have child mortality rates dropped, a profound change in the human condition ...

A Modern Miracle: The Survival of Children

Personal finance tech companies are most successful when they meet consumer needs through products traditional banks don't offer. Square and Venmo offer more seamless ways to exchange payments between ...

How Using Behavioral Science In Fintech Can Change How Individuals And Couples Save Money

Submit abstracts of 200-250 words in English or French and a brief bio at the NeMLA website by September 30, 2021: ...

The development of science, according to respected scholars Peter J. Bowler and Iwan Rhys Morus, expands our knowledge and control of the world in ways that affect-but are also affected by-society and culture. In *Making Modern Science*, a text designed for introductory college courses in the history of science and as a single-volume introduction for the general reader, Bowler and Morus explore both the history of science itself and its influence on modern thought. Opening with an introduction that explains developments in the history of science over the last three decades and the controversies these initiatives have engendered, the book then proceeds in two parts. The first section considers key episodes in the development of modern science, including the Scientific Revolution and individual accomplishments in geology, physics, and biology. The second section is an analysis of the most important themes stemming from the social relations of science-the discoveries that force society to rethink its religious, moral, or philosophical values. *Making Modern Science* thus chronicles all major developments in scientific thinking, from the revolutionary ideas of the seventeenth century to the contemporary issues of evolutionism, genetics, nuclear physics, and modern cosmology. Written by seasoned historians, this book will encourage students to see the history of science not as a series of names and dates but as an interconnected and complex web of relationships between science and modern society. The first survey of its kind, *Making Modern Science* is a much-needed and accessible introduction to the history of science, engagingly written for undergraduates and curious readers alike.

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In this new edition of the top-selling coursebook, seasoned historians Peter J. Bowler and Iwan Rhys Morus expand on their authoritative survey of how the development of science has shaped our world. Exploring both the history of science and its influence on modern thought, the authors chronicle the major developments in scientific thinking, from the revolutionary ideas of the seventeenth century to contemporary issues in genetics, physics, and more. Designed for entry-level college courses and as a single-volume introduction for the general reader, this book presents the history of science not as a series of names and dates but as an interconnected and complex web of relationships joining science and society. Thoroughly revised and expanded, the second edition draws on the latest research and scholarship. It also contains two entirely new chapters: one that explores the impact of computing on the development of science and another that surveys the complex interaction of Western science with the cultures of the rest of the world.

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The 67 chapters of this book describe and analyse the development of Western science from 1500 to the present day. Divided into two major sections - 'The Study of the History of Science' and 'Selected Writings in the History of Science' - the volume describes the methods and problems of research in the field and then applies these techniques to a wide range of fields. Areas covered include: * the Copernican Revolution * Genetics * Science and Imperialism * the History of Anthropology * Science and Religion * Magic and Science. The companion is an indispensable resource for students and professionals in History, Philosophy, Sociology and the Sciences as well as the History of Science. It will also appeal to the general reader interested in an introduction to the subject.

Winner of the Ludwik Fleck Book Prize, Society for Social Studies of Science, 1995 "Schiebinger lays bare the cultural narratives that mix so easily with science. They are at the same time hilarious and eerie, silly and profoundly disturbing. Schiebinger is brilliant in showing how tales of gender and race are told in other guises."--Thomas Laqueur, author of *Making Sex: Body and Gender from the Greeks to Freud* "[Nature's Body] is so wonderfully humorous and is done with such careful attention to detail, the reader cannot help but see the profound implications of the history of science for modern science. Indispensable for all anthropologists, historians, philosophers, and practitioners of science."--Emily Martin, author of *The Woman in the Body* Eighteenth-century natural historians created a peculiar, and peculiarly durable, vision of nature--one that embodied the sexual and racial tensions of that era. When plants were found to reproduce sexually, eighteenth-century botanists ascribed to them passionate relations, polyandrous marriages, and suicidal incest, and accounts of steamy plant sex began to infiltrate the botanical literature of the day. Naturalists also turned their attention to the great apes just becoming known to eighteenth-century Europeans, clothing the females in silk vestments and training them to sip tea with the modest demeanor of English matrons, while imagining the males of the species fully capable of ravishing women. Written with humor and meticulous detail, *Nature's Body* draws on these and other examples to uncover the ways in which assumptions about gender, sex, and race have shaped scientific explanations of nature. Schiebinger offers a rich cultural history of science and a timely and passionate argument that science must be restructured in order to get it right.

The *Origins of Modern Science* is the first synthetic account of the history of science from antiquity through the Scientific Revolution in many decades. Providing readers of all backgrounds and students of all disciplines with the tools to study science like a historian, Ofer Gal covers everything from Pythagorean mathematics to Newton's *Principia*, through Islamic medicine, medieval architecture, global commerce and magic. Richly illustrated throughout, scientific reasoning and practices are introduced in accessible and engaging ways with an emphasis on the complex relationships between institutions, beliefs and political structures and practices. Readers gain valuable new insights into the role that science plays both in history and in the world today, placing the crucial challenges to science and technology of our time within their historical and cultural context.

A wide-ranging exploration of how music has influenced science through the ages, from fifteenth-century cosmology to twentieth-century string theory. In the natural science of ancient Greece, music formed the meeting place between numbers and perception; for the next two millennia, Pesic tells us in *Music and the Making of Modern Science*, [liberal education] connected music with arithmetic, geometry, and astronomy within a fourfold study, the quadrivium. Peter Pesic argues provocatively that music has had a formative effect on the development of modern science!that music has been not just a charming accompaniment to thought but a conceptual force in its own right. Pesic explores a series of episodes in which music influenced science, moments in which prior developments in music arguably affected subsequent aspects of natural science. He describes encounters between harmony and fifteenth-century cosmological controversies, between musical initiatives and irrational numbers, between vibrating bodies and the emergent electromagnetism. He offers lively accounts of how Newton applied the musical scale to define the colors in the spectrum; how Euler and others applied musical ideas to develop the wave theory of light; and how a harmonium prepared Max Planck to find a quantum theory that reengaged the mathematics of vibration. Taken together, these cases document the peculiar power of music's autonomous force as a stream of experience, capable of stimulating insights different from those mediated by the verbal and the visual. An innovative e-book edition available for iOS devices will allow sound examples to be played by a touch and shows the score in a moving line.

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