

THE PATRONAGE OF SCIENCE
IN THE NINETEENTH CENTURY

by

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Patronage Of Science In The Nineteenth Century

Hugh Richard Slotten



Patronage Of Science In The Nineteenth Century:

The patronage of science in the nineteenth century G. L. E. Turner, 1976 The Patronage of Science in the Nineteenth Century Robert Fox, 1976 *The Patronage of Science in the Nineteenth Century*, 1976 **The Patronage of Science in the Nineteenth Century: Joint Conference of the British Society for the History of Science and the Past and Present Society, on Friday, 14 April 1972, in the Royal Society, London: Conference Papers** London Joint conference on the patronage of science in the nineteenth century, 1972 **Scientific Advice to the Nineteenth-Century British State** Roland Jackson, 2023-11-14 In twenty first century Britain scientific advice to government is highly organized integrated across government departments and led by a chief scientific adviser who reports directly to the prime minister But at the end of the eighteenth century when Roland Jackson's account begins things were very different With this book Jackson turns his attention to the men of science of the day who derived their knowledge of the natural world from experience observation and experiment focusing on the essential role they played in proffering scientific advice to the state and the impact of that advice on public policy At a time that witnessed huge scientific advances and vast industrial development and as the British state sought to respond to societal economic and environmental challenges practitioners of science engineering and medicine were drawn into close involvement with politicians Jackson explores the contributions of these emerging experts the motivations behind their involvement the forces that shaped this new system of advice and the legacy it left behind His book provides the first detailed analysis of the provision of scientific engineering and medical advice to the nineteenth century British government parliament the civil service and the military **Patronage, Politics, and Practice in Nineteenth-century American Science** Hugh Richard Slotten, 1991 *Patronage, Practice, and the Culture of American Science* Hugh Richard Slotten, 1994-06-24 In this book Hugh Richard Slotten explores the institutional and cultural history of science in the United States The main focus is on the activities of Alexander Dallas Bache great grandson of Benjamin Franklin and the acknowledged chief of the American scientific community during the second third of the nineteenth century Bache played a central role in the organization and management of a number of key scientific institutions including the American Association for the Advancement of Science the Smithsonian Institution and the National Academy of Sciences But his dominance in these institutions was made possible through his control of an organization less well known today the United States Coast Survey which he superintended from 1843 until his death in 1867 Under Bache's command the Coast Survey became the central scientific institution in antebellum America Using richly detailed archival records Slotten pursues an analysis of Bache and the Coast Survey that illuminates important historiographic themes We gain a better understanding of the particular style of nineteenth century American science by examining the role of the Coast Survey as a source of patronage Perhaps most important this study explores the ways in which scientific knowledge and practice are embedded within local contexts Although Bache sought to use the Coast Survey to raise the status of American science partly

by emulating European scientific elites his efforts also reflected the cultural and political values of antebellum America Slotten thus analyzes the interrelationship between political culture patterns of patronage and the institutional practice of science in the United States

Bibliography of the History of Medicine, 1979

Scientists and Swindlers Paul Lucier, 2022-02-03 An insightful account of the early fossil fuel industry the rise of the professional consultant and the nexus between science and money Technology and Culture In this impressively researched highly original work Paul Lucier explains how science became an integral part of American technology and industry in the nineteenth century Scientists and Swindlers introduces us to a new service of professionals the consulting scientists Lucier follows these entrepreneurial men of science on their wide ranging commercial engagements from the shores of Nova Scotia to the coast of California and shows how their innovative work fueled the rapid growth of the American coal and oil industries and the rise of American geology and chemistry Along the way he explores the decisive battles over expertise and authority the high stakes court cases over patenting research the intriguing and often humorous exploits of swindlers and the profound ethical challenges of doing science for money Starting with the small surveying businesses of the 1830s and reaching to the origins of applied science in the 1880s Lucier recounts the complex and curious relations that evolved as geologists chemists capitalists and politicians worked to establish scientific research as a legitimate regularly compensated and respected enterprise This sweeping narrative enriches our understanding of how the rocks beneath our feet became invaluable resources for science technology and industry

Governance of Biotechnology in Post-Soviet Russia Tatyana Novossiolova, 2017-07-19 This book provides an up to date analysis of the governance of biotechnology in post Soviet Russia The rapid advancement of the life sciences over the past few decades promises to bring tremendous benefits but also raises significant social ethical legal and security risks Nations adaptability to the twin challenges of attempting to secure the benefits while reducing the risks and threats is a large and still burgeoning governance challenge Here Novossiolova cuts across several sets of literature bringing together elements of the anthropological study of culture history of science and technology management and international governance and Soviet history and politics Due to its multidisciplinary approach in depth analysis accessible style and extensive reference list this text offers invaluable insights into the normative dimensions of the governance of biotechnology unpacking both the formal and intangible attributes and artefacts of biotechnology policy and practice in Russia

The Patronage of Science in the Nineteenth Century Robert Fox, 1972

The X Club Ruth Barton, 2018-11-21 In 1864 amid headline grabbing heresy trials members of the British Association for the Advancement of Science were asked to sign a declaration affirming that science and scripture were in agreement Many criticized the new test of orthodoxy nine decided that collaborative action was required The X Club tells their story These six ambitious professionals and three wealthy amateurs J D Hooker T H Huxley John Tyndall John Lubbock William Spottiswoode Edward Frankland George Busk T A Hirst and Herbert Spencer wanted to guide the development of science and public opinion on

issues where science impinged on daily life religious belief and politics They formed a private dining club which they named the X Club to discuss and further their plans As Ruth Barton shows they had a clear objective they wanted to promote scientific habits of mind which they sought to do through lectures journalism and science education They devoted enormous effort to the expansion of science education with real but mixed success For twenty years the X Club was the most powerful network in Victorian science the men succeeded each other in the presidency of the Royal Society for a dozen years Barton's group biography traces the roots of their success and the lasting effects of their championing of science against those who attempted to limit or control it along the way shedding light on the social organization of science the interactions of science and the state and the places of science and scientific men in elite culture in the Victorian era **Utopia's Garden** E. C. Spary, 2010-12-15 The royal Parisian botanical garden the Jardin du Roi was a jewel in the crown of the French Old Regime praised by both rulers and scientific practitioners Yet unlike many such institutions the Jardin not only survived the French Revolution but by 1800 had become the world's leading public establishment of natural history the Muséum d'Histoire Naturelle E. C. Spary traces the scientific administrative and political strategies that enabled the foundation of the Muséum arguing that agriculture and animal breeding rank alongside classification and collections in explaining why natural history was important for French rulers But the Muséum's success was also a consequence of its employees Revolutionary rhetoric by displaying the natural order they suggested the institution could assist in fashioning a self-educating self-policing Republican people Natural history was presented as an indispensable source of national prosperity and individual virtue Spary's fascinating account opens a new chapter in the history of France science and the Enlightenment **Second Chance** Werner Eugen Mosse, Julius Carlebach, 1991 Science, Enlightenment and Revolution Dorinda Outram, 2021-10-01 Science Enlightenment and Revolution brings together thirteen papers by renowned historian Dorinda Outram Published between 1976 and 2019 and scattered in a variety of journals and collected volumes these articles are published together here for the first time During her distinguished career Outram has made significant contributions to the history of science to the history and historiography of the Enlightenment to gender history to the history of geographical exploration and to the historical uses of language This volume also includes other writings by Outram comprising an unpublished introduction in the form of an intellectual autobiography Placing this together with her collected academic papers offers readers an overview of her development as an historian and a writer This book is important reading for scholars and students of early modern Europe as well as those interested in the Enlightenment the French Revolution and gender studies CS 1101 **Understanding the Oceans** Margaret Deacon, Tony Rice, Colin Summerhayes, 2000-12-21 Understanding the Oceans brings together an internationally distinguished group of authors to consider the enormous advances in marine science that have been achieved since the voyages of HMS Challenger a century ago The book draws inspiration from the seminal contribution made by the research conducted on those voyages and each contributor considers the significance of the findings relating them to the

exciting developments of today and tomorrow **Science and Religion** Gary B. Ferngren, 2013-06-17 Written by distinguished historians of science and religion the thirty essays in this volume survey the relationship of Western religious traditions to science from the beginning of the Christian era to the late twentieth century This wide ranging collection also introduces a variety of approaches to understanding their intersection suggesting a model not of inalterable conflict but of complex interaction Tracing the rise of science from its birth in the medieval West through the scientific revolution the contributors describe major shifts that were marked by discoveries such as those of Copernicus Galileo and Isaac Newton and the Catholic and Protestant reactions to them They assess changes in scientific understanding brought about by eighteenth and nineteenth century transformations in geology cosmology and biology together with the responses of both mainstream religious groups and such newer movements as evangelicalism and fundamentalism The book also treats the theological implications of contemporary science and evaluates recent approaches such as environmentalism gender studies social construction and postmodernism which are at the center of current debates in the historiography understanding and application of science Contributors Colin A Russell David B Wilson Edward Grant David C Lindberg Alnoor Dhanani Owen Gingerich Richard J Blackwell Edward B Davis Michael P Winship John Henry Margaret J Osler Richard S Westfall John Hedley Brooke Nicolaas A Rupke Peter M Hess James Moore Peter J Bowler Ronald L Numbers Steven J Harris Mark A Noll Edward J Larson Richard Olson Craig Sean McConnell Robin Collins William A Dembski David N Livingstone Sara Miles and Stephen P Weldon **Australian Science in the Making** R. W. Home, Roderick Weir Home, 1990-09-28 In this 1989 volume the Australian Academy of Science celebrates and assesses two centuries of Australian science *Fathoming the Ocean* Helen M. Rozwadowski, 2008-03-31 By the middle of the nineteenth century as scientists explored the frontiers of polar regions and the atmosphere the ocean remained silent and inaccessible The history of how this changed of how the depths became a scientific passion and a cultural obsession an engineering challenge and a political attraction is the story that unfolds in *Fathoming the Ocean* In a history at once scientific and cultural Helen Rozwadowski shows us how the Western imagination awoke to the ocean s possibilities in maritime novels in the popular hobby of marine biology in the youthful sport of yachting and in the laying of a trans Atlantic telegraph cable The ocean emerged as important new territory and scientific interests intersected with those of merchant industrialists and politicians Rozwadowski documents the popular crazes that coincided with these interests from children s sailor suits to the home aquarium and the surge in ocean travel She describes how beginning in the 1860s oceanography moved from yachts onto the decks of oceangoing vessels and landlubber naturalists found themselves navigating the routines of a working ship s physical and social structures *Fathoming the Ocean* offers a rare and engaging look into our fascination with the deep sea and into the origins of oceanography origins still visible in a science that focuses the efforts of physicists chemists geologists biologists and engineers on the common enterprise of understanding a vast three dimensional alien space **The Oxford Companion to United States History** Paul S.

Boyer, 2001-07-04 Here is a volume that is as big and as varied as the nation it portrays With over 1 400 entries written by some 900 historians and other scholars it illuminates not only America s political diplomatic and military history but also social cultural and intellectual trends science technology and medicine the arts and religion Here are the familiar political heroes from George Washington and Benjamin Franklin to Abraham Lincoln Woodrow Wilson and Franklin D Roosevelt But here too are scientists writers radicals sports figures and religious leaders with incisive portraits of such varied individuals as Thomas Edison and Eli Whitney Babe Ruth and Muhammed Ali Black Elk and Crazy Horse Margaret Fuller Emma Goldman and Marian Anderson even Al Capone and Jesse James The Companion illuminates events that have shaped the nation the Great Awakening Bunker Hill Wounded Knee the Vietnam War major Supreme Court decisions Marbury v Madison Roe v Wade landmark legislation the Fugitive Slave Law the Pure Food and Drug Act social movements Suffrage Civil Rights influential books The Jungle Uncle Tom s Cabin ideologies conservatism liberalism Social Darwinism even natural disasters and iconic sites the Chicago Fire the Johnstown Flood Niagara Falls the Lincoln Memorial Here too is the nation s social and cultural history from Films Football and the 4 H Club to Immigration Courtship and Dating Marriage and Divorce and Death and Dying Extensive multi part entries cover such key topics as the Civil War Indian History and Culture Slavery and the Federal Government A new volume for a new century The Oxford Companion to United States History covers everything from Jamestown and the Puritans to the Human Genome Project and the Internet from Columbus to Clinton Written in clear graceful prose for researchers browsers and general readers alike this is the volume that addresses the totality of the American experience its triumphs and heroes as well as its tragedies and darker moments

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web various types of earthing are mentioned below plate earthing pipe earthing strip earthing plate earthing the most efficient way of earthing is plate earthing which involves installing a galvanized copper plate 3m deep in

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web jul 12 2021 plate earthing in this method as illustrated in fig 1 the earth wire is securely bolted to the earth plate either of copper minimum size 60 cm 60 cm 3 18 mm or of galvanized iron minimum size 60 cm 60 cm 6 35 mm buried in the ground to the depth of 3 m

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web feb 27 2023 plate earthing is a type of electrical earthing in which a metal plate is buried in the ground and connected to the electrical system the plate used for earthing is typically made of copper steel or galvanized iron the size of the plate depends on the type of soil current to be grounded and other factors

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