

Silvio A. Bedini

Patterns, Artifacts and
Instruments of Science,
1600-1750

Patrons Artisans And Instruments Of Science 1600 1750 Variorum Collected Studies

Christian Drosten



Patrons Artisans And Instruments Of Science 1600 1750 Variorum Collected Studies:

Patrons, Artisans, and Instruments of Science, 1600-1750 Silvio A. Bedini, 1999 This second volume by Silvio Bedini pursues themes set out in his previous collection the main focus is again on Italy but the scope is broadened to include other parts of Europe Three elements combined in the evolution and production of scientific instruments purpose or function the patron and the artisans The first studies here look at the patrons of science the collections they established and their evolution into museums and then at some of the artisans who made fine instruments The second section deals with techniques and instruments With the adoption of mathematical techniques for measurement of time in navigation and surveying and weighing came the development of tools which grew in precision to the degree that they became part of science From the toys and curiosities of princes and wealthy prelates instruments became more functional in response to the new requirements resulting from each new discovery

Science, Politics and Universities in Europe, 1600-1800 John Gascoigne, 2024-10-28 This book seeks to illustrate the interconnections of science and philosophy with religion and politics in the early modern period by focusing on the institutional dynamics of the university Much of the work is devoted to one key university that of Cambridge and examines the major issues of the institutional setting of Newton's work the religious and political circumstances that favoured its dissemination and the way in which it was dealt with in the curriculum But the author also seeks to place the problem of the role of science in the early modern university in a larger European context To do so he includes a close prosopographical analysis of the scientific community from the mid 15th TO the end of the 18th century and discusses the complex relations between the universities and the Enlightenment

Renaissance Astrolabes and their Makers Gerard L'E. Turner, 2024-10-28 This book is about the archaeology of science or what can be learnt from the systematic examination of the artefacts made by precision craftsmen for the study of the natural world An international authority on historical scientific instruments Gerard Turner has collected here his essays on European astrolabes and related topics By 1600 the astrolabe had nearly ceased to be made and used in the West and before that date there was little of the source material for the study of instruments that exists for more modern times It is necessary to read the instruments themselves and astrolabes in particular are rich in all sorts of information mathematical astronomical metallurgical in addition to what they can reveal about craftsmanship the existence of workshops and economic and social conditions There is a strong forensic element in instrument research and Gerard Turner's achievements include the identification of three astrolabes made by Gerard Mercator all of whose instruments were thought to have been destroyed Other essays deal with the discovery of an important late 16th century Florentine workshop and of a group of mid 15th century German astrolabes linked to Regiomontanus

Science in the Public Sphere Richard Yeo, 2024-10-28 The common focus of the essays in this book is the debate on the nature of science often referred to by contemporaries as natural knowledge in Britain during the first half of the 19th century This was the period before major state support for science allowed its professionalization indeed

it was a time in which the word scientist although coined in 1833 by William Whewell was not yet widely used In this context the questions about the nature of science were part of a public debate that included the following topics scientific method and intellectual authority the moral demeanour of the man of science the hierarchy of specialised scientific disciplines and the relation with natural theology These topics were discussed both within scientific circles in correspondence and meeting of societies as well as in the wider public sphere constituted by quarterly journals and encyclopaedias A study of these debates allow us to see how British science of this period began to cast loose some of its earlier theological supports but still relied on a moral framework to affirm its distinctive method ethos and cultural value

Women's Healthcare in the Medieval West Monica H. Green, 2024-10-28 In this collection of seven major essays one of them published here for the first time Monica Green argues that a history of women s healthcare in medieval western Europe has not yet been written because it cannot yet be written the vast majority of texts relating to women s healthcare have never been edited or studied Using the insights of women s history and gender studies Green shows how historians need to peel off the layers of unfounded assumption and stereotype that have characterized the little work that has been done on medieval women s healthcare Seen in their original contexts medieval gynecological texts raise questions of women s activity as healthcare providers and recipients as well as questions of how the sexual division of labor literacy and professionalization functioned in the production and use of medical knowledge on the female body An appendix lists all known medieval gynecological texts in Latin and the western European vernacular languages

The Journal of Medieval and Early Modern Studies ,2001

The "creed of Science" in Victorian England Roy M. MacLeod, 2000 The nineteenth century which saw the triumph of the idea of progress and improvement saw also the triumph of science as a political and cultural force In England as science and its methods claimed privilege and space its language acquired the vocabulary of religion The new creed of science embraced what John Tyndall called the scientific movement it was in the language of T H Huxley a militant creed The march of invention the discoveries of chemistry and the wonders of steam and electricity culminated in a crusade against ignorance and unbelief It was a creed that looked to its own apostolic succession from Copernicus Galileo and the martyrs of the scientific revolution Yet it was a creed whose doctrines were divisive and whose convictions resisted Alongside arguments for materialism utility positivism and evolutionary naturalism persisted reservations about the nature of man the role of ethics and the limits of scientific method These essays discuss leading strategists in the scientific movement of late Victorian England At the same time they show how science established served not only the scientific community but also the interests of imperial and colonial powers

Journal of Astronomical History and Heritage ,1999

The Jews and the Sciences in the Middle Ages Y. Tzvi Langermann, 1999 The aim of this volume is to explore Jewish participation in the scientific enterprise of the Middle Ages It looks at the way in which Jews saw scientific knowledge as well as the contributions made by particular Jewish scholars

Sciences of the Earth David Roger Oldroyd, 1998 Sciences of the Earth

first presents a connected series of papers on the history of mineralogy in relation to chemistry from the Renaissance to the beginning of the 19th century It considers some of the important philosophical ideas that underpinned early thinking about minerals and earths and also the practicalities of mineral analysis Other papers in the volume examine the influence of historicist thinking in the emergence of historical geology the application of Michel Foucault's ideas to the mineral kingdom the geological ideas of Robert Hooke with reference to his views on scientific method the problem of Whig history of science considering as example Archibald Geikie's work as historian of geology and the application of grid group theory to early 19th century English geology To open there is a paper dealing with a Roman theory of volcanic activity little known to historians of science

International Bibliography of Book Reviews of Scholarly Literature Chiefly in the Fields of Arts and Humanities and the Social Sciences, 2000 **Forthcoming Books** Rose Arny, 1999 **American Book Publishing Record**, 1999

Nuncius, 2000 *Annali di storia della scienza* *Schrifttum zur deutschen Kunst*, 2000 **Artisans and Instruments, 1300-1800?** François Charette, 2006 **Artisan/practitioners and the Rise of the New Sciences, 1400-1600** Pamela O. Long, 2011 *Artisan Practitioners* offers an introduction to the history of science through new discussion of an influential thesis in the discipline The Zilsel thesis argues that artisans craftsmen and other practitioners exerted an important influence on the development of empirical methodologies in the Scientific Revolution the new sciences of the late sixteenth and seventeenth centuries

Science and Instruments in Seventeenth-century Italy Silvio A. Bedini, 1994 Ten articles published over the course of 30 years focus on the role of the mathematical practitioners who made the early optical instruments of 17th century Italy and the men who used them for scientific discovery They discuss the instruments of Galileo Giuseppe Campini and Bernardo Facini and the Vatican's astronomical paintings science collections and compound microscopes Also included is a translation of a brief manuscript from the period describing how to make a wooden tube for a telescope it is anonymous but may be by Campini Annotation copyright by Book News Inc Portland OR

European Collections of Scientific Instruments, 1550-1750 Giorgio Strano, 2009 These selected studies on sixteenth and eighteenth centuries European collections of scientific instruments which were part of the princely wunderkammern delineate an up to date panorama about the formation of the most important museums of the history of science

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