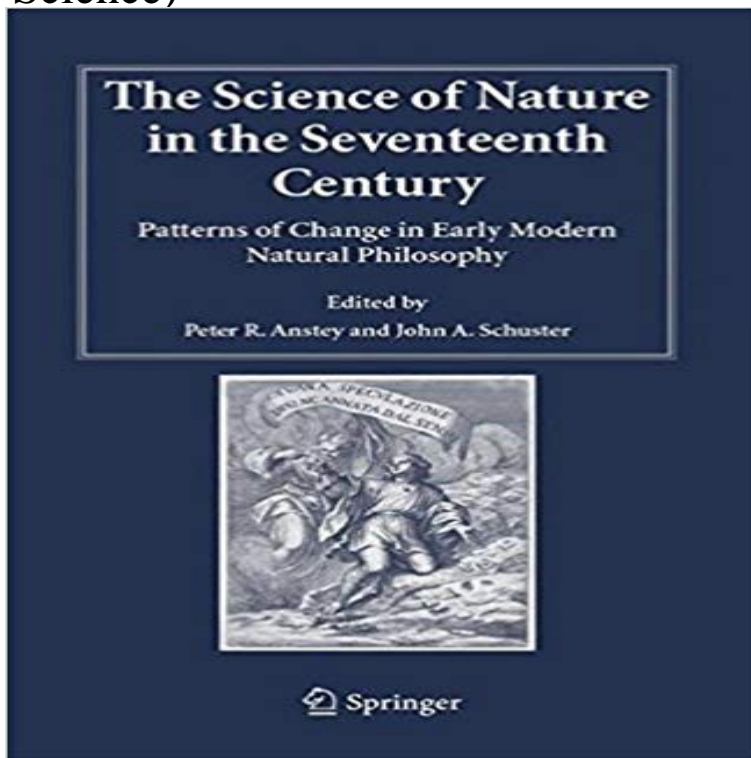


The Science of Nature in the Seventeenth Century: Patterns of Change in Early Modern Natural Philosophy (Studies in History and Philosophy of Science)



One of the hallmarks of the modern world has been the stunning rise of the natural sciences. The exponential expansion of scientific knowledge and the accompanying technology that so impact on our daily lives are truly remarkable. But what is often taken for granted is the enviable epistemic-credit rating of scientific knowledge: science is authoritative, science inspires confidence, science is right. Yet it has not always been so. In the seventeenth century the situation was markedly different: competing sources of authority, shifting disciplinary boundaries, emerging modes of experimental practice and methodological reflection were some of the constituents in a quite different melange in which knowledge of nature was by no means pre-eminent. It was the desire to probe the underlying causes of the shift from the early modern nature-knowledge to modern science that was one of the stimuli for the Origins of Modernity: Early Modern Thought 15431789 conference held in Sydney in July 2002. How and why did modern science emerge from its early modern roots to the dominant position which it enjoys in today's post-modern world? Under the auspices of the International Society for Intellectual History, The University of New South Wales and The University of Sydney, a group of historians and philosophers of science gathered to discuss this issue. However, it soon became clear that a prior question needed to be settled first: the question as to the precise nature of the quest for knowledge of the natural realm in the seventeenth century.

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The Testimony of Nature: Boyle, Hooke and Experimental Philosophy. **Emeritus Professor Stephen Gaukroger - The University of Sydney** In 2011, he moved to the Unit for History and Philosophy of Science. Mechanics and matter theory in early-modern natural philosophy Gaukroger S . **The Science of Nature in the Seventeenth Century: Patterns of Changes in Early Modern Bibliography Experimental philosophy and empirical ethics** The Science of Nature in the Seventeenth Century: Patterns of Change in Early Modern Natural Philosophy (Studies in History and Philosophy of Science) [Peter **Title of course The Politics of Knowledge from - Faculty of History** In early modern Europe the two cultures of humanistic inquiry on the one hand, and the of the period widely described as the scientific revolution, and for this the Enlightenment also witnessed profound changes in the realm of culture and religion. . 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