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Titolo	Daniele Barbaro's Vitruvius of 1567 // edited by Kim Williams
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ISBN	3-030-04043-7
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (947 pages)
Disciplina	720
Soggetti	Science - History Architecture - History Mathematics Arts Architecture - Mathematics Music - Mathematics History of Science Architectural History and Theory Mathematics in Art and Architecture Mathematics in Music
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	On What Machine Is, How It Differs from Instrument, and On Its Origin and Necessities -- On the Tractive Machinations of Sacred Temples and Public Works -- On Diverse Names of Machines and How They Are Erected -- On a Machine Similar to That Explained Above With Which Greater Things Are Made by Merely Changing the Windlass into a Drum -- On Another Sort of Machine or Pulling -- On an Ingenious Theory of Ctesifonte for Transporting Weights -- om which the Ephesian Temple of Diana was Built -- On the Straight and Circular Motions that are Required to Lift Weights -- On the Sorts of Instruments for Raising Water, and First the Water Wheel -- On the wheels and drums for milling flour -- On the Screw that Raises Great Quantities of Water, But Not Very High -- On the Machine Made by Ctesibius that Raises Water Very High -- On the Hydraulic Machines Used to Make Organs -- The

Theory for Measuring a Journey Made by Carriage or by Ship -- On the Theories of Catapults and Scorpions -- On the Theories of Ballistae -- On the Proportions of the Stones that Must Be Drawn to the Hole of the Ballista -- On the Tempering and Loading of Ballistae and Catapults -- On Things for Assailing and Defending, and First on the Invention of the Ram and its Machine -- On the Apparatus of the Tortoise for Ditches -- On Other Tortoises -- The Peroration of the Entire Work.

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Sommario/riassunto

This is the first-ever English translation of Daniele Barbaro's 1567 Italian translation of and commentary on Vitruvius's Ten Books of Architecture, an encyclopaedic treatment of science and technology whose influence extended far beyond its day. Intended to both interpret and expand upon the Vitruvian text, Barbaro's erudite commentary reflects his Aristotelian approach, particularly his fascination with the relationship between science and the arts. This treatise offers a window onto the architectural ideals of the 1500s, as well as then-current notions of philosophy, mathematics, music, astronomy, mechanics, and more. The text is accompanied by illustrations by the Renaissance architect Andrea Palladio and his contemporaries. Palladio's own Four Books on Architecture, published in 1570, was just one of many treatises on architecture that was inspired by the ideas contained here. An overview of Daniele Barbaro's thinking is presented in a foreword by Branko Mitrović. The collocation of Barbaro's treatise between those of Alberti and Palladio is addressed in a foreword by Robert Tavernor. Kim Williams provides a translator's note to orient the reader. The text of the translation is cross-referenced to both Barbaro's 1567 publication and standard divisions of Vitruvius. The volume includes a detailed index of subjects and an index of proper names.

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