

1. Record Nr.	UNINA9910826570503321
Autore	Westman Robert S
Titolo	The Copernican question : prognostication, skepticism, and celestial order / / Robert S. Westman
Pubbl/distr/stampa	Berkeley, : University of California Press, c2011
ISBN	1-283-27745-X 9786613277459 0-520-94816-5
Edizione	[1st ed.]
Descrizione fisica	1 online resource (702 p.)
Collana	The Fletcher Jones Foundation humanities imprint
Disciplina	520.94/09031
Soggetti	Astronomy, Renaissance - Europe - History - 16th century Science - Philosophy - Europe - History - 16th century
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front matter -- Contents -- Illustrations -- Preface and Acknowledgments -- Introduction -- 1. The Literature of the Heavens and the Science of the Stars -- 2. Constructing the Future -- 3. Copernicus and the Crisis of the Bologna Prognosticators, 1496-1500 -- 4. Between Wittenberg and Rome: The New System, Astrology, and the End of the World -- 5. The Wittenberg Interpretation of Copernicus's Theory -- 6. Varieties of Astrological Credibility -- 7. Foreknowledge, Skepticism, and Celestial Order in Rome -- 8. Planetary Order, Astronomical Reform, and the Extraordinary Course of Nature -- 9. The Second-Generation Copernicans: Maestlin and Digges -- 10. A Proliferation of Readings -- 11. The Emergence of Kepler's Copernican Representation -- 12. Kepler's Early Audiences, 1596-1600 -- 13. The Third-Generation Copernicans: Galileo and Kepler -- 14. The Naturalist Turn and Celestial Order: Constructing the Nova of 1604 -- 15. How Kepler's New Star Traveled to England -- 16. The Struggle for Order -- 17. Modernizing Theoretical Knowledge: Patronage, Reputation, Learned Sociability, Gentlemanly Veracity -- 18. How Galileo's Recurrent Novelties Traveled -- Conclusion. The Great Controversy -- Notes -- Bibliography -- Index
Sommario/riassunto	In 1543, Nicolaus Copernicus publicly defended his hypothesis that the

earth is a planet and the sun a body resting near the center of a finite universe. But why did Copernicus make this bold proposal? And why did it matter? The Copernican Question reframes this pivotal moment in the history of science, centering the story on a conflict over the credibility of astrology that erupted in Italy just as Copernicus arrived in 1496. Copernicus engendered enormous resistance when he sought to protect astrology by reconstituting its astronomical foundations. Robert S. Westman shows that efforts to answer the astrological skeptics became a crucial unifying theme of the early modern scientific movement. His interpretation of this "long sixteenth century," from the 1490's to the 1610's, offers a new framework for understanding the great transformations in natural philosophy in the century that followed.

---