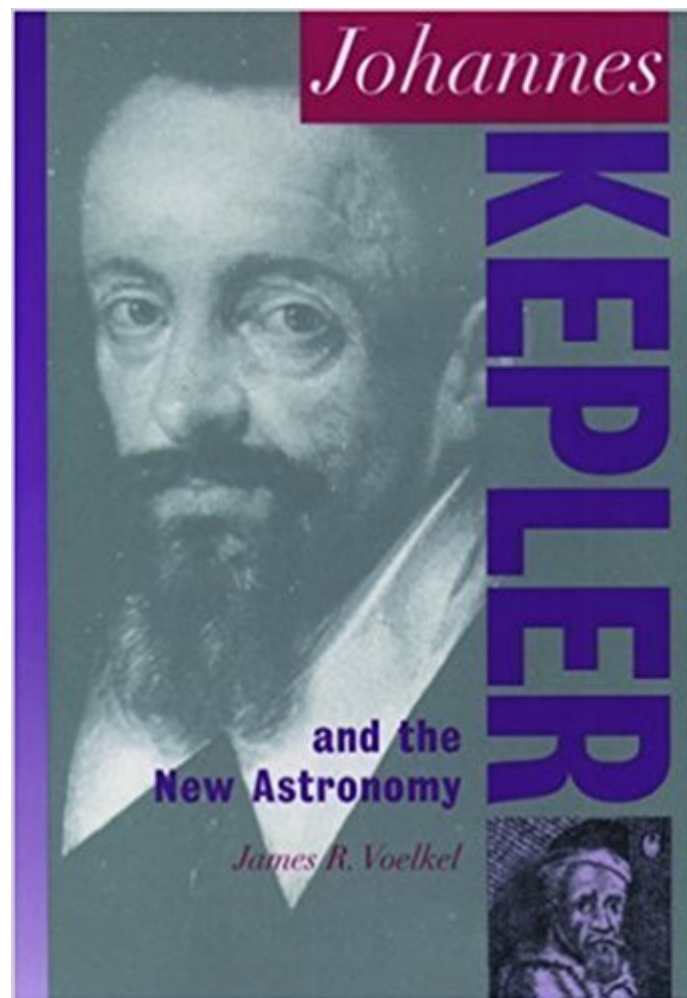




**Ebook Directory**  
the best source of ebook

The book was found

# Johannes Kepler: And The New Astronomy (Oxford Portraits In Science)



## Synopsis

Johannes Kepler (1571-1630) is remembered, along with Copernicus and Galileo, as one of the greatest Renaissance astronomers. A gifted analytical thinker, he made major contributions to physics, astronomy, and mathematics. Kepler was trained as a theologian, yet did not hesitate to challenge church doctrine and prevailing scientific beliefs by supporting the theory of a Sun-centered solar system. As Imperial Mathematician to the Holy Roman Emperor, he analyzed the precise observations of the heavens that his predecessor, the great astronomer Tycho Brahe, had recorded. The book follows the ingenious scientist along the difficult pathway from raw data to his monumental discovery--the three Laws of Planetary Motion. Kepler also made fundamental contributions to optical theory, including a correct description of the function of the eye and a new and improved telescope design. His unique Rudolfine Tables, universal calculations of planetary motion, were unprecedented in their accuracy. James Voelkel vividly describes these scientific achievements, providing enough background in astronomy and geometry so even beginners can follow Kepler's thinking and enjoy this book. Equally captivating is his account of Kepler's tumultuous life, plagued by misery, disease, war, and fervent religious persecution. Oxford Portraits in Science is an ongoing series of scientific biographies for young adults. Written by top scholars and writers, each biography examines the personality of its subject as well as the thought process leading to his or her discoveries. These illustrated biographies combine accessible technical information with compelling personal stories to portray the scientists whose work has shaped our understanding of the natural world.

## Book Information

Age Range: 12 and up

Series: Oxford Portraits in Science

Hardcover: 144 pages

Publisher: Oxford University Press (November 4, 1999)

Language: English

ISBN-10: 0195116801

ISBN-13: 978-0195116809

Product Dimensions: 6.5 x 0.6 x 9.3 inches

Shipping Weight: 13.6 ounces

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,095,891 in Books (See Top 100 in Books) #54 in [Books > Teens >](#)

Education & Reference > Science & Technology > Astronomy #82 in [A Books > Teens > Biographies > Science & Technology](#) #116 in [A Books > Teens > Education & Reference > Science & Technology > Physics](#)

## Customer Reviews

Grade 7 Up-This readable biography puts Kepler's life, discoveries, and writings in the context of the religious persecutions of the early 17th century and shows how his religious bias led him to make great scientific discoveries. Personal anecdotes about such topics as his relationship with fellow astronomer Tycho Brahe, his mother's trial for witchcraft, and his lifetime of work on the Rudolfine Tables fill the narrative. The writing is strongest when dealing with his discoveries, as the descriptions of his personal life sometimes seem tedious and repetitive. Excellent boxed sections explain the astronomer's three laws of planetary motion with clear diagrams that illustrate their principles and derivation. A compelling passage summarizes the *Somnium* (The Dream), a fictional work in which he created moon creatures to explain the motion of the earth in a heliocentric system. This book is enhanced with fascinating and informative reproductions, including facsimiles of Kepler's writings. Overall, an enjoyable introduction to a complex scientific life. Jeffrey A. French, Euclid Public Library, OH Copyright 2000 Reed Business Information, Inc.

This intriguing biography from the Oxford Portraits in Science series discusses the life and work of Johannes Kepler (1571<sup>1</sup>-1630). Trained in theology, Kepler accepted a position as a mathematics teacher. He then went to the assistance of noted astronomer Tycho Brahe and became the imperial mathematician for Rudolf II of the Holy Roman Empire. Kepler lived in tumultuous times and suffered the religious persecution of his family and the trial of his mother for witchcraft, along with disease, war, and the deaths of loved ones. Nevertheless, he managed to discover the three laws of planetary motion, to calculate the movements and positions of the planets with great accuracy, and to do important work in optics as well. Voelkel weaves the many strands of Kepler's story into an intricate but satisfying narrative. To be illustrated with reproductions of period portraits, prints, and documents. A fine addition to both science and biography collections. Carolyn Phelan

[Download to continue reading...](#)

Johannes Kepler: And the New Astronomy (Oxford Portraits in Science) Astronomy: Astronomy For Beginners: Discover The Amazing Truth About New Galaxies, Worm Holes, Black Holes And The Latest Discoveries In Astronomy (Astronomy For Beginners, Astronomy 101) Draw Faces: How to Speed Draw Faces and Portraits in 15 Minutes (Fast Sketching, Drawing Faces, How to Draw

Portraits, Drawing Portraits, Portrait Faces, Pencil Portraits, Draw in Pencil) The Scientific Revolution: The Life and Legacy of Johannes Kepler Heavenly Intrigue: Johannes Kepler, Tycho Brahe, and the Murder Behind One of History's Greatest Scientific Discoveries Astronomy: Astronomy for Beginners: Discover the Amazing Truth about New Galaxies, Worm Holes, Black Holes and the Latest Discoveries in Astronomy A Kid's Guide to Black Holes Astronomy Books Grade 6 | Astronomy & Space Science Classifying the Solar System Astronomy 5th Grade | Astronomy & Space Science Everything about Black Holes Astronomy Books Grade 6 | Astronomy & Space Science Kepler's Witch: An Astronomer's Discovery of Cosmic Order Amid Religious War, Political Intrigue, and the Heresy Trial of His Mother Recentering the Universe: The Radical Theories of Copernicus, Kepler, Galileo, and Newton Tycho & Kepler Statistics, Data Mining, and Machine Learning in Astronomy: A Practical Python Guide for the Analysis of Survey Data (Princeton Series in Modern Observational Astronomy) The Sun: Its Spots and Flares - Astronomy Book for Beginners | Children's Astronomy Books Stars Above, Earth Below: A Guide to Astronomy in the National Parks (Springer Praxis Books / Popular Astronomy) What Happens During An Eclipse? Astronomy Book Best Sellers | Children's Astronomy Books What is The Solar System? Astronomy Book for Kids | Children's Astronomy Books Real Astronomy with Small Telescopes: Step-by-Step Activities for Discovery (The Patrick Moore Practical Astronomy Series) Astronomy with Small Telescopes: Up to 5-inch, 125mm (The Patrick Moore Practical Astronomy Series) Learning Astronomy by Doing Astronomy: Collaborative Lecture Activities

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)