

# Heavenly Intrigue Johannes Kepler Tycho Brahe And The Murder Behind One Of History's Greatest Scientific Discoveries

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Cultural Foundations of Mathematics - C. K. Raju 2007

The Volume Examines, In Depth, The Implications Of Indian History And Philosophy For Contemporary Mathematics And Science. The Conclusions Challenge Current Formal Mathematics And Its Basis In The Western Dogma That Deduction Is Infallible (Or That It Is Less Fallible Than Induction). The Development Of The Calculus In India, Over A Thousand Years, Is Exhaustively Documented In This Volume, Along With Novel Insights, And Is Related To The Key Sources Of Wealth-Monsoon-Dependent Agriculture And Navigation Required For Overseas Trade - And The Corresponding Requirement Of Timekeeping. Refecting The Usual Double Standard Of Evidence Used To Construct Eurocentric History, A Single, New Standard Of Evidence For Transmissions Is Proposed. Using This, It Is Pointed Out That Jesuits In Cochin, Following The Toledo Model Of Translation, Had Long-Term Opportunity To Transmit Indian Calculus Texts To Europe. The European Navigational Problem Of Determining Latitude, Longitude, And Loxodromes, And The 1582 Gregorian Calendar-Reform, Provided Ample Motivation. The Mathematics In These Earlier Indian Texts Suddenly Starts Appearing In European Works From The Mid-16Th Century Onwards, Providing Compelling Circumstantial Evidence. While The Calculus In India Had Valid Pramana, This Differed From Western Notions Of Proof, And The Indian (Algorismus) Notion Of Number Differed From The European (Abacus) Notion. Hence, Like Their Earlier Difficulties With The Algorismus, Europeans Had Difficulties In Understanding The Calculus, Which, Like Computer Technology, Enhanced The Ability To Calculate, Albeit In A Way Regarded As Epistemologically Insecure. Present-Day Difficulties In Learning Mathematics Are Related, Via Phylogeny Is Ontogeny , To These Historical Difficulties In Assimilating Imported Mathematics. An Appendix Takes Up Further Contemporary Implications Of The New Philosophy Of Mathematics For The Extension Of The Calculus, Which Is Needed To Handle The Infinities Arising In The Study Of Shock Waves And The Renormalization Problem Of Quantum Field Theory.

*Tycho Brahe's Path to God* - Max Brod 2007-10-03

Though best known for his editing and posthumous publication of his friend Franz Kafka's writing, Max Brod was a major novelist in his own right. Tycho Brahe's Path to God, widely considered his finest work and viewed by many as a small masterpiece, concerns the relationship between the great Danish astronomer and the younger, intellectually superior Johannes Kepler. Brod's representation of this complicated relation grew out of his acquaintance with the young Albert Einstein, reproduces his struggles with the Expressionist poet Franz Werfel, and strangely anticipates the most famous act Brod would ever perform: publishing Kafka's writings without his permission. As Brahe attempts to create a diplomatic compromise between the old Ptolemaic system of planetary motion and its modern, Copernican revision, Kepler discards the principle of compromise root and branch. Their conflict thus becomes an emblem of the struggle between a weakened tradition and a self-conscious modernity. The novel manages to convey the intimate, emotional reality of a seventeenth-century political conflict as well as the psychological, political, and artistic turmoil of Brod's own time. This revival of the richly allusive and deeply resonant Tycho Brahe's Path to God is a true literary event.

*Science Secrets* - Alberto A. Martinez 2011-05-29

Was Darwin really inspired by Galápagos finches? Did Einstein's wife secretly contribute to his theories? Did

Franklin fly a kite in a thunderstorm? Did a falling apple lead Newton to universal gravity? Did Galileo drop objects from the Leaning Tower of Pisa? Did Einstein really believe in God? Science Secrets answers these questions and many others. It is a unique study of how myths evolve in the history of science. Some tales are partly true, others are mostly false, yet all illuminate the tension between the need to fairly describe the past and the natural desire to fill in the blanks. Energetically narrated, Science Secrets pits famous myths against extensive research from primary sources in order to accurately portray important episodes in the sciences. Alberto A. Martínez analyzes how such myths grow and rescues neglected facts that are more captivating than famous fictions. Moreover, he shows why opinions that were once secret and seemingly impossible are now scientifically compelling. The book includes new findings related to the Copernican revolution, alchemy, Pythagoras, young Einstein, and other events and figures in the history of science.

**Found in Translation - GENESIS ONE** - J. Roland Kent 2016-02-23

J.R. Kent has solved a 2,500-year-old mystery that defies both religion and science! Hidden in the thirty-one verses of Genesis One is a message so powerful it could ultimately change the course of global events. Our hi-tech world is barely a century old, and already life altering environmental, terrorist, political, economic, and health threats pose potentially dire consequences for our future. However, many of the ancient, advanced civilizations such as the Egyptians, the Greeks, the Romans and the Mayans of Central America endured for thousands of years. So what was their secret, and how is it revealed in the Genesis verses? Genesis One is an ancient creation account for the earth, plants, animals, and humankind. However, when reading these verses they may seem bewildering and out of the natural order. The premise of this book illustrates in startling detail that this amazing story—in fact—perfectly correlates with the theories of modern science! There are several reasons why this mystery has not been revealed until now. First, an ancient author wrote this account in the original Hebrew language, but the actual evolutionary sequence of the Earth that he so accurately revealed has been lost in translation by the many biblical versions that followed. Second, the discoveries of modern science now put us at a point in time when this correlation has now been found in translation. This revelation then begs two questions. How was this knowledge possible in ancient times, and who wrote it?

Everyone's History - John H. Chambers 2008-10-16

The book's structure blends history and geography. A good world atlas or a world historical atlas will be helpful in the reading. The historical arrangement of contents has six Parts" Classical, Mediaeval, Early Modern (Lands), Early Modern (Ideas), Late Eighteenth and Nineteenth Centuries, Twentieth Century. Although this sequence of periods and categories fits Western/European history best, it is also reasonably appropriate for Central Asia, India, and China. For other regions it is more arbitrary, and Classical and Mediaeval periods are merged. Because the Parts overlap and involve imprecise categories, in the List of Contents and Summaries no attempt is made to give dates for their beginning and end.

**Johannes Kepler** - Daniel E. Harmon 2017-07-15

Johannes Kepler was just twenty-three years old when he became a teacher of mathematics and astronomy at the university in Graz, Austria, in 1594. For the next thirty-five years, his intensive research based on the

theories of Nicolaus Copernicus resulted in astonishing new ideas on the physics of the solar system. Most important was his realization that the planets move in elliptical orbits. Kepler's laws greatly influenced the later findings of Sir Isaac Newton and other famous scientists. Kepler is considered one of the most important thinkers of the Scientific Revolution.

Lightbulb Moments in Human History (Book II) - Scott Edwin Williams 2024-03-29

'Lightbulb Moments in Human History is flavored with scintillating wit and dark humor, and served to the open-minded by an intelligent observer, who manages to evoke empathy and hope for the human spirit.' Dr. Micki Pistorius, author of *Catch Me a Killer* Lightbulb Moments in Human History: From Peasants to Periwigs continues the humorous and informative series exploring the big ideas that have shaped humanity. Packed with laughs and fascinating insights, it documents the progression from the boozy peasants of the Middle Ages to the bewigged boffins of the Scientific Revolution. Along the way, you'll find answers to burning questions such as: Why did a mob of peasants follow a 'divinely inspired' goose to the Crusades? Was Captain Cook really devoured by cannibals, or was it just a terrible misunderstanding? What the hell is a periwig, and why did the best-dressed seventeenth-century men insist on wearing them? Lightbulb Moments in Human History: From Peasants to Periwigs by Scott Edwin Williams is not the history you were taught in school. It demonstrates that, despite all evidence to the contrary, our world is actually getting better. So grab a mug of mead, slap on your finest periwig, and dive into the rich history of human ingenuity.

**Classical Traditions in Science Fiction** - Brett M. Rogers 2015-01-12

For all its concern with change in the present and future, science fiction is deeply rooted in the past and, surprisingly, engages especially deeply with the ancient world. Indeed, both as an area in which the meaning of "classics" is actively transformed and as an open-ended set of texts whose own 'classic' status is a matter of ongoing debate, science fiction reveals much about the roles played by ancient classics in modern times. Classical Traditions in Science Fiction is the first collection in English dedicated to the study of science fiction as a site of classical receptions, offering a much-needed mapping of that important cultural and intellectual terrain. This volume discusses a wide variety of representative examples from both classical antiquity and the past four hundred years of science fiction, beginning with science fiction's "rosy-fingered dawn" and moving toward the other-worldly literature of the present day. As it makes its way through the eras of science fiction, Classical Traditions in Science Fiction exposes the many levels on which science fiction engages the ideas of the ancient world, from minute matters of language and structure to the larger thematic and philosophical concerns.

*Cosmic Society* - Peter Dickens 2007-11-08

Space weaponry, satellite surveillance and communications, and private space travel are all means in which outer space is being humanized: incorporated into society's projects. But what are the political implications of society not only being globalized, but becoming 'cosmic'? Our ideas about society have long affected, and been affected by, our understanding of the universe: large sections of our economy and society are now organized around humanity's use of outer space. Our view of the universe, our increasingly 'cosmic' society, and even human consciousness are being transformed by new relations with the cosmos. As the first sociological book to tackle humanity's relationship with the universe, this fascinating volume links social theory to classical and contemporary science, and proposes a new 'cosmic' social theory. Written in a punchy, student-friendly style, this timely book engages with a range of topical issues, including cyberspace, terrorism, tourism, surveillance and globalization.

**1616** - Thomas Christensen 2012-03-01

Using the lens of one riotous year—1616—the acclaimed writer and translator weaves together the surprising tales of the men and women who set the world on its tumultuous course toward modernity With 140 full color reproductions of period artwork, engravings, maps, and drawings, plus fascinating sidebars throughout The early 17th century was a time of enormous change in most regions of the world. The advent of maritime globalism accelerated the exchange of both goods and ideas, and the first international mega-corporations started to emerge as economic powers. In Europe, the deaths of Shakespeare and Cervantes marked the end of an era in literature. The discoveries of Kepler and Galileo inspired new attitudes that would lead to an age of revolutions. Great changes were also taking place in East Asia, where the last native Chinese dynasty was entering its final years and Japan was beginning its long period of warrior rule. Artists there were rethinking

their connections to ancient traditions and experimenting with new directions. Women everywhere were redefining their roles in family and society. Slave trading was relocating large numbers of people, while others were migrating in search of new opportunities. The first tourists, traveling not for trade or exploration but for personal fulfillment, were exploring this new globalized world. "With its stories of restless spirits and restless feet and its truly amazing images from Japan to Persia to Rome, this book will surprise and delight every reader and provide new insights into an interactive early modern world." —John E. Wills, Jr., author of *1688: A Global History*

Heavenly Intrigue - Joshua Gilder 2004

Traces the collaboration of revolutionary astronomers Tyco Brahe and Johannes Kepler, documenting how their seventeenth-century work during the Counter-Reformation era established current understanding in physics, and analyzing recent forensic evidence that Kepler may have murdered Brahe.

**Cosmic Society** - Peter Dickens 2007-11-08

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**The Universe** - Britannica Educational Publishing 2009-10-01

The universe has been both a subject of study and supplier of fresh mysteries. This book tackles a topic that is infinitely broad with extreme precision and careful organization, bringing the far reaches of the universe squarely into the hands and minds of readers.

**Introducing Philosophy** - Neil Tennant 2015-02-11

Written for any readers interested in better harnessing philosophy's real value, this book covers a broad range of fundamental philosophical problems and certain intellectual techniques for addressing those problems. In *Introducing Philosophy: God, Mind, World, and Logic*, Neil Tennant helps any student in pursuit of a 'big picture' to think independently, question received dogma, and analyse problems incisively. It also connects philosophy to other areas of study at the university, enabling all students to employ the concepts and techniques of this millennia-old discipline throughout their college careers - and beyond. **KEY FEATURES AND BENEFITS:** -- Investigates the philosophy of various subjects (psychology, language, biology, math), helping students contextualize philosophy and view it as an interdisciplinary pursuit; also helps students with majors outside of philosophy to see the relationship between philosophy and their own focused academic pursuits -- Author comes from a distinguished background in Logic and Philosophy of Language, which gives the book a level of rigor, balance, and analytic focus sometimes missing from primers to philosophy -- Introduces students to various important philosophical distinctions (e.g. fact vs. value, descriptive vs. prescriptive, norms vs. laws of nature, analytic vs. synthetic, inductive vs. deductive, a priori vs. a posteriori) providing skills that are important for undergraduates to develop in order to inform their study at higher levels. They are essential for further work in philosophy but they are also very beneficial for students pursuing most other disciplines -- Is much more methodologically comprehensive than competing introductions, giving the student the ability to address a wide range of philosophical problems - and not just the ones reviewed in the book -- Offers a companion website with links to apt primary sources, organized chapter-by-chapter, making unnecessary a separate Reader/Anthology of primary sources - thus providing students with all reading material necessary for the course -- Provides five to ten discussion questions for each chapter, helping instructors and students better interact with the ideas and concepts in the text

Johann Kepler: Oxford Bibliographies Online Research Guide - Oxford University Press 2010-06-01

This ebook is a selective guide designed to help scholars and students of Islamic studies find reliable sources of information by directing them to the best available scholarly materials in whatever form or format they

appear from books, chapters, and journal articles to online archives, electronic data sets, and blogs. Written by a leading international authority on the subject, the ebook provides bibliographic information supported by direct recommendations about which sources to consult and editorial commentary to make it clear how the cited sources are interrelated. This ebook is a static version of an article from Oxford Bibliographies Online: Renaissance and Reformation, a dynamic, continuously updated, online resource designed to provide authoritative guidance through scholarship and other materials relevant to the study of European history and culture between the 14th and 17th centuries. Oxford Bibliographies Online covers most subject disciplines within the social science and humanities, for more information visit [www.oxfordbibliographies.com](http://www.oxfordbibliographies.com).

[Encyclopedia of Earth and Space Science](#) - Timothy M. Kusky 2010

Provides a comprehensive reference for Earth and space sciences, including entries on climate change, stellar evolution, tsunamis, renewable energy options, and mass wasting.

**The Story of Western Science: From the Writings of Aristotle to the Big Bang Theory** - Susan Wise Bauer 2015-05-11

A riveting road map to the development of modern scientific thought. In the tradition of her perennial bestseller *The Well-Educated Mind*, Susan Wise Bauer delivers an accessible, entertaining, and illuminating springboard into the scientific education you never had. Far too often, public discussion of science is carried out by journalists, voters, and politicians who have received their science secondhand. *The Story of Western Science* shows us the joy and importance of reading groundbreaking science writing for ourselves and guides us back to the masterpieces that have changed the way we think about our world, our cosmos, and ourselves. Able to be referenced individually, or read together as the narrative of Western scientific development, the book's twenty-eight succinct chapters lead readers from the first science texts by Hippocrates, Plato, and Aristotle through twentieth-century classics in biology, physics, and cosmology. *The Story of Western Science* illuminates everything from mankind's earliest inquiries to the butterfly effect, from the birth of the scientific method to the rise of earth science and the flowering of modern biology. Each chapter recommends one or more classic books and provides entertaining accounts of crucial contributions to science, vivid sketches of the scientist-writers, and clear explanations of the mechanics underlying each concept. *The Story of Western Science* reveals science to be a dramatic undertaking practiced by some of history's most memorable characters. It reminds us that scientific inquiry is a human pursuit—an essential, often deeply personal, sometimes flawed, frequently brilliant way of understanding the world. *The Story of Western Science* is an "entertaining and unique synthesis" (*Times Higher Education*), a "fluidly written" narrative that "celebrates the inexorable force of human curiosity" (*Wall Street Journal*), and a "bright, informative resource for readers seeking to understand science through the eyes of the men and women who shaped its history" (*Kirkus*). Previously published as *The Story of Science*.

[Gods and Demons, Priests and Scholars](#) - Bruce Lincoln 2015-07-09

Bruce Lincoln is one of the most prominent advocates within religious studies for an uncompromisingly critical approach to the phenomenon of religion—historians of religions, he believes, should resist the preferred narratives and self-understanding of religions themselves, especially when their stories are endowed with sacred origins and authority. In *Gods and Demons, Priests and Scholars*, Lincoln assembles a collection of essays that both illustrates and reveals the benefits of his methodology, making a case for a critical religious studies that starts with skepticism but is neither cynical nor crude. The book begins with Lincoln's "Theses on Method" and ends with "The (Un)discipline of Religious Studies," in which he unsparingly considers the failings of uncritical and nonhistorical approaches to the study of religions. In between, Lincoln presents new examinations of problems in ancient religions and relates these cases to larger comparative themes. While bringing to light important features of the formation of pantheons and the constructions of demons, chaos, and the dead, Lincoln demonstrates that historians of religions should take religious things—inspired scriptures, sacred centers, salvific rites, communities graced by divine favor—as the theories of interested humans that shape perception, community, and experiences. As he shows, it is for their terrestrial influence, and not their sacred origins, that religious phenomena merit consideration by the historian. Tackling many questions central to religious study, *Gods and Demons, Priests and Scholars* will be a touchstone for the history of religions in the twenty-first century.

**Freud on a Precipice** - Robert Langs 2010

*Freud on a Precipice* is a psychoanalytic detective story that takes the reader back to the generally unappreciated, yet single most important turning point in the history of psychoanalysis: Freud's decision following the death of his father to abandon his first, reality-centered theory of the mind in favor of a theory focused on inner fantasies and needs. Robert Langs views this change of heart as a regressive paradigm shift driven by unconsciously influential archetypes that were, in turn, linked to a series of traumas early in Freud's life. Langs's detective work brings new insights into such matters as the psychological archetypes that affect the creation and modification of paradigms, physical and mental; a new, utilitarian view of the design of the emotion-processing mind; recognition of the complex unconscious impact of reality and death-related traumas on the human psyche and emotionally charged choices; the vast superiority of Freud's first paradigm over his second theory of the mind; and the unconscious reasons, despite its many flaws, that Freud's second paradigm remains in favor to this very day. Freud saved his own life by shifting course, but at the same time he created a theory that must be held partly accountable for the compromised forms of dynamic therapy and the broad psychological harm that have followed in its wake. Using an updated version of Freud's first paradigm, Langs shows us a better way to live and work. Book jacket.

**Quicksilver** - Richard M. Swiderski 2014-01-10

Though modern scientists recognize mercury as a harmful environmental pollutant and one of the world's most dangerous elemental toxins, mercury was once considered a wondrous substance capable of eradicating internal disease, revolutionizing the paint and cosmetics industries and even entertaining the masses as part of amateur magic tricks and witch doctor scams. This work traces the history of mercury in popular culture, beginning in the early eighteenth century when Dr. Thomas Dover, nicknamed "Dr. Quicksilver," began prescribing doses of raw mercury to clear out intestinal blockages and rid the body of syphilis and other diseases. The author then details the role of mercury in several medical, industrial, and cultural applications. In the fields of dentistry and vaccination, mercury continues to be used as a preservative and amalgamative agent. In the cosmetics industry, mercury was once used as a popular "skin lightener" in soaps and skin creams. In the early development of obstetrics and gynecology, mercury was once used to stimulate conception and fetal abortion. Many more uses of mercury, along with many more, are outlined in the work, while several appendices provide translations of rare works which reference mercury.

[Ghost Image](#) - Joshua Gilder 2002-12-26

The last thing plastic surgery resident Jackson Maebry wants at the end of a long day in the operating room is a call to the ER. Once he gets there, what he finds is worse than his most hellish imaginings: a young woman, beaten and burned almost beyond recognition, a trauma case as terrible as any he has ever seen. What Jackson's colleagues don't know is that the victim, Allie, is actually his lover. With Allie in a coma, Jackson keeps their relationship quiet and takes part in her reconstruction, a complicated and grueling set of procedures that only the most skilled specialists can perform. But as he and the other doctors struggle to put her back together, the fractures in Jackson's own life begin to break apart dramatically. When the San Francisco Police Department's investigation of the attack leads to his door, Jackson knows the truth can no longer be suppressed. *Ghost Image* is an expertly plotted, chillingly vivid, and wholly absorbing mystery, signaling the debut of an unforgettable new voice in the genre. Taking readers inside the operating room and literally under the skin of its patients, it's a story that will appeal to those fascinated by medicine and forensics. It is also a story -- like all classic crime novels -- about guilt and innocence, good and evil. But, above all, it is a story of love -- the kind of love that might prove deadly, or that might just save your soul.

[The Scientific Revolution](#) - Don Nardo 2011-06-13

Author Don Nardo discusses the scientific revolution in Europe that led to what we now know as modern science. Readers will be introduced to the forerunners of modern science. They will become acquainted with advances such as the telescope and with advances in scientific methods. Newton and gravitation are covered, as well as enlightenment and beyond. Full-color photographs, maps, illustrations, timelines, and sidebars support the text.

**Unseen Forces: A Guide for the Truly Attentive** - J. Douglas Kenyon

Considered by many to be the magazine of record for ancient mysteries, future science, and unexplained

anomalies, Atlantis Rising® provides some of the most astounding reading to be found anywhere. In case you may have missed it, in the past few years a virtual revolution has occurred in the way we think about some of the greatest mysteries in history and science. Such is the case with the discovery of Gobekli Tepe, a 12,000 year-old archaeological site of an unknown advanced civilization that could well change the timeline of human history. This book provides some astonishing evidence about several similar mysteries, and many of them are very hard to ignore. Editor J. Douglas Kenyon has culled from the pages of Atlantis Rising® magazine this collection of 34 concise and well-illustrated articles by world-class researchers and theoreticians who offer thought-provoking insights on a variety of topics that challenge conventional wisdom. Featuring: Underwater UFO Bases, by David H. Childress Nikola Tesla & the God Particle, by Marc J. Seifer H. G. Wells and the Near Death Experience, by John Chambers Ancient High Tech and the Ark of the Covenant, by Frank Joseph Telescopes and the Ancients, by Larry Brian Radka Enigma of the Crystal Skulls, David H. Childress Ancient Wings Over the Nile, by Joseph Robert Jochmans Global Cooling, by Susan Martinez Is Our Planet a Crystal?, by Joseph Robert Jochmans

*What Galileo Saw* - Lawrence Lipking 2014-12-18

The Scientific Revolution of the seventeenth century has often been called a decisive turning point in human history. It represents, for good or ill, the birth of modern science and modern ways of viewing the world. In *What Galileo Saw*, Lawrence Lipking offers a new perspective on how to understand what happened then, arguing that artistic imagination and creativity as much as rational thought played a critical role in creating new visions of science and in shaping stories about eye-opening discoveries in cosmology, natural history, engineering, and the life sciences. When Galileo saw the face of the Moon and the moons of Jupiter, Lipking writes, he had to picture a cosmos that could account for them. Kepler thought his geometry could open a window into the mind of God. Francis Bacon's natural history envisioned an order of things that would replace the illusions of language with solid evidence and transform notions of life and death. Descartes designed a hypothetical "Book of Nature" to explain how everything in the universe was constructed. Thomas Browne reconceived the boundaries of truth and error. Robert Hooke, like Leonardo, was both researcher and artist; his schemes illuminate the microscopic and the macrocosmic. And when Isaac Newton imagined nature as a coherent and comprehensive mathematical system, he redefined the goals of science and the meaning of genius. *What Galileo Saw* bridges the divide between science and art; it brings together Galileo and Milton, Bacon and Shakespeare. Lipking enters the minds and the workshops where the Scientific Revolution was fashioned, drawing on art, literature, and the history of science to reimagine how perceptions about the world and human life could change so drastically, and change forever.

*Diversity, Equity, and Inclusion in Astronomy* - Jörg Matthias Determann 2023-11-14

Astronomy is a field concerned with matters very distant from Earth. Most phenomena, whether observed or theorized, transcend human spaces and timescales by orders of magnitude. Yet, many scientists have been interested not just in the events that have occurred millennia before Earth's inception, but also in their very own society here and now. Since the first half of the twentieth century, an increasing number of them have pursued parallel careers as both academics and activists. Besides publishing peer-reviewed papers, they have promoted a great variety of underrepresented groups within their discipline. Through conferences, newsletters and social media, they have sought to advance the interests of women, members of racial and ethnic minorities, LGBTQ+, and disabled people. While these activists have differed in the identities they focus on, they have come to share a conviction that diversity and inclusion are crucial for scientific excellence as well as social justice. In this book, you will read of the biographies and institutional contexts of key agents in the diversification of modern astronomy. As most are recent figures whose discoveries have not been commemorated by Nobel Prizes, they are relatively unknown among historians of science. They have, however, been central to discussions about who has privileged access to the tools of astronomical inquiry, including powerful telescopes and extensive databases. As such, they have also significantly shaped views of our universe.

*New Heavens and a New Earth* - Jeremy Brown 2013-06-13

Jeremy Brown offers the first major study of the Jewish reception of the Copernican revolution, examining four hundred years of Jewish writings on the Copernican model. Brown shows the ways in which Jews ignored, rejected, or accepted the Copernican model, and the theological and societal underpinnings of their choices.

*Heavenly Intrigue* - Joshua Gilder 2005-06-14

*Heavenly Intrigue* is the fascinating, true account of the seventeenth-century collaboration between Johannes Kepler and Tycho Brahe that revolutionized our understanding of the universe—and ended in murder. One of history's greatest geniuses, Kepler laid the foundations of modern physics with his revolutionary laws of planetary motion. But his beautiful mind was beset by demons. Born into poverty and abuse, half-blinded by smallpox, he festered with rage, resentment, and a longing for worldly fame. Brahe, his mentor, was a flamboyant aristocrat who had spent forty years mapping the heavens with unprecedented accuracy—but he refused to share his data with Kepler. With Brahe's untimely death in Prague in 1601, rumors flew across Europe that he had been murdered. But it took twentieth-century forensics to uncover the poison in his remains, and the detective work of Joshua and Anne-Lee Gilder to identify the prime suspect—the ambitious, envy-ridden Kepler himself. A fast-paced, true-life account that reads like a thriller, *Heavenly Intrigue* is a remarkable feat of historical re-creation.

*Religion, Culture, and Politics in Pre-Islamic Iran* - Bruce Lincoln 2021-06-22

In *Religion, Culture, and Politics in Pre-Islamic Iran*, Bruce Lincoln offers a vast overview on different aspects of the Indo-Iranian, Zoroastrian and Pre-Islamic mythologies, religions and cultural issues.

*Atlantis Rising 98 - March/April 2013* - J. Douglas Kenyon 2013-03-01

In this issue: Letters Alternative News - Underwater Ruins Jeane Manning - Many Dimensions in Breakthrough Thinking Michael Cremo - Oldest Spearpoints Rama's Bridge Reconciling Modern Science with Indian Myth Updating the Dating Picture - Time Could Be Out of Joint for Academic Science The Strange Case of Çatalhöyük - What Was Its True Purpose? Tales of the Real Ulysses - Where Did Homer Get His Material? Marian Apparitions - Does Science Have Any Answers? Physics and the Unconscious Thoth and the Grail Who Killed Tycho Brahe? Unearthing the Truth, or Not The Devil's Triangle Revisited - Have Paranormal Explanations Really Been Debunked? George Washington and the Hand of God - Someone Up There Truly Liked Him

*Tycho Brahe and the Measure of the Heavens* - John Robert Christianson 2020-08-10

The Danish aristocrat and astronomer Tycho Brahe personified the inventive vitality of Renaissance life in the sixteenth century. Brahe lost his nose in a student duel, wrote Latin poetry, and built one of the most astonishing villas of the late Renaissance, while virtually inventing team research and establishing the fundamental rules of empirical science. His observatory at Uraniborg functioned as a satellite to Hamlet's castle of Kronborg until Tycho abandoned it to end his days at the court of the Holy Roman Emperor Rudolf II in Prague. This illustrated biography presents a new and dynamic view of Tycho's life, reassessing his gradual separation of astrology from astronomy and his key relationships with Johannes Kepler, his sister Sophie, and his kinsmen at the court of King Frederick II.

*Data Science and Analytics with Python* - Jesus Rogel-Salazar 2018-02-05

*Data Science and Analytics with Python* is designed for practitioners in data science and data analytics in both academic and business environments. The aim is to present the reader with the main concepts used in data science using tools developed in Python, such as SciKit-learn, Pandas, Numpy, and others. The use of Python is of particular interest, given its recent popularity in the data science community. The book can be used by seasoned programmers and newcomers alike. The book is organized in a way that individual chapters are sufficiently independent from each other so that the reader is comfortable using the contents as a reference. The book discusses what data science and analytics are, from the point of view of the process and results obtained. Important features of Python are also covered, including a Python primer. The basic elements of machine learning, pattern recognition, and artificial intelligence that underpin the algorithms and implementations used in the rest of the book also appear in the first part of the book. Regression analysis using Python, clustering techniques, and classification algorithms are covered in the second part of the book. Hierarchical clustering, decision trees, and ensemble techniques are also explored, along with dimensionality reduction techniques and recommendation systems. The support vector machine algorithm and the Kernel trick are discussed in the last part of the book. About the Author Dr. Jesús Rogel-Salazar is a Lead Data scientist with experience in the field working for companies such as AKQA, IBM Data Science Studio, Dow Jones and others. He is a visiting researcher at the Department of Physics at Imperial College London, UK and a member of the School of Physics, Astronomy and Mathematics at the University of

Hertfordshire, UK, He obtained his doctorate in physics at Imperial College London for work on quantum atom optics and ultra-cold matter. He has held a position as senior lecturer in mathematics as well as a consultant in the financial industry since 2006. He is the author of the book *Essential Matlab and Octave*, also published by CRC Press. His interests include mathematical modelling, data science, and optimization in a wide range of applications including optics, quantum mechanics, data journalism, and finance.

**Kepler's Witch** - James A. Connor 2009-10-13

"A fascinating book, analyzing a pivotal time in western intellectual history." — John Shelby Spong, author of *A New Christianity for a New World* "A detailed and fascinating account of the life and times of one of the great founding figures of modern science." — John Polkinghorne, author of *Belief in God in an Age of Science* "James Connor narrates the compelling human drama behind significant scientific discoveries of the seventeenth century." — Eve LaPlante, author of *American Jezebel: The Uncommon Life of Anne Hutchinson, the Woman Who Defied the Puritans* "Connor has illuminated the life - and thus also the work - of one of history's greatest star-gazers." — David Edmonds and John Eidinow, authors of *Wittgenstein's Poker* and *Bobby Fischer Goes to War* "Connor's skillful narrative brings to life an extraordinary man who wanted to know the mind of God." — Kenneth Silverman, Pulitzer-Prize winner and author of *Lightning Man* "Kepler has received less than his due from rationally-minded scholars. This luminous biography will help remedy that injustice." — Booklist - Starred Review "His biographer depicts him brilliantly . . . healthy, purposeful, and illuminating." — Kirkus Reviews "...a remarkably human portrait of Kepler. . . . [an] engaging narrative." — Publishers Weekly "A compelling story of scientific discovery. . . crisply written, meticulously researched and highly recommended." — Tucson Citizen "Fun to read..." — Los Angeles Times "No other Keplerian biography fleshes out so fully the background against which the astronomer worked." — Christian Century "Connor delves into Kepler's life in such a way that the scientist becomes a person of flesh and bone." — National Catholic Reporter

**John Napier** - Julian Havil 2014-10-05

The most comprehensive account of the mathematician's life and work John Napier (1550–1617) is celebrated today as the man who invented logarithms—an enormous intellectual achievement that would soon lead to the development of their mechanical equivalent in the slide rule: the two would serve humanity as the principal means of calculation until the mid-1970s. Yet, despite Napier's pioneering efforts, his life and work have not attracted detailed modern scrutiny. John Napier is the first contemporary biography to take an in-depth look at the multiple facets of Napier's story: his privileged position as the eighth Laird of Merchiston and the son of influential Scottish landowners; his reputation as a magician who dabbled in alchemy; his interest in agriculture; his involvement with a notorious outlaw; his staunch anti-Catholic beliefs; his interactions with such peers as Henry Briggs, Johannes Kepler, and Tycho Brahe; and, most notably, his estimable mathematical legacy. Julian Havil explores Napier's original development of logarithms, the motivations for his approach, and the reasons behind certain adjustments to them. Napier's inventive mathematical ideas also include formulas for solving spherical triangles, "Napier's Bones" (a more basic but extremely popular alternative device for calculation), and the use of decimal notation for fractions and binary arithmetic. Havil also considers Napier's study of the Book of Revelation, which led to his prediction of the Apocalypse in his first book, *A Plaine Discovery of the Whole Revelation of St. John*—the work for which Napier believed he would be most remembered. John Napier assesses one man's life and the lasting influence of his advancements on the mathematical sciences and beyond.

**Heavenly Intrigue** - Joshua Gilder 2005-06-14

*Heavenly Intrigue* is the fascinating, true account of the seventeenth-century collaboration between Johannes Kepler and Tycho Brahe that revolutionized our understanding of the universe—and ended in murder. One of history's greatest geniuses, Kepler laid the foundations of modern physics with his revolutionary laws of planetary motion. But his beautiful mind was beset by demons. Born into poverty and abuse, half-blinded by smallpox, he festered with rage, resentment, and a longing for worldly fame. Brahe, his mentor, was a flamboyant aristocrat who had spent forty years mapping the heavens with unprecedented accuracy—but he refused to share his data with Kepler. With Brahe's untimely death in Prague in 1601, rumors flew across Europe that he had been murdered. But it took twentieth-century forensics to uncover the poison in his remains, and the detective work of Joshua and Anne-Lee Gilder to identify the prime

suspect—the ambitious, envy-ridden Kepler himself. A fast-paced, true-life account that reads like a thriller, *Heavenly Intrigue* is a remarkable feat of historical re-creation.

Tycho Brahe -

Islandology - Marc Shell 2014-10-08

*Islandology* is a fast-paced, fact-filled comparative essay in critical topography and cultural geography that cuts across different cultures and argues for a world of islands. The book explores the logical consequences of geographic place for the development of philosophy and the study of limits (Greece) and for the establishment of North Sea democracy (England and Iceland), explains the location of military hot-spots and great cities (Hormuz and Manhattan), and sheds new light on dozens of world-historical productions whose motivating islandic aspect has not heretofore been recognized (Shakespeare's *Hamlet* and Wagner's *Ring of the Nibelung*). Written by Shell in view of the melting of the world's great ice islands, *Islandology* shows not only new ways that we think about islands but also why and how we think by means of them.

**Gravity's Arc** - David Darling 2007-07-27

Advance Praise for *Gravity's Arc* "A beautifully written exposition of the still mysterious force that holds our universe together—and the even more mysterious dark twin that may blow it apart." --Joshua Gilder, coauthor of *Heavenly Intrigue* "A lucid book as up-to-date as the effect of gravity on the bones of astronauts." --Denis Brian, author of *The Unexpected Einstein* How did they do it? How did one of the greatest geniuses who ever lived retard the study of gravity for 2,000 years? How did a gluttonous tyrant with a gold nose revolutionize our view of the solar system? How could an eccentric professor shake the foundations of an entire belief system by dropping two objects from a tower? How did a falling apple turn the thoughts of a reclusive genius toward the moon? And how could a simple patent clerk change our entire view of the universe by imagining himself riding on a beam of light? In *Gravity's Arc*, you'll discover how some of the most colorful, eccentric, and brilliant people in history first locked, then unlocked the door to understanding one of nature's most essential forces. You'll find out why Aristotle's misguided conclusions about gravity became an unassailable part of Christian dogma, how Galileo slowed down time to determine how fast objects fall, and why Isaac Newton erased every mention of one man's name from his magnum opus *Principia*. You'll also figure out what Einstein meant when he insisted that space is curved, whether there is really such a thing as antigravity, and why some scientists think that the best way to get to outer space is by taking an elevator.

Discovery and Classification in Astronomy - Steven J. Dick 2013-09-09

Astronomical discovery involves more than detecting something previously unseen. The reclassification of Pluto as a dwarf planet in 2006, and the controversy it generated, shows that discovery is a complex and ongoing process – one comprising various stages of research, interpretation and understanding. Ranging from Galileo's observation of Jupiter's satellites, Saturn's rings and star clusters, to Herschel's nebulae and the modern discovery of quasars and pulsars, Steven J. Dick's comprehensive history identifies the concept of 'extended discovery' as the engine of progress in astronomy. The text traces more than 400 years of telescopic observation, exploring how the signal discoveries of new astronomical objects relate to and inform one another, and why controversies such as Pluto's reclassification are commonplace in the field. The volume is complete with a detailed classification system for known classes of astronomical objects, offering students, researchers and amateur observers a valuable reference and guide.

**Everyone Wants to Be Ambassador to France** - Bryan Hurt 2018-06-26

"The fictional love child of Miranda July, George Saunders, and A.M. Homes . . . dark humor with just enough tenderness to make everything feel true." —Courtney Maum, author of *I Am Having So Much Fun Here Without You* A seagull, a goat, and a teenage boy enter into a bizarre love triangle that leaves one of them dead and the other two changed forever. A grief-stricken astronaut quits NASA to paint pictures of the moon. An eighteenth-century British aristocrat adopts two teenage girls and absconds with them to France, determined to raise one of them to become his perfect wife. By turns humorous and heartbreaking, this debut collection offers weird and wonderful stories that illuminate the hidden truths of life. "I have been a longtime fan of Bryan Hurt's stories and what a joy to have them all together now in this book! They are a soup pot of the funniest dry sentences plus unusual facts that he unearthed from who knows where, and an unstated humanity tucked inside those facts, and a constant eye on the oddness of culture and the lilt of a

well-placed phrase and a carrot. In our endlessly data-packed world, Hurt's keen sparseness is a welcome addition to the bookshelves." —Aimee Bender, New York Times–bestselling author of *The Particular Sadness of Lemon Cake* "Bryan Hurt's stories are like no one else's. They are by turns hilarious, whimsical, arresting, and heartbreaking, but what makes them such a delight is the sly simplicity and off-handed charm of their telling." —T.C. Boyle, New York Times–bestselling author of *The Tortilla Curtain* Winner of the Starcherone Prize for Innovative Fiction

**The Selected Works of T. S. Spivet** - Reif Larsen 2010-04-27

A brilliant, boundary-leaping debut novel tracing twelve-year-old genius map maker T.S. Spivet's attempts to understand the ways of the world When twelve-year-old genius cartographer T.S. Spivet receives an unexpected phone call from the Smithsonian announcing he has won the prestigious Baird Award, life as normal—if you consider mapping family dinner table conversation normal—is interrupted and a wild cross-country adventure begins, taking T.S. from his family ranch just north of Divide, Montana, to the museum's hallowed halls. T.S. sets out alone, leaving before dawn with a plan to hop a freight train and hobo east. Once aboard, his adventures step into high gear and he meticulously maps, charts, and illustrates his

exploits, documenting mythical wormholes in the Midwest, the urban phenomenon of "rims," and the pleasures of McDonald's, among other things. We come to see the world through T.S.'s eyes and in his thorough investigation of the outside world he also reveals himself. As he travels away from the ranch and his family we learn how the journey also brings him closer to home. A secret family history found within his luggage tells the story of T.S.'s ancestors and their long-ago passage west, offering profound insight into the family he left behind and his role within it. As T.S. reads he discovers the sometimes shadowy boundary between fact and fiction and realizes that, for all his analytical rigor, the world around him is a mystery. All that he has learned is tested when he arrives at the capital to claim his prize and is welcomed into science's inner circle. For all its shine, fame seems more highly valued than ideas in this new world and friends are hard to find. T.S.'s trip begins at the Copper Top Ranch and the last known place he stands is Washington, D.C., but his journey's movement is far harder to track: How do you map the delicate lessons learned about family and self? How do you depict how it feels to first venture out on your own? Is there a definitive way to communicate the ebbs and tides of heartbreak, loss, loneliness, love? These are the questions that strike at the core of this very special debut. Now a major motion picture directed by Jean-Pierre Jeunet and starring Kyle Catlett and Helena Bonham Carter.