

## The Galileo Connection

This Student Edition of Brecht's classic dramatisation of the conflict between free enquiry and official ideology features an extensive introduction and commentary that includes a plot summary, discussion of the context, themes, characters, style and language as well as questions for further study and notes on words and phrases in the text. It is the perfect edition for students of theatre and literature. Along with *Mother Courage*, the character of Galileo is one of Brecht's greatest creations, immensely live, human and complex. Unable to resist his appetite for scientific investigation, Galileo's heretical discoveries about the solar system bring him to the attention of the Inquisition. He is scared into publicly abjuring his theories but, despite his self-contempt, goes on working in private, eventually helping to smuggle his writings out of the country. As an examination of the problems that face not only the scientist but also the whole spirit of free inquiry when brought into conflict with the requirements of government or official ideology, *Life of Galileo* has few equals. Written in exile in 1937-9 and first performed in Zurich in 1943, *Galileo* was first staged in English in 1947 by Joseph Losey in a version jointly prepared by Brecht and Charles Laughton, who played the title role. Printed here is the complete translation by John Willett. Galileo's *Dialogue Concerning the Two Chief World Systems*, published in Florence in 1632, was the most proximate cause of his being brought to trial before the Inquisition. Using the dialogue form, a genre common in classical philosophical works, Galileo masterfully demonstrates the truth of the Copernican system over the Ptolemaic one, proving, for the first time, that the earth revolves around the sun. Its influence is incalculable. The *Dialogue* is not only one of the most important scientific treatises ever written, but a work of supreme clarity and accessibility, remaining as readable now as when it was first published. This edition uses the definitive text established by the University of California Press, in Stillman Drake's translation, and includes a Foreword by Albert Einstein and a new Introduction by J. L. Heilbron.

Do you struggle to know and follow God's call for you in the world? In this twelve session LifeGuide® Bible Study on Genesis tells us that even the giants of faith—Abraham, Isaac, Jacob and Joseph—struggled to obey their Creator. But Genesis also reveals the amazing truth that the God who called a world and a nation into being also calls each of us to serve him.

This book collects a renowned scholar's essays from the past five decades and reflects two main concerns: an approach to logic that stresses argumentation, reasoning, and critical thinking and that is informal, empirical, naturalistic, practical, applied, concrete, and historical; and an interest in Galileo's life and thought—his scientific achievements, Inquisition trial, and methodological lessons in light of his iconic status as “father of modern science.” These republished essays include many hard to find articles, out of print works, and chapters which are not available online. The collection provides an excellent resource of the

author's lifelong dedication to the subject. Thus, the book contains critical analyses of some key Galilean arguments about the laws of falling bodies and the Copernican hypothesis of the earth's motion. There is also a group of chapters in which Galileo's argumentation is compared and contrasted with that of other figures such as Socrates, Karl Marx, Giordano Bruno, and his musicologist father Vincenzo Galilei. The chapters on Galileo's trial illustrate an approach to the science-vs-religion issue which Finocchiaro labels "para-clerical" and conceptualizes in terms of a judicious consideration of arguments for and against Galileo and the Church. Other essays examine argumentation about Galileo's life and thought by the major Galilean scholars of recent decades. The book will be of interest to scholars in philosophy, logic, philosophy of science, history of science, history of religion, philosophy of religion, argumentation, rhetoric, and communication studies.

An introduction to the study of theology and an overview of the systems, terms, and people of the discipline.

Galileo's 1632 book, *Dialogue on the Two Chief World Systems*, Ptolemaic and Copernican, comes alive for twentieth-century readers thanks to Maurice Finocchiaro's brilliant new translation and presentation. Condemned by the Inquisition for its heretical proposition that the earth revolves around the sun, Galileo's masterpiece takes the form of a debate, divided into four "days," among three highly articulate gentlemen. Finocchiaro sets the stage with his introduction, which not only provides the human and historical framework for the *Dialogue* but also admits the reader gracefully into the basic non-Copernican understanding of the universe that would have been shared by Galileo's original audience. The translation of the *Dialogue* is abridged in order to highlight its essential content, and Finocchiaro gives titles to the various parts of the debate as a guide to the principal topics. By explicating his own critical reading of this text that is itself an exercise in critical reasoning on a gripping real-life controversy, he illuminates those universal, perennial activities of the human mind that make Galileo's book a living document. This is a concrete, hands-on introduction to critical thinking. The translation has been made from the Italian text provided in volume 7 of the *Critical National Edition* of Galileo's complete works edited by Antonio Favaro. The translator has also consulted the 1632 edition, as well as the other previous English translations, including California's 1967 version. *Galileo on the World Systems* is a remarkably nuanced interpretation of a classic work and will give readers the tools to understand and evaluate for themselves one of the most influential scientific books in Western civilization.

Winner of the 2004 ECPA Platinum Book Award! Is the clock a slavemaster or a tool that serves you? Does the quantity of your responsibilities squeeze out the quality of your life? Are urgent things so pressing that you don't have "inner time" to sort out what's really important? How can you discern what God wants you to do? Charles Hummel's classic booklet *Tyranny of the Urgent* has sold over one million copies. Now for the first time he expands on the life-changing perspective

that has transformed the lives of thousands struggling to keep from being swept away by the rush of life. Gathered in this book are proven principles taken straight from biblical teaching, from today's time-management experts and from Hummel's own life experience. You'll discover how to make the calendar your friend manage your life instead of your time get motivated stay open to God's guidance in small choices avoid being dragged down by past choices develop "inner time" for reflection and planning and much more! If you have too much to do and not enough time to do it, this book is for you.

Leadership guru Anthony Silard shows how to bring greater purpose to life by transforming dreams into concrete, deadline-driven goals and aligning values with everyday actions. In this landmark book, leadership guru Anthony Silard takes a holistic view of success that makes sense in a modern world. With the proliferation of texting, emails, smart phones, and more, our home lives have begun to look a lot like work and now, more than ever, people crave deep connections and fulfillment in both their personal and professional lives. The Connection provides ways to handle the unprecedented information flow, increased loneliness, and lack of purpose that so often characterizes modern culture. The Connection is a valuable resource for people who wish to live with value and purpose and develop a more centered, directed, and resilient approach to life. With a simple set of exercises, Silard shows you how to bring worth and drive to every aspect of your life by transforming your lofty dreams into concrete, deadline-driven goals that align your deepest values with your everyday existence. Silard will help you understand the true source of your passion and motivation to build a foundation for change, and, ultimately, the skills to cultivate a truly authentic life. The Connection includes dozens of specific tools and strategies, all enhanced with personal examples, inspiring quotes, and insightful anecdotes to offer an entertaining and life-changing read.

"A devastating attack upon the dominance of atheism in science today." Giovanni Fazio, Senior Physicist, Harvard-Smithsonian Center for Astrophysics The debate over the ultimate source of truth in our world often pits science against faith. In fact, some high-profile scientists today would have us abandon God entirely as a source of truth about the universe. In this book, two professional astronomers push back against this notion, arguing that the science of today is not in a position to pronounce on the existence of God—rather, our notion of truth must include both the physical and spiritual domains. Incorporating excerpts from a letter written in 1615 by famed astronomer Galileo Galilei, the authors explore the relationship between science and faith, critiquing atheistic and secular understandings of science while reminding believers that science is an important source of truth about the physical world that God created.

Galileo's trial by the Inquisition is one of the most dramatic incidents in the history of science and religion. Today, we tend to see this event in black and white--Galileo all white, the Church all black. Galileo in Rome presents a much more nuanced account of Galileo's relationship with Rome. The book offers a

fascinating account of the six trips Galileo made to Rome, from his first visit at age 23, as an unemployed mathematician, to his final fateful journey to face the Inquisition. The authors reveal why the theory that the Earth revolves around the Sun, set forth in Galileo's Dialogue, stirred a hornet's nest of theological issues, and they argue that, despite these issues, the Church might have accepted Copernicus if there had been solid proof. More interesting, they show how Galileo dug his own grave. To get the imprimatur, he brought political pressure to bear on the Roman Censor. He disobeyed a Church order not to teach the heliocentric theory. And he had a character named Simplicio (which in Italian sounds like simpleton) raise the same objections to heliocentrism that the Pope had raised with Galileo. The authors show that throughout the trial, until the final sentence and abjuration, the Church treated Galileo with great deference, and once he was declared guilty commuted his sentence to house arrest. Here then is a unique look at the life of Galileo as well as a strikingly different view of an event that has come to epitomize the Church's supposed antagonism toward science.

This book argues that it is possible for our study of the natural world to enhance our understanding of God and for our faith to inform and influence our study and application of science. Whether you are a student, someone employed in the sciences, or simply an interested layperson, Not Just Science will help you develop the crucial skills of critical thinking and reflection about key questions in Christian faith and natural science. The contributors provide a systematic approach to both raising and answering the key questions that emerge at the intersection of faith and various disciplines in the natural sciences. Among the questions addressed are the context, limits, benefits, and practice of science in light of Christian values. Questions of ethics as they relate to various applied sciences are also discussed. The end goal is an informed biblical worldview on both nature and our role in obeying God's mandate to care for his creation. With an honest approach to critical questions, Not Just Science fills a gap in the discussion about the relationship between faith and reason. This is a most welcomed addition to these significant scholarly conversations. Ron Mahurin, PhD Vice President, Professional Development and Research Council for Christian Colleges & Universities

Presentation of the most important discoveries by Galileo Galilei, endorsed by his own lively writings. Includes simple explanations for the general reader, comparative discussions about state of knowledge in Galileo's time and in today's understanding, as well as major public and private events in Galileo's life.

A magical meditation on the powerful idea that we are connected to everything and everyone. Playful illustrations and funny, rhyming text show readers all of the many ways we are linked to every big, small, hairy, slimy, snuggly, scaly, floppy, flappy, bristly, buzzy, beautiful creature on Earth. "One of Bala Kids's inaugural releases, this waggish picture book takes its title to heart, emphasizing readers' connection to an eclectic roundup of people, objects, and phenomena."—Publishers Weekly "Jason Gruhl invokes Dr. Seuss with some

light rhyming and brings up everything that entrances children—tarantulas, slime, comets, you name it. Ignasi Font's visually complex and incredibly funny illustrations (a blobfish that looks like Squidward?) will keep kids observing even on the hundredth read. The book is destined to become a dharma classic.—Tricycle Everything is connected. And since you are part of everything, you are connected to everything: to pharaohs, Ben Franklin, T. Rex, ancient Greece, to love and to poverty, hunger and peace!

This book is for anyone who wants to learn Intel Galileo for home automation and cross-platform software development. No knowledge of programming with Intel Galileo is assumed, but knowledge of the C programming language is essential. From a leading philosopher of the mind comes this lucid, provocative argument that offers a radically new picture of human consciousness—panpsychism.

Understanding how brains produce consciousness is one of the great scientific challenges of our age. Some philosophers argue that consciousness is something "extra," beyond the physical workings of the brain. Others think that if we persist in our standard scientific methods, our questions about consciousness will eventually be answered. And some even suggest that the mystery is so deep, it will never be solved. Decades have been spent trying to explain consciousness from within our current scientific paradigm, but little progress has been made. Now, Philip Goff offers an exciting alternative that could pave the way forward. Rooted in an analysis of the philosophical underpinnings of modern science and based on the early twentieth-century work of Arthur Eddington and Bertrand Russell, Goff makes the case for panpsychism, a theory which posits that consciousness is not confined to biological entities but is a fundamental feature of all physical matter—from subatomic particles to the human brain. In *Galileo's Error*, he has provided the first step on a new path to the final theory of human consciousness.

This book encourages an openness to accept and experience the truth, whatever its source. As philosopher Francis Schaeffer famously asked, "How can we be sure that what we think we know of the world outside ourselves really corresponds to what is there?" Where do we look for an understanding of ourselves, our world, and the meaning of our existence? Is there such a thing as an objective and unchanging truth that applies to all people everywhere, throughout time? Can we discover it in philosophy, in the natural or social sciences, or in religion? This book sets out to explore the answers to these questions, and considers how finding the answers can enrich our lives and daily experience. *Following the Truth Wherever It Leads* investigates areas where the authenticated discoveries of natural science and the clear statements of the Bible agree with and support one another and asks whether there really are "irreconcilable differences" between them. It ends by attempting to portray a worldview whose promise may add fresh meaning and purpose to our lives. *Getting Started with the Intel Galileo* gets you up and running with this new, x86-powered board that was developed in collaboration between Arduino and Intel.

You'll learn how to set it up, connect it to your computer, and begin programming. You'll learn how to build electronics projects around the Galileo, and you'll explore the features and power that make it different from all the boards that came before. Developed in collaboration with the Intel Galileo team, and in consultation with members of the Arduino team, this is the definitive introduction to Intel's new board for makers.

Do you struggle to know and follow God's call for you in the world? In this fourteen session LifeGuide® Bible Study on Genesis, tells us that even the giants of faith—Abraham, Isaac, Jacob and Joseph—struggled to obey their Creator. But Genesis also reveals the amazing truth that the God who called a world and a nation into being also calls each of us to serve him.

Six studies drawn from Charles Hummel's *Tyranny of the Urgent* will help you put your life back in order by focusing on God's "to do" list instead of your own.

If we want nonscientists and opinion-makers in the press, the lab, and the pulpit to take a fresh look at the relationship between science and religion, Ronald L. Numbers suggests that we must first dispense with the hoary myths that have masqueraded too long as historical truths. Until about the 1970s, the dominant narrative in the history of science had long been that of science triumphant, and science at war with religion. But a new generation of historians both of science and of the church began to examine episodes in the history of science and religion through the values and knowledge of the actors themselves. Now Ronald Numbers has recruited the leading scholars in this new history of science to puncture the myths, from Galileo's incarceration to Darwin's deathbed conversion to Einstein's belief in a personal God who "didn't play dice with the universe." The picture of science and religion at each other's throats persists in mainstream media and scholarly journals, but each chapter in *Galileo Goes to Jail* shows how much we have to gain by seeing beyond the myths.

An "intriguing and accessible" (Publishers Weekly) interpretation of the life of Galileo Galilei, one of history's greatest and most fascinating scientists, that sheds new light on his discoveries and how he was challenged by science deniers. "We really need this story now, because we're living through the next chapter of science denial" (Bill McKibben). Galileo's story may be more relevant today than ever before. At present, we face enormous crises—such as minimizing the dangers of climate change—because the science behind these threats is erroneously questioned or ignored. Galileo encountered this problem 400 years ago. His discoveries, based on careful observations and ingenious experiments, contradicted conventional wisdom and the teachings of the church at the time. Consequently, in a blatant assault on freedom of thought, his books were forbidden by church authorities. Astrophysicist and bestselling author Mario Livio draws on his own scientific expertise and uses his "gifts as a great storyteller" (The Washington Post) to provide a "refreshing perspective" (Booklist) into how Galileo reached his bold new conclusions about the cosmos and the laws of nature. A freethinker who followed the evidence wherever it led him, Galileo was one of the most significant figures behind the scientific revolution. He believed that every educated person should know science as well as literature, and insisted on reaching the widest audience possible, publishing his books in Italian rather than Latin. Galileo was put on trial with his life in the balance for refusing to renounce his scientific convictions. He remains a hero and inspiration to scientists and all of those who respect

science—which, as Livio reminds us in this “admirably clear and concise” (The Times, London) book, remains threatened everyday.

A close look at the trial of Galileo in 1633 & the consequences of his condemnation for contending that the Bible is not a scientific authority. In parts of the US and elsewhere, the controversy continues to this day.

These six lessons on the subject of priorities are based on the book *Tyranny of the Urgent* by Charles Hummel. The study guide is part of a series, *Christian Basics*, which draws on well-loved Christian classics for content and organization.

Mark Noll has written a major indictment of American evangelicalism. Reading this book, one wonders if the evangelical movement has pandered so much to American culture and tried to be so popular only to lose not only its mind but its soul as well. For evangelical pastors and parishoners alike, this is a must read! --Robert Wuthnow.

Using the unique approach that he has employed in his previous books, author, columnist, and television commentator James Burke shows us our connections to the fifty-six men who signed the Declaration of Independence. Over the two hundred-plus years that separate us, these connections are often surprising and always fascinating. Burke turns the signers from historical icons into flesh-and-blood people: Some were shady financial manipulators, most were masterful political operators, a few were good human beings, and some were great men. The network that links them to us is also peopled by all sorts, from spies and assassins to lovers and adulterers, inventors and artists. The ties may be more direct for some of us than others, but we are all linked in some way to these founders of our nation. If you enjoyed Martin Sheen as the president on television's *The West Wing*, then you're connected to founder Josiah Bartlett. The connection from signer Bartlett to Sheen includes John Paul Jones; Judge William Cooper, father of James Fenimore; Sir Thomas Brisbane, governor of New South Wales; an incestuous astronomer; an itinerant math teacher; early inventors of television; and pioneering TV personality Bishop Fulton J. Sheen, the inspiration for Ramon Estevez's screen name, Martin Sheen.

Her professor just saw her mostly naked. Awkwardness is guaranteed to ensue. Proceeds for the month of release go to College Track (501c3), providing college scholarships and resources for vulnerable / limited resource populations. At [collegetrack.org](http://collegetrack.org) What do you do when your freakishly smart and wickedly sarcastic Research Methods professor sees you mostly naked? You befriend him, of course. 'Kissing Galileo' is the second book in the Dear Professor series, is 60k words, and can be read as a standalone. A shorter version of this story (40k words) was entitled 'Nobody Looks Good Naked' and was available via Penny Reid's newsletter for free over the course of 2018-19.

This book is for anyone who has ever been curious about using the Intel Galileo to create electronics projects. Some programming background is useful, but if you know how to use a personal computer, with the aid of the step-by-step instructions in this book, you can construct complex electronics projects that use the Intel Galileo.

The remarkable astronomical discoveries made by Galileo with the new telescope in 1609-10 led to his famous disputes with philosophers and religious authorities, most of whom found their doctrines threatened by his evidence for Copernicus's heliocentric universe. In this book, Eileen Reeves brings an art historical perspective to this story as she explores the impact of Galileo's heavenly observations on painters of the early

seventeenth century. Many seventeenth-century painters turned to astronomical pastimes and to the depiction of new discoveries in their work, yet some of these findings imposed controversial changes in their use of religious iconography. For example, Galileo's discovery of the moon's rough topography and the reasons behind its secondary light meant rethinking the imagery surrounding the Virgin Mary's Immaculate Conception, which had long been represented in paintings by the appearance of a smooth, incandescent moon. By examining a group of paintings by early modern artists all interested in Galileo's evidence for a Copernican system, Reeves not only traces the influence of science on painting in terms of optics and content, but also reveals the painters in a conflict between artistic depiction and dogmatic representation. Reeves offers a close analysis of seven works by Lodovico Cigoli, Peter Paul Rubens, Francisco Pacheco, and Diego Velázquez. She places these artists at the center of the astronomical debate, showing that both before and after the invention of the telescope, the proper evaluation of phenomena such as moon spots and the aurora borealis was commonly considered the province of the painter. Because these scientific hypotheses were complicated by their connection to Catholic doctrine, Reeves examines how the relationship between science and art, and their mutual production of knowledge and authority, must themselves be seen in a broader context of theological and political struggle.

The Intel Galileo board was designed to add the power of an Intel processor to the simplicity of the Arduino platform. Intel Galileo gives you the freedom to create a wide range of DIY projects. Intel Galileo Blueprints will be a detailed guide that covers several projects based on the Intel Galileo board, exploiting the full potential of the board. You will first go through how to set up the development environment for the Galileo board. Next, you will connect different kinds of sensors to the Galileo board, and learn how to use the SD card reader of the board. You will then connect actuators to the Galileo board, like a relay and a servomotor, and write simple software to control these components. Later, you will access the Galileo board remotely in order to monitor the measurements done by the board and send the measured data to a Twitter feed at regular intervals. Finally, you will move on to more advanced topics, such as building a complete home automation system, building a mobile robot controlled by the Intel Galileo board and computer vision applications such as face recognition.

Chronicles the life and times of the Tuscan astronomer and physicist, focusing on his defense of the Copernican theory and his struggles with the Catholic Church.

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Intel® Galileo and Intel® Galileo Gen 2: API Features and Arduino Projects for Linux Programmers provides detailed information about Intel® Galileo and Intel® Galileo Gen 2 boards for all software developers interested in Arduino and the Linux platform. The book covers the new Arduino APIs and is an introduction for developers on natively using Linux. Author Manoel Carlos Ramon is a member of the Intel Galileo development team; in this book he draws on his practical experience in working on the Galileo project as he shares the team's findings, problems, fixes, workarounds, and

techniques with the open source community. His areas of expertise are wide-ranging, including Linux-embedded kernel and device drivers, C/C++, Java, OpenGL, Assembler, Android NDK/SDK/ADK, and 2G/3G/4G modem integration. He has more than 17 years of experience in research and development of mobile devices and embedded circuits. His personal blog about programming is BytesThink ([www.bytesthink.com](http://www.bytesthink.com)).

Over 50 recipes that will help you use the Intel Galileo board to build exciting network-connected projects About This Book Create networking applications using the Intel Galileo board Control your web-based projects in real time from anywhere in the world Connect to the Temboo web service to interact with a huge range of APIs Who This Book Is For If you have already worked on ARM boards like Arduino, but now want to learn Intel Galileo, then this book is for you. Knowledge of C programming language is required. What You Will Learn Set up your Galileo board for the Internet of Things Connect external sensors to the Intel Galileo Create and run a web server on the Galileo board Control hardware devices from the Galileo Host web-based applications on the Intel Galileo Monitor data from the cloud using the Galileo Build a complete home automation hub using the Galileo board In Detail Arduino is an electronic prototyping platform used by millions of people around the world. Intel Galileo is fully Arduino compatible; hence it combines the high performance of Intel with the simplicity of Arduino Software Development Environment. This makes it the ideal platform to build exciting projects, especially in the field of web-based connected applications and the Internet of Things. The book features several recipes all based on the Intel Galileo board, and that exploit the powerful features of the board. Each chapter explores a given field using the Galileo board. The book is mainly divided in three parts. The first part is all about learning the basics of the Intel Galileo board, but it uses some of the powerful features of the board such as connecting external sensors and complex hardware devices, compared with more basic Arduino boards. Then, the book dives into the topics related to networking and the Internet of Things. You will learn how to run a web server on the board and log data using a cloud-based service. Finally, the book ends with a chapter that aims to build a complete home automation hub using the Galileo board. This chapter uses everything that was learned in the book to make a home automation system using the Galileo board and Arduino. Style and approach This book contains exciting recipes that will help you create projects using the Intel Galileo platform to build systems in various domains like local networking applications, the Internet of Things, and home automation. Each recipe is explained in a step-by-step fashion, always starting with the assembly of the hardware, followed by basics tests of all hardware components. At the end, an exciting project is built using the knowledge acquired in the rest of the book.

Now thoroughly revised and expanded, this classic booklet by Charles E. Hummel offers ideas and illustrations for effective time management.

Discusses controversies between science and Christianity in their historical contexts.

Discusses stewardship of time in a Biblical perspective and provides tips on time management.

“Larry Hart’s Truth Aflame brings together charismatic renewal and classic evangelical faith better than anything I have read. An important contribution to the contemporary renaissance in systematic theology!” Timothy George Dean of Beeson Divinity School of Samford University, Executive Editor of Christianity Today As the Pentecostal/charismatic movement continues to grow, so does the need for solid theological resources for its members. While there are many volumes of systematic theology available, very few are written from a distinctly charismatic perspective. Truth Aflame seeks to meet that need. While academically sound, Truth Aflame is written with a practical, pastoral flavor. Larry Hart defines systematic theology as the process of taking what the Bible teaches and relating it to contemporary questions and knowledge. His passion for the subject is evident: he is concerned that the reader both grasps the

magnificence of the study of God and allows these great truths to be transformative. This Truth, then—liberating, enlivening, and transforming Truth—becomes central to the ongoing renewal of the church that we are seeing in our day. Dr. Hart treats each of the traditional categories—revelation, God, creation, humanity, sin, Christ, salvation, the church, and last things—from a Pentecostal/charismatic perspective. He addresses other theological viewpoints but does not get bogged down in analysis and rebuttal. Further, he seeks to build bridges of understanding to those evangelicals outside the charismatic tradition. Clear, succinct, and readable, this revised and updated edition of Truth Aflame is well-suited not only for students, but for anyone desiring a greater understanding of Pentecostal/charismatic theology.

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