A More Perfect Heaven How Copernicus Revolutionized The Cosmos

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De Poolse bokser Eduardo Halfon 2019-02-12 Een ongrijpbare meesterverteller aan het woord Met verhalen die steeds meer samenhang blijken te vertonen, roept Eduardo Halfon een wereld op die zich laat lezen als een hecht opgebouwde roman. Ieder nieuw verhaal is op een verrassende manier verbonden met de andere verhalen en zet alles in een ander licht. Een joodse grootvader vertelt aan zijn kleinzoon hoe hij Auschwitz overleefde dankzij een Poolse bokser. Die had hem verteld welke woorden hij bij een verhoor door een SS’er wel en welke hij niet moest gebruiken. Maar welke woorden waren dat? We komen er als lezer vlakbij, maar het antwoord krijgen we nét niet. Waarom verschijnt die ene getalenteerde literatuurstudent, die intrigerende gedichten schrijft, van de ene op de andere dag niet meer op de universiteit? Docent Eduardo Halfon gaat tevergeefs naar hem op zoek. En waar blijft de Servische jazzpianist die in de straten van Belgrado op zoek is naar zijn zigeunerroots? Hoe zit het eigenlijk met ons geheugen – kun je de werkelijkheid wel beschrijven? LA Times: ‘Halfon vervaagt bewust de grenzen tussen roman, memoires en overpeinzingen. De kracht van De Poolse bokser is, dat het steeds is geworteld in het persoonlijke. Het is heel toegankelijk en zeer ontroerend.’ The New York Times: ‘De Poolse bokser heeft misschien wel nooit bestaan. En toch vermindert dit op geen enkele wijze het plezier dat Halfons verhalen bieden.’ El País: ‘Met zijn ingetogen en nauwkeurige proza verkruimelt Halfon onbetreden werelden en onthult hij het onbekende.’ Le Figaro: ‘Een ongelooflijk goede schrijver, die Halfon, zijn woorden zijn droog als kiezelstenen.’ Daily Telegraph: ‘De Poolse bokser staat ergens tussen Roberto Bolaño en W.G. Sebald. Het is raadselachtig, ongewoon en inspirerend.’

Longitude Dava Sobel 2009-07-01

The Planets Dava Sobel 2006-10-31 Explores the creation and evolution of the solar system's planets through a lens of popular culture, drawing on sources from astrology, science fiction, the fine arts, and other genres to chronicle planetary history in an accessible format.

Galileo's Daughter Dava Sobel 2000 The tender, inspiring relationship between Galileo and his daughter, a nun, is revealed through letters written between the two. Reprint.

Scientists and Inventors of the Renaissance Britannica Educational Publishing 2012-12-01 The ingenuity evidenced during the Renaissance was not just limited to the fine arts. A number of scientists and inventors also made astonishing breakthroughs in astronomy, medicine, physics, and more. Readers examine the scientific revolution, profiling Isaac Newton, Nicolaus Copernicus, Galileo, and many other great thinkers who transformed the scientific and mechanical worlds.

Backache Dava Sobel 1996-06-15 Argues that exercise is the best therapy for backache, discusses motivation, recommends specific exercises, and covers yoga, meditation, and life-style changes

Arthritis Dava Sobel 1991 The authors' discovery--based on a nationwide survey of people with arthritis--of the importance of nutrition in combatting arthritis pain puts relief within the reach of thousands. Praised by health care professionals and medical experts as one of the most valuable books on arthritis available and contains a 30-day meal plan and advice on treatments, surgery, and exercise.

The Copernican System Erik Richardson 2017-07-15 When Nicolaus Copernicus stated that Earth revolves around the sun, he initiated a centuries-long conflict between proponents of heliocentrism and those that maintained a geocentric view of the universe. The fight to establish the Copernican system, which began in 1543, would have very real consequences for astronomers like Galileo, Kepler, and Newton. This book provides an in-depth look at the development of Copernicus□s theory, the effect it had on the lives of scientists willing to defend it at great personal cost, and heliocentrism□s role in the latest astronomical research.

Arthritis Dava Sobel 1999

The Copernicus Complex Caleb Scharf 2014-09-04 Though the concept of "the universe" suggests the containment of everything, the latest ideas in cosmology hint that our universe may be just one of a multitude of others-a single slice of an infinity of parallel realities. In The Copernicus Complex, the renowned astrophysicist and author Caleb Scharf takes us on a cosmic adventure like no other, from tiny microbes within the Earth to distant exoplanets and beyond, asserting that the age-old Copernican principle is in need of updating. As Scharf argues, when Copernicus proposed that the Earth was not the fixed point at the center of the known universe (and therefore we are not unique), he set in motion a colossal scientific juggernaut, forever changing our vision of nature. But the principle has never been entirely true-we do live at a particular time, in a particular location, under particular circumstances. To solve this conundrum we must put aside our Copernican worldview and embrace the possibility that we are in a delicate balance between mediocrity and significance, order and chaos. Weaving together cutting-edge science and classic storytelling, historical accounts and speculations on what the future holds, The Copernicus Complex presents a compelling argument for what our true cosmic status is, and proposes a way forward for the ultimate quest: to determine life's abundance not just across this universe but across all realities.

The Room with the Second-Best View Dava Sobel 2017-01-04 #1 New York Times bestselling author Dava Sobel returns with the captivating, little-known true story of a group of women whose remarkable contributions to the burgeoning field of astronomy forever changed our understanding of the stars and our place in the universe In the mid-nineteenth century, the Harvard College Observatory began employing women as calculators, or human computers, to interpret the observations made via

telescope by their male counterparts each night. At the outset this group included the wives, sisters, and daughters of the resident astronomers, but by the 1880s the female corps included graduates of the new women's colleges Vassar, Wellesley, and Smith. As photography transformed the practice of astronomy, the ladies turned to studying the stars captured nightly on glass photographic plates. The glass universe of half a million plates that Harvard amassed in this period thanks in part to the early financial support of another woman, Mrs. Anna Draper, whose late husband pioneered the technique of stellar photography enabled the women to make extraordinary discoveries that attracted worldwide acclaim. They helped discern what stars were made of, divided the stars into meaningful categories for further research, and found a way to measure distances across space by starlight. Their ranks included Williamina Fleming, a Scottish woman originally hired as a maid who went on to identify ten novae and more than three hundred variable stars, Annie Jump Cannon, who designed a stellar classification system that was adopted by astronomers the world over and is still in use, and Dr. Cecilia Helena Payne-Gaposchkin, who in 1956 became the first ever woman professor of astronomy at Harvard and Harvard s first female department chair. Elegantly written and enriched by excerpts from letters, diaries, and memoirs, The Glass Universe is the hidden history of a group of remarkable women who, through their hard work and groundbreaking discoveries, disproved the commonly held belief that the gentler sex had little to contribute to human knowledge."

The Cosmos Jay M. Pasachoff 2019-07-11 Explains the fundamentals of astronomy together with the hottest current topics in this field, such as exoplanets and gravitational waves.

The Glass Universe Dava Sobel 2017-10-23 The Economist #1 New York Times bestselling author Dava Sobel returns with a captivating, little-known true story of women in science.

Backache Arthur C. Klein 1999 Combining Backache Relief and Backache: What Exercises Really Work?, this book provides answers and treatment options for every back pain problem: conventional medicine, drugs, surgery, alternative therapies, self-help techniques, diet and exercise plans.

Longitude Dava Sobel 1998 First published in 1996, Dava Sobel's story of an epic scientific quest - how to calculate longitude. The thorniest scientific problem of the day had occupied scientists and their patrons for the better part of two centuries until John Harrison dared to imagine a mechanical solution. The story encompasses astronomy, navigation and clockmaking.

The Dawn of Science Thanu Padmanabhan 2019-04-23 This lucid and captivating book takes the reader back to the early history of all the sciences, starting from antiquity and ending roughly at the time of Newton – covering the period which can legitimately be called the “dawn” of the sciences. Each of the 24 chapters focuses on a particular and significant development in the evolution of science, and is connected in a coherent way to the others to yield a smooth, continuous narrative. The at-a-glance diagrams showing the “When” and “Where” give a brief summary of what was happening at the time, thereby providing the broader context of the scientific events highlighted in that chapter. Embellished with colourful photographs and illustrations, and “boxed” highlights scattered throughout the text, this book is a must-read for everyone interested in the history of science, and how it shaped our world today.

And the Sun Stood Still Dava Sobel 2016-03-01 Using her deep knowledge, her skills as a storyteller, and her imagination, Dava Sobel illuminates one of history's most significant and far-reaching meetings. In the spring of 1539, a young German mathematician--Georg Joachim Rheticus--journeyed hundreds of miles to northern Poland to meet the legendary, elderly cleric and reluctant astronomer Nicolaus Copernicus. Some two decades earlier, Copernicus had floated the mind-boggling theory that the Sun, not the Earth, was stationary at the center of the universe, and he was rumored to have crafted a book that could prove it. Though exactly what happened between them can never be known, Rheticus shepherded Copernicus's great work into production and De revolutionibus orbium coelestium ultimately changed the course of human understanding. Dava Sobel imagines their dramatic encounter, and with wit and erudition gives them personality. Through clever and dramatic dialogue, she brings alive the months Rheticus and Copernicus spent together--the one a heretical Lutheran, the other a free-thinking Catholic--and in the process illuminates the historic tension between science and religion. An introduction by Dava Sobel will set the stage, putting the scenes in historical context, and an afterword will describe what happened after Copernicus's book was published detailing the impact it had on science and on civilization.

Galileo's Daughter Dava Sobel 2000 Galileo is seen as one of the greatest scientists ever, but little is known of his illegitimate daughter, Virginia. As a nun, she wrote 120 letters to her father from 1623 to her death from exposure and malnutrition ten years later. This text investigates the father-daughter relationship.

De vernieuwers Anton Blok 2013-09-06 Welke omstandigheden stelden mensen als Copernicus, Newton, Darwin, Mendel, Freud en Einstein in staat een nieuw gezichtspunt te ontwikkelen dat ons beeld van de wereld en onszelf blijvend heeft veranderd? Aan de hand van een collectieve biografie en inzichten uit de antropologie traceert De vernieuwers in de levens van enige tientallen geleerden en kunstenaars van de afgelopen vijf eeuwen een algemeen patroon van ontregelende tegenslag en buitensluiting. Geholpen door fortuinlijke ontmoetingen kwamen allen in een positie die ruimte en vrijheid schiep en het mogelijk maakte gevestigd gedachtegoed in twijfel te trekken. Tegenspoed werd omgezet in de strategische positie van de outsider. De vernieuwers zet zich af tegen wetenschapsgeschiedenis die als ideeëngeschiedenis meer over wetenschap dan over wetenschappers gaat. Het boek overstijgt ook het genre van de biografie dat overwegend beschrijvend is en zelden analytisch en vergelijkend. In de top van het bedrijfsleven en de universiteit treft men regelmatig de overtuiging aan dat `innovatie kan worden georganiseerd, gepland en uitgevoerd door onderzoeksteams. Dit boek laat zien dat `innovatie zich niet laat plannen, maar met vallen en opstaan niet zelden onbedoeld tot stand komt. Radicale vernieuwing is altijd het werk geweest van enkelingen bereid tegen de stroom in te gaan, te experimenteren, risicos te nemen, te falen en opnieuw te beginnen. Anton Blok studeerde culturele antropologie aan de Universiteit van Amsterdam, waar hij ook promoveerde. Hij was gasthoogleraar aan onder meer de University of California, Berkeley, en is als fellow verbonden geweest aan Yale University. Onder zijn vele publicaties bevinden zich De Bokkerijders. Roversbenden en geheime genootschappen in de Landen van Overmaas, 1730-1774 (1991), Honour and Violence (2001) en Niets is minder waar (2002). Hij is emeritus hoogleraar culturele antropologie aan de Universiteit van Amsterdam.

Illustrated Longitude Dava Sobel 2003 A fully illustrated edition of the international best-seller "Longitude." "The Illustrated Longitude" recounts in words and images the epic quest to solve the greatest scientific problem of the eighteenth and three prior centuries: determining how a captain could pinpoint his ship's location at sea. All too often throughout the ages of exploration, voyages ended in disaster when crew and cargo were either lost at sea or destroyed upon the rocks of an unexpected landfall. Thousands of lives and

the fortunes of nations hung on a resolution to the longitude problem. To encourage a solution, governments established prizes for anyone whose method or device proved successful. The largest reward of 20,000-- truly a king's ransom-- was offered by Britain's Parliament in 1714. The scientific establishment-- from Galileo to Sir Isaac Newton-- had been certain that a celestial answer would be found and invested untold effort in this pursuit. By contrast, John Harrison imagined and built the unimaginable: a clock that told perfect time at sea, known today as the chronometer. Harrison's trials and tribulations during his forty-year quest to win the prize are the culmination of this remarkable story. "The Illustrated Longitude" brings a new and important dimension to Dava Sobel's celebrated story. It contains the entire original narrative of "Longitude," redesigned to accompany 183 images chosen by William Andrewes-- from portraints of every important figure in the story to maps and diagrams, scientifc instruments, and John Harrison's remarkable sea clocks themselves. Andrewes's elegant captions and sidebars on scientific and historical events tell their own story of longitude, paralleling and illuminating Sobel's memorable tale.
Galileo's Daughter Dava Sobel 1999 "Galileo's Daughter dramatically recolors the personality and accomplishment of a mythic figure whose seventeenth-century clash with Catholic doctrine continues to define the schism between science and religion. Moving between Galileo's grand public life and Maria Celeste's sequestered world, Sobel illuminates the Florence of the Medicis and the papal court in Rome during the pivotal era when humanity's perception of its place in the cosmos was being overturned."--Jacket.
Renaissance Humanism Margaret L. King 2014-03-14 By far the best collection of sources to introduce readers to Renaissance humanism in all its many guises. What distinguishes this stimulating and useful anthology is the vision behind it: King shows that Renaissance thinkers had a lot to say, not only about the ancient world--one of their habitual passions--but also about the self, how civic experience was configured, the arts, the roles and contributions of women, the new science, the 'new' world, and so much more. --Christopher S. Celenza, Johns Hopkins University
A More Perfect Heaven Dava Sobel 2011-09-27 Traces the story of the reclusive sixteenth-century cleric who introduced the revolutionary idea that the Earth orbits the sun, describing the dangerous forces and complicated personalities that marked the publication of Copernicus's findings.
Extraterrestrials in the Catholic Imagination Jennifer Rosato 2021-02-10 What do scientists know about the possibility of life outside our solar system? How does Catholic science fiction imagine such worlds? What are the implications for Catholic thought? This collection brings together leading scientists, philosophers, theologians, and science fiction authors in the Catholic tradition to examine these issues. In the first section, Christian scientists detail the latest scientific findings regarding the possibility of life on exoplanets. The second part brings together leading Catholic science fiction authors who describe how “alien” life forms have been prevalent in the Catholic imagination from the Middle Ages right up to the present day. In the final section, Catholic philosophers and theologians examine the implications of discovering intelligent life elsewhere in the universe. Rather than worrying that the discovery of intelligent extraterrestrials might threaten the dignity of humans or their existence, the contributors here maintain that such creatures should be welcomed as fellow creatures of God and potential subjects of divine salvation.
This Dark Star Charles L. Ladner 2022-05-26 This book is unique. It is the first and only biographical study of the life of Thomas Digges who was a 16th century astronomer and the first to stipulate an infinite universe with countless number of stars. Previously all astronomers believed that the stars were attached to a dome or shell surrounding the planets. Digges shattered that illusion by observing the stars through a telescope some thirty years before Galileo. As a Parliamentarian and man of affairs, he was responsible for the reconstruction of Dover Harbor, the largest public works project during the Elizabethan era, and he served as Muster-Master General for the British Expeditionary forces assisting the Dutch in their war of independence.
Longitude Dava Sobel 2014-02-27 Anyone alive in the eighteenth century would have known that "the longitude problem" was the thorniest scientific dilemma of the day--and had been for centuries. Lacking the ability to measure their longitude, sailors throughout the great ages of exploration had been literally lost at sea as soon as they lost sight of land. Thousands of lives and the increasing fortunes of nations hung on a resolution. One man, John Harrison, in complete opposition to the scientific community, dared to imagine a mechanical solution--a clock that would keep precise time at sea, something no clock had ever been able to do on land. "Longitude" is the dramatic human story of an epic scientific quest and of Harrison's forty-year obsession with building his perfect timekeeper, known today as the chronometer. Full of heroism and chicanery, it is also a fascinating brief history of astronomy, navigation, and clockmaking, and opens a new window on our world.
Is Anyone Out There? Frank Drake 1993
Paradise Lost and the Cosmological Revolution Dennis Danielson 2014-11-06 This volume brings John Milton's Paradise Lost into dialogue with the challenges of cosmology and the world of Galileo, whom Milton met and admired: a universe encompassing space travel, an earth that participates vibrantly in the cosmic dance, and stars that are 'world[s] / Of destined habitation'. Milton's bold depiction of our universe as merely a small part of a larger multiverse allows the removal of hell from the center of the earth to a location in the primordial abyss. In this wide-ranging work, Dennis Danielson lucidly unfolds early modern cosmological debates, engaging not only Galileo but also Copernicus, Tycho, Kepler, and the English Copernicans, thus placing Milton at a rich crossroads of epic poetry and the history of science.
Science and Technology in World History James E. McClellan III 2015-12-15 Facts and figures have been thoroughly updated and the work includes a comprehensive Guide to Resources, incorporating the major published literature along with a vetted list of websites and Internet resources for students and lay readers.
The Glass Universe Dava Sobel 2016-12-06 From #1 New York Times bestselling author Dava Sobel, the "inspiring" (People), little-known true story of women's landmark contributions to astronomy A New York Times Book Review Notable Book of 2017 Named one of the best books of the year by NPR, The Economist, Smithsonian, Nature, and NPR's Science Friday Nominated for the PEN/E.O. Wilson Literary Science Writing Award "A joy to read.” —The Wall Street Journal In the mid-nineteenth century, the Harvard College Observatory began employing women as calculators, or “human computers,” to interpret the observations their male counterparts made via telescope each night. At the outset this group included the wives, sisters, and daughters of the resident astronomers, but soon the female corps included graduates of the new women's colleges—Vassar, Wellesley, and Smith. As photography transformed the practice of astronomy, the ladies turned from computation to studying the stars captured nightly on glass photographic plates. The “glass universe” of half a million plates that Harvard amassed over the ensuing decades—through the generous support of Mrs. Anna Palmer Draper, the widow of a pioneer in stellar

photography—enabled the women to make extraordinary discoveries that attracted worldwide acclaim. They helped discern what stars were made of, divided the stars into meaningful categories for further research, and found a way to measure distances across space by starlight. Their ranks included Williamina Fleming, a Scottish woman originally hired as a maid who went on to identify ten novae and more than three hundred variable stars; Annie Jump Cannon, who designed a stellar classification system that was adopted by astronomers the world over and is still in use; and Dr. Cecilia Helena Payne, who in 1956 became the first ever woman professor of astronomy at Harvard—and Harvard's first female department chair. Elegantly written and enriched by excerpts from letters, diaries, and memoirs, The Glass Universe is the hidden history of the women whose contributions to the burgeoning field of astronomy forever changed our understanding of the stars and our place in the universe.

To Father Maria Celeste Galilei 2001 The story of Galileo's daughter, Sister Maria Celeste, as told through her letters to her father. A companion to the bestselling Galileo's Daughter, the letters are edited and introduced by Dava Sobel.

Backache Dava Sobel 2013-05-21 What is the most powerful backache treatment ever developed to help prevent recurring back pain and restore you to a healthy, pain-free life? The answer is exercise. Exercise has: Helped more bachache sufferes than drugs, surgery, or any other treatment--without dangerous side effects Been widely prescribed by medical doctors and other health practitioners. Been rated the best source of relief by backache sufferers themselves Been uniformly supported by current medical research Each exercise is explained in words and diagrams so that even a beginner can put together an individualized exercise program that works. Included are: Exercises to relieve acute and chronic plain, plus preventative measures Self evaluation checklists Instructions for increasing activity levels Tips on performing everyday activities without pain Let Dava Sobel and Arthur C. Klein's Backache: What Exercises Work work wonders in ending your back pain. Only this book has the techniques you need.

The Sun-Centered Universe and Nicolaus Copernicus Fred Bortz 2013-12-15 Before Copernicus, educated people believed without a doubt that the sun and the planets traveled around Earth. Through his brilliant thinking and years of careful observation and documentation, Copernicus turned this idea on its head, making the astonishing assertion that Earth revolves around the sun. In this engaging biography, the author traces the great scientist's life and influences in Europe in the fifteenth and sixteenth centuries, including his work in the Roman Catholic Church. The title is an excellent resource for Common Core anchor standard 3: analyzing the development of individuals, events, and ideas.

To Father Dava Sobel 2005-05 Galileo's daughter was her father's greatest source of strength during his most difficult time. Galileo was at the heart of the most dramatic collision between science & religion in history. He was also a loving father who treasured his illegitimate daughter, Virginia, perhaps her father's equal in brilliance & sensibility. Since marriage was impossible, she entered a convent to spend the rest of her days there as Sister Maria Celeste. Her 124 letters span the decade in which a new Pope battled the Reformation; the 30 Years' War embroiled Europe; the bubonic plague erupted; & a new philosophy of science threatened to overturn the order of the universe. Her evocative letters touch on all of these situations, but they dwell in the details of everyday life.

Backache Relief Arthur C. Klein 1985

Longitude Dava Sobel 1998 Sobel presents the dramatic human story of an epic scientific quest and of John Harrison's 40-year obsession with building the perfect timekeeper, known today as the chronometer.

Galileos Tochter Dava Sobel 2001

Arthritis: What Exercises Work Dava Sobel 2013-04-26 What is the most powerful arthritis treatment ever developed to help restore you to a healthy, pain-free, and vigorous life--for the rest of your life? It's the very same breakthrough that has: --Helped more arthritis sufferers than drugs, surgery, or any other treatment--without dangerous side effects. --Been widely prescribed by medical doctors and other health practitioners. The answer? Exercise. Here are the right exercised for your kind of arthritis, pain-level, age, occupation, and hobbies. And they're the most effective exercises for arthritis available anywhere--rated "best" by arthritis sufferers themselves in an unprecedented nationwide survey...supported by medical doctors...and backed by the latest research. Let Dava Sobel and Arthur C. Klein's Arthritis: What Exercises Work work wonders in ending your arthritis pain--forever!

Letters to Father Maria Celeste Galilei 2005-11 When she was 13, Virginia Galilei, eldest daughter of the great scientist Galileo, was placed in a convent in Florence. She wrote him continually, as her 124 surviving letters attest. Here, all of these letters are reproduced in English & in their original Italian. The letters span only a decade. In that dramatic period, a pope came to power who battled the Protestant Reformation; the 30 Years' War embroiled all of Europe; the bubonic plague erupted across Italy; & a new philosophy of science, promulgated most forcefully by Galileo himself, threatened to overturn the order of the universe. Maria Celeste's letters touch on all of these situations. Her words provide an indelible chronicle of convent life in the early 17th century.

A More Perfect Heaven Dava Sobel 2012-10-01 The bestselling author of Longitude and Galileo's Daughter tells the story of Nicolaus Copernicus and the revolution in astronomy that changed the world.