

Starry Night Lab Answers

The three-volume set LNCS 9737-9739 constitutes the refereed proceedings of the 10th International Conference on Universal Access in Human-Computer Interaction, UAHCI 2016, held as part of the 10th International Conference on Human-Computer Interaction, HCII 2016, in Toronto, ON, Canada in July 2016, jointly with 15 other thematically similar conferences. The total of 1287 papers presented at the HCII 2016 conferences were carefully reviewed and selected from 4354 submissions. The papers included in the three UAHCI 2016 volumes address the following major topics: novel approaches to accessibility; design for all and eInclusion best practices; universal access in architecture and product design; personal and collective informatics in universal access; eye-tracking in universal access; multimodal and natural interaction for universal access; universal access to mobile interaction; virtual reality, 3D and universal access; intelligent and assistive environments; universal access to education and learning; technologies for ASD and cognitive disabilities; design for healthy aging and rehabilitation; universal access to media and games; and universal access to mobility and automotive.

Griffith's 5 Minute Clinical Consult, 2000 represents the eighth annual edition of a well-known quick reference for current medical diagnosis and treatment. It covers more than 1,000 medical/surgical conditions in the famous fast-access two-page format that includes basics, diagnosis, treatment, medications, follow-up, and miscellaneous considerations. Topics are arranged alphabetically and cross-indexed to synonyms. Written by over 330 experienced clinicians, this edition reflects current practice norms and the consensus of the majority of experts. Approximately 60% of the articles are revised and updated. The medication index is expanded, and listings of current Web sites covering various diseases are provided.

A young girl thirsts for love and freedom, but at what cost? Ruby dreams of escaping the Congregation. Escape from slaver Darwin West and his cruel Overseers. Escape from the backbreaking work of gathering water. Escape from living as if it is still 1812, the year they were all enslaved. When Ruby meets Ford—an irresistible, kind, forbidden new Overseer—she longs to run away with him to the modern world where she could live a normal teenage life.

Escape with Ford would be so simple. But if Ruby leaves, her community is condemned to certain death. She, alone, possesses the secret ingredient that makes the water so special—her blood—and it's the one thing that the Congregation cannot live without. Drought is the haunting story of one community's thirst for life, and the dangerous struggle of the only girl who can grant it.

Discovering the Universe: From the Stars to the Planets engages students with an inquiry-based exploration of the universe and the scientific process. Developed with a “big picture” approach, the text first explains how the stars, the galaxies, and the entire universe formed, and then discusses planets and other components of our solar system. Students follow this natural conceptual progression within a proven learning method designed to address misconceptions and build a deep understanding of science and the world around us.

Griffith's 5 Minute Clinical Consult 2000

Starry Night

Robert Ludlum's The Altman Code

Hayride

Book 1

Wonders of the Night Sky You Must See Before You Die

Explores the major themes of van Gogh's paintings and his life, as well as his ties to the Impressionist movements and Art Nouveau, devoting special attention to his painting "Starry Night."

As the daughter of a drug dealer, Wavy knows not to trust people, not even her own parents. It's safer to keep her mouth shut and stay out of sight. Struggling to raise her little brother, Donal, eight-year-old Wavy is the only responsible adult around. Obsessed with the constellations, she finds peace in the starry night sky above the fields behind her house, until one night her star gazing causes an accident. After witnessing his motorcycle wreck, she forms an unusual friendship with one of her father's thugs, Kellen, a tattooed ex-con with a heart of gold. By the time Wavy is a teenager, her relationship with Kellen is the only tender thing in a brutal world of addicts and debauchery. When tragedy rips Wavy's family apart, a well-meaning aunt steps in, and what is beautiful to Wavy looks ugly under the scrutiny of the outside world. Kellen may not be innocent, but he is the fixed point in Wavy and Donal's chaotic universe.

Instead of playing it safe, Wavy has to learn to fight for Kellen, for her brother, and for herself. About the Author Bryn Greenwood is a fourth-generation Kansan, one of seven sisters, and the daughter of a mostly reformed drug dealer. She earned a MA in Creative Writing from Kansas State University. She is the New York Times bestselling author of the novels *The Reckless Oath We Made*, *All the Ugly and Wonderful Things*, *Last Will*, and *Lie Lay Lain*. She lives in Lawrence, Kansas. Industry Reviews New York Times bestseller USA Today bestseller

David is a lawyer with a passion for videogames, even if his job doesn't let him play to his heart's content he is happy with playing every Saturday or Sunday in his VR capsule and, like everyone else, waits impatiently for the release of *Steel Soul Online*, the first VR Mecha game that combined magic and technology and the largest ever made for said system, But his life changed completely one fateful night while riding his Motorbike. Now in the world of SSO, he'll try to improve and overcome his peers, make new friends and conquer the world!... but he has to do it in the most unconventional way possible in a world where death is lurking at every step!

Freeman's briefest, least expensive introductory astronomy text. *Discovering the Essential Universe, Fourth Edition (DEU 4e)* is designed to help students overcome common misconceptions about astronomy. It provides up-to-date explanations of core concepts in a flexible and student-friendly text, supported by an impressive collection of multimedia resources developed by astronomy education researchers.

Clone Two

Archives of Pathology & Laboratory Medicine

Animal Movement and the Robots of the Future

Van Gogh

Out of the Lab and into the Limelight

Taste in an Age of Endless Choice

Explore the curiosities of our galaxy with this comprehensive, digestible guide to astronomy! Too often, textbooks obscure the beauty and wonder of outer space with tedious discourse that even Galileo would oppose. *Astronomy 101* cuts out the boring details and lengthy explanations, and instead, gives you a lesson in astronomy that keeps you engaged as you discover what's hidden beyond our starry sky. From the Big Bang and nebulae to the Milky Way and Sir Isaac Newton, this celestial primer is packed with hundreds of entertaining astronomy facts, charts, and photographs you won't be able to get anywhere else. So whether you're looking to unravel the mystery behind black

holes, or just want to learn more about your favorite planets, Astronomy 101 has all the answers—even the ones you didn't know you were looking for.

Seventeen-year-old Julien falls in love with the muse, Clio, as he tries to save her and the Mus ee D'Orsay's collection of Impressionist art after learning the paintings are reacting to a curse set by Renoir that trapped Clio in his painting.

Why do we get so embarrassed when a colleague wears the same shirt? Why do we eat the same thing for breakfast every day, but seek out novelty at lunch and dinner? How has streaming changed the way Netflix makes recommendations? Why do people think the music of their youth is the best? How can you spot a fake review on Yelp? Our preferences and opinions are constantly being shaped by countless forces - especially in the digital age with its nonstop procession of "thumbs up" and "likes" and "stars." Tom Vanderbilt, bestselling author of *Traffic*, explains why we like the things we like, why we hate the things we hate, and what all this tell us about ourselves. With a voracious curiosity, Vanderbilt stalks the elusive beast of taste, probing research in psychology, marketing, and neuroscience to answer myriad complex and fascinating questions. If you've ever wondered how Netflix recommends movies or why books often see a sudden decline in Amazon ratings after they win a major prize, Tom Vanderbilt has answers to these questions and many more that you've probably never thought to ask.

This succinct book presents a thorough review of a large number of common as well as challenging cases relating to hepatobiliary and pancreatic disorders. Each case is systematically organized in terms of symptoms, radiological findings, clinical correlation and diagnosis and management.

Journals of Unrequited Quests for Etiology

Book One - The Birth

10th International Conference, UAHCI 2016, Held as Part of HCI International 2016, Toronto, ON, Canada, July 17-22, 2016, Proceedings, Part III

Vera Pyle's Current Medical Terminology

Steel Soul Online

Discovering the Universe

The New Orleans Flood, U.S. Corruption, and Other Types of Disasters In the aftermath of one of the worst disasters in U.S. history, *Words Whispered in Water* tells the story of one woman's fight—against all odds—to expose a mammoth federal agency—and win. It's a horror story, a mystery, and David and Goliath story all in one. In 2005, the entire world watched as a major U.S. city was nearly wiped off the map. The levees ruptured and New Orleans drowned. But while

newscasters attributed the New Orleans flood to “natural catastrophes” and other types of disasters, citizen investigator Sandy Rosenthal set out to expose the true culprit and compel the media and government to tell the truth. This is her story. When the protective steel flood-walls broke, the Army Corps of Engineers—with cooperation from big media—turned the blame on natural types of disasters. In the chaotic aftermath, Rosenthal uncovers the U.S. corruption, and big media at root. Follow this New Orleans hero as she exposes the federal agency’s egregious design errors and eventually changes the narrative surrounding the New Orleans flood. In this engaging and revealing tale of man versus nature and man versus man, *Words Whispered in Water* proves that the power of a single individual is alive and well. If you enjoyed books like *The Johnstown Flood*, *Breach of Faith*, or *The Great Deluge*, then *Words Whispered in Water* is your next read!

Their last time-travelling mishap still fresh in their minds, Grace and Jack are on edge about what might happen next. Grace’s memories of her solo trip to the future are never far away. When the future begins to seep out into the present, they must stick to the rules or risk the consequences. They set themselves the task of finding out more about the mysterious ink, ending up in the past in a mysterious science lab. Could their new discovery also shed some light onto their mysterious friends at 21BUT22?

The Soulmate Prophecy By: Yasmina Haque Lovelin Khan, a bestselling author of time travel romance novels, needs a vacation. Crippled by writer’s block and annoyed by the selfishness of the people around her, she makes plans for an exotic escape. A change of scene could ignite some fresh ideas - or maybe more dreams of a gorgeous, mysterious man. Dr. Kaelyn K. Stonebridge, the most brilliant geneticist in the world, needs a vacation. He’s lived his whole life in the Underground, a top secret multi-government controlled underworld research facility a mile beneath the Pacific Ocean. Here, the most brilliant scientific minds live and work in secrecy, desperate to save the planet. But when genetic experiments have unexpected results and unusual number of deaths occur, Dr. Stonebridge can only find solace in his dreams of a beautiful, enticing woman. Blending science fiction and romance, ancient Egypt and the modern world, action and humor, *Book One - The Birth* is the thrilling beginning to the *The Soulmate Prophecy* trilogy.

Do you enjoy looking at the night sky but aren’t sure how to keep track of what you’ve seen? Maybe you’re looking to take your night watching to another level and find more incredible sights? Bob King’s bucket list collection of 57 must-see night sky wonders and dark sky destinations will fill your nights with adventure and the ability to see some of the incredible phenomenon of the sky. Learn how to find and all about the brightest and best stars, planets, meteors, comets and constellations using the naked eye, binoculars, telescopes and apps. Complete with background information, sight-seeing activities, technological resources and a comprehensive checklist to keep track of your travels, this is the ultimate pocket resource for any sky watcher. This book will feature 57 different activities and 60 photos.

The Soulmate Prophecy

A Covert-One Novel

Words Whispered in Water

Forty-Two Minutes

Viliuisk Encephalomyelitis

Astronomy is written in clear non-technical language, with the occasional touch of humor and a wide range of clarifying illustrations. It has many analogies drawn from everyday life to help non-science majors appreciate, on their own terms, what our modern exploration of the universe is revealing. The book can be used for either a one-semester or two-semester introductory course (bear in mind, you can customize your version and include only those chapters or sections you will be teaching.) It is made available free of charge in electronic form (and low cost in printed form) to students around the world. If you have ever thrown up your hands in despair over the spiraling cost of astronomy textbooks, you owe your students a good look at this one. Coverage and Scope Astronomy was written, updated, and reviewed by a broad range of astronomers and astronomy educators in a strong community effort. It is designed to meet scope and sequence requirements of introductory astronomy courses nationwide. Chapter 1: Science and the Universe: A Brief Tour Chapter 2: Observing the Sky: The Birth of Astronomy Chapter 3: Orbits and Gravity Chapter 4: Earth, Moon, and Sky Chapter 5: Radiation and Spectra Chapter 6: Astronomical Instruments Chapter 7: Other Worlds: An Introduction to the Solar System Chapter 8: Earth as a Planet Chapter 9: Cratered Worlds Chapter 10: Earthlike Planets: Venus and Mars Chapter 11: The Giant Planets Chapter 12: Rings, Moons, and Pluto Chapter 13: Comets and Asteroids: Debris of the Solar System Chapter 14: Cosmic Samples and the Origin of the Solar System Chapter 15: The Sun: A Garden-Variety Star Chapter 16: The Sun: A Nuclear Powerhouse Chapter 17: Analyzing Starlight Chapter 18: The Stars: A Celestial Census Chapter 19: Celestial Distances Chapter 20: Between the Stars: Gas and Dust in Space Chapter 21: The Birth of Stars and the Discovery of Planets outside the Solar System Chapter 22: Stars from Adolescence to Old Age Chapter 23: The Death of Stars Chapter 24: Black Holes and Curved Spacetime Chapter 25: The Milky Way Galaxy Chapter 26: Galaxies Chapter 27: Active Galaxies, Quasars, and Supermassive Black Holes Chapter 28: The Evolution and Distribution of Galaxies Chapter 29: The Big Bang Chapter 30: Life in the Universe Appendix A: How to Study for Your Introductory Astronomy Course Appendix B: Astronomy Websites, Pictures, and Apps Appendix C: Scientific Notation Appendix D: Units Used in Science Appendix E: Some Useful Constants for Astronomy Appendix F: Physical and Orbital Data for the Planets Appendix G: Selected Moons of the Planets Appendix H: Upcoming Total Eclipses Appendix I: The Nearest Stars, Brown Dwarfs, and White Dwarfs Appendix J: The Brightest Twenty Stars Appendix K: The Chemical Elements Appendix L: The Constellations Appendix M: Star Charts and Sky Event Resources

Mirabel Campbell is a brilliant but bored scientist and amateur astronomer who wants to trade in her microscope and telescope for a career with a little more excitement. She abruptly gets her wish - her life is transformed into nothing less than high adventure when she spots what she thinks might be a new comet in the California desert night sky. What she doesn't know could kill her because the flash of light is really a top-secret nanosatellite, and its discovery combined with her scientific specialty makes her the target of a mysterious psychopath who sends an assassin to silence her. Instead, her friends begin to die around her. As if all that wasn't enough, Sully, her CIA ex-husband, whom she still loves, gets involved. Now, she also has to deal with the government and

some long-buried emotions. Mirabel must learn how to stay alive in a covert world of political intrigue where the unexpected is the norm, and she's not the kind of woman who'll wait for her ex-husband or anyone else to make her decisions. She made a promise to find out what's so special about that tiny point of light in the sky, and she intends to keep that promise. Sensuality Level: Behind Closed Doors

New York Times Bestselling Series For three decades, Robert Ludlum's bestselling novels have set the standard in almost every country in the world against which all other novels of international intrigue are measured. Now *The Altman Code* is the latest volume in the series of novels featuring Robert Ludlum's Covert-One. In the middle of the night, on the dark waterside docks of Shanghai, a photographer is recording cargo being secretly loaded when he's brutally killed and his camera destroyed. Shortly thereafter Covert-One director Fred Klein brings the word to the President that there's a Chinese cargo ship rumored to be carrying tons of chemicals to be used by a rogue nation to create new biological weapons. The President cannot let the ship land and risk the consequences of a new stockpile of deadly chemical weapons. Klein is ordered to get the President solid proof of what the Chinese ship is ferrying. Covert-One agent Jon Smith is sent to rendezvous in Taiwan with another agent who has acquired the ship's true manifest. But before Smith can get the document, the two agents are ambushed, the second agent is murdered, the proof is destroyed, and Smith escapes with only his life, scant clues to mystery behind the cargo ship, and a verbal message---the President's biological father is still alive, held prisoner by the Chinese for fifty years. As the Chinese cargo ship draws ever closer to its end port, Smith must race against the clock to uncover the truth about the ship and its cargo, a truth that probes the deepest secrets of the Chinese ruling party, the faction in Washington working to undermine the elected government, and the international cabal who is thrusting the world to the very brink of war.

The previous editions of this popular best seller have made diagnosis and treatment easier and more efficient for thousands of practitioners. The Seventh Edition reflects the current standard of practice, and the consensus of over 330 experienced clinical experts. Like its predecessors, the new 5 Minute Clinical Consult covers over 1,000 topics, arranged alphabetically and presented in the famous, fast-access two-page outline format including basics, diagnosis, treatment, medications, follow-up, and more. Approximately 60% of the articles are revised to give readers up-to-date information. The medication index is expanded, and readers will also find listings of current Web sites for some of the diseases and conditions.

Griffith's 5 Minute Clinical Consult 2001

Engaging in Astronomical Inquiry

LD + A.

Psychosomatic Energetics Reader

Universal Access in Human-Computer Interaction. Users and Context Diversity

Lighting Design + Application

It's Carole's birthday, and the Saddle Club is planning an extra-special celebration. They're

having their first boy-girl party, which will include a romantic moonlit hayride. When snooty Veronica diAngelo hears about their plans, she assumes she isn't invited. And now Veronica is determined to wreck the party—and steal one of the Saddle Club's boyfriends!

☢☣ For fans who loved Divergent comes an astonishing dystopian romance like no other. ☢☣ Mallory's been hiding who she is for 18 years... But now her terrible secret has been exposed. Branded Irrelevant, Mallory is cut off from everything she knows. Irrelevants are criminals, banished to live in the old city. But in the wasteland between the new city and the old, she stumbles on Cristan. He's bitter, paranoid, and possibly crazy... He may also be right about everything. To survive, Mallory must figure out who to trust, and embrace the behaviour she's been taught to deny. The answers may lie in a place even the most rebellious Irrelevants won't go. Keywords: Free Young Adult Dystopian Romance, Free Young Adult Dystopian, Diverse Romance, Romance for teens, dystopian, Autism, books with autistic characters, coming on age romance, special needs fiction, teen reads, first in series, books for teens, teen books with neurodiverse characters, free teen romance, free disability romance, free romance, free first in series, YA free read

Beside the Universe is a trilogy from three previous titles: Beyond the Benign, Aside from Infinity, and Across the Cosmos. These mostly science fiction short stories have been partially re-written, and in some cases amplified for clarity or to better convey their content. A few new stories have also been added to replace those deemed of less interest. Readers will find a wide range of curious topics: extra-terrestrials, robotic androids, climate change, dark matter, biotechnology, the American Indian spirit world, and much more!

Discovering the Essential Universe Macmillan

How to Walk on Water and Climb up Walls

All the Ugly and Wonderful Things

From the Sun and Moon to Wormholes and Warp Drive, Key Theories, Discoveries, and Facts about the Universe

Paired Passages, Grade 1

Astronomy 101

Cases in Hepatobiliary & Pancreatic Imaging

This brand-new Tenth Edition of the Silver Book is a reliable glossary of new, difficult, and hard-to-find medical terms and definitions that are not yet appearing in major medical dictionaries. This edition features 3,000 new entries and thousands of updated entries. The book includes concise definitions, examples of use in dictation, assistance with sound-alikes, extensive cross-referencing, and a convenient quick reference list including medical devices, medications, operations, tests, diseases, syndromes, MRI terms, pathogens, and more.

Lexy Monroe has spent her entire life trying to survive the nightmare of her mother's alcoholism. Every minute of every day is a countdown to the next blackout. She fears nothing will ever change, until one day she finds a letter that changes everything. Dark, painful secrets are uncovered as Lexy travels to her family's ranch in Tennessee - a family she didn't even realize she had. She needs to find out the truth about her mom that causes her to want to destroy herself the way she does. She knows something horrible happened to her there, and is determined to find out what her mother has been hiding from her all these years. While at the ranch, Lexy meets Nick Walker who is just as damaged and broken as she is. A devastating accident has caused him to shut down and shut everyone out. But just as Lexy begins to break through his walls, a terrifying tragedy threatens to tear all their lives apart.

Paired Passages for grade 1 offers pairs of nonfiction and fiction passages for students to compare and contrast. Separated by topic and aligned to state standards, students will read high-interest passages about topics such as birds, nocturnal animals, soccer, and more. Help your students meet rigorous college- and career-ready expectations by improving reading comprehension skills. Paired Passages helps students meet and exceed reading standards by teaching them to compare and contrast fiction with nonfiction, fiction with fiction, and nonfiction with nonfiction. When students finish reading a pair of passages, they will rely on the text to complete the accompanying questions and activities. The Paired Passages series for grades 1 to 6 improves reading comprehension skills by providing passages for students to compare, contrast, and synthesize. Filled with content that appeals to today's learners, the passages represent a variety of genres such as literature (narrative, poetry, realistic fiction, and more), social studies, and science. Each topic features a pair of passages and is followed by two pages of text-dependent questions and activities. By using this research-based instructional approach, you are preparing students for a successful academic journey this year and for years to come.

This quick reference for current medical diagnosis and treatment covers more than 1,000 medical/surgical conditions in a fast-access format that includes basics, diagnosis, treatment, medications, and more. This edition is thoroughly updated to reflect contemporary practice norms, and includes expanded indexes and listings of Web sites.

A Free Young Adult Dystopian Romance

Starry Nights

From the Stars to the Planets

Astronomers and Poets Read the Sky

Griffith's 5-Minute Clinical Consult, 2004

Drought

The Psychosomatic Energetics^T (PSE) Readers are addressed to therapists as well as interested laypersons. There are currently available in German three volumes of a larger series, with future plans to turn them into a reference-style Handbook Library. This

English-language Reader provides an initial representative cross-section of the currently published volumes. This Reader is intended to depict the broad spectrum of diseases and health disturbances that can be treated with PSE (most of the time successfully). The spectrum extends from epilepsy, psychosis and anxiety disease all the way to burnout syndrome and erectile dysfunction. Many dedicated colleagues have reported their experiences in daily practice. In addition, this volume presents three successful ongoing studies, including a general-medicine clinical study and the "Butterfly" study of Austrian schoolchildren. The Reader is published under the auspices of the Swiss-based International Society for Psychosomatic EnergeticsT [Internationale Gesellschaft fur Psychosomatische Energetik], an association of certified energy therapists that is responsible for and promotes training, continuing education and research in PSE."

(Young adult post-apocalyptic series) Journey "I've never agreed with Chime's need to pander to the Crawlers." Ande leans past me to look out the window. I follow his gaze, the glow from the two bulbs casting some light over the dark and lonely station outside. "It's time we were independent. The Crawlers are spooky and untrustworthy, say one thing, mean another." He turns his head, face very close to mine. "They steal kids sometimes, never own up to their promises." Ande takes a step back, smile returning. "We can just hope there aren't any Crawlers out there." He waves beyond him, up the tracks. Before I get a chance to agree, Chime reappears, slamming her way through the sliding door. "Last stop," she growls at me. "Everybody off." Trio and her friends have escaped the remains of Los Angeles and the horrible Crawlers intent on her capture, finally on their way to New York. But the train they ride offers more threats than comfort, both from the uncertain track stretching out before them to the infighting and open dislike from train boss Chime and her crew. Trio has no choice, her heart and soul pushing her across the country, toward a task she can't remember and a damaged clone who will call her sister. KEYWORDS: post-apocalyptic series, young adult dystopian series, young adult dystopian books, post-apocalyptic books

"This book contains a collection of astronomy assignments like no other book available. The lessons in Engaging in Astronomical Inquiry reflect an innovative approach to

learning astronomy by putting you, the learner, in the center of each and every lesson. In these lessons, you decide what specific topics you want to study, create your own research questions, design your own strategies to pursue the evidence, and defend your scientific conclusions based on the data you collect. If this sounds like you are responsible for your own learning in these lessons, you are exactly right. In *Engaging in Astronomical Inquiry*, you are the astronomer out there collecting data about objects in the cosmos." -- Preface.

Can a writing textbook inform and entertain? Can a very brief rhetoric also function as a stand-alone guide to college writing? Yes and yes. *Speaking of Writing* is a concise yet comprehensive rhetoric with readings. Informed by scholarship in Writing Studies, this book follows four college students from diverse backgrounds as they face the challenges of reading, writing, and critical thinking in first-year writing and across the disciplines. Each chapter engages students in relatable, often humorous scenarios that focus on key challenges. Through its story-based approach, *Speaking of Writing* enacts student-centered and process-based pedagogy, showing students learning to address fundamental questions: How can I apply my own strategies for success to new assignments? How can I maintain my own voice when asked to compose in an academic style? What do college professors mean by a "thesis," and how is this different from what my high-school teachers meant? Why is this argument weak, and how can I make it stronger? The book's narrative vividly dramatizes a draft-and-revision process that includes instructor feedback, peer review, and careful research.

Beside the Universe

Irrelevant

Speaking of Writing: A Brief Rhetoric

Griffith's 5-Minute Clinical Consult, 2002

Astronomy

Griffith's 5-Minute Clinical Consult 1999

Over the centuries the starry night sky has inspired poets and scientists alike, and the fruits of these inspirations enrich each other. Acclaimed science writer Levy has traced writers that celebrate the twin visions of human wonder and curiosity--including

Shakespeare, Milton, Keats, Galileo and more--as expressed in poetry and astronomy.

A new cultural icon strode the world stage at the turn of the twenty-first century: the celebrity scientist, as comfortable in Vanity Fair and Vogue as Smithsonian. Declan Fahy profiles eight of these eloquent, controversial, and compelling sellers of science to investigate how they achieved celebrity in the United States and internationally—and explores how their ideas influence our understanding of the world. Fahy traces the career trajectories of Richard Dawkins, Stephen Hawking, Steven Pinker, Neil deGrasse Tyson, Brian Greene, Stephen Jay Gould, Susan Greenfield, and James Lovelock. He demonstrates how each scientist embraced the power of promotion and popularization to stimulate thinking, impact policy, influence research, drive controversies, and mobilize social movements. He also considers critical claims that they speak beyond their expertise and for personal gain. The result is a fascinating look into how celebrity scientists help determine what it means to be human, the nature of reality, and how to prepare for society's uncertain future.

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Discovering the secrets of animal movement and what they can teach us Insects walk on water, snakes slither, and fish swim. Animals move with astounding grace, speed, and versatility: how do they do it, and what can we learn from them? In How to Walk on Water and Climb up Walls, David Hu takes readers on an accessible, wondrous journey into the world of animal motion. From basement labs at MIT to the rain forests of Panama, Hu shows how animals have adapted and evolved to traverse their environments, taking advantage of physical laws with results that are startling and ingenious. In turn, the latest discoveries about animal mechanics are inspiring scientists to invent robots and devices that move with similar elegance and efficiency. Hu follows scientists as they investigate a multitude of animal movements, from the undulations of sandfish and the way that dogs shake off water in fractions of a second to the seemingly crash-resistant characteristics of insect flight. Not limiting his exploration to individual organisms, Hu describes the ways animals enact swarm intelligence, such as when army ants cooperate and link their bodies to create bridges that span ravines. He also looks at what scientists learn from nature's unexpected feats—such as snakes that fly, mosquitoes that survive rainstorms, and dead fish that swim upstream. As researchers better understand such issues as energy, flexibility, and water repellency in animal movement, they are applying this knowledge to the development of cutting-edge technology. Integrating biology, engineering, physics, and robotics, How to Walk on Water and Climb up Walls demystifies the remarkable mechanics behind animal locomotion.

Deadly Star

The New Celebrity Scientists

The Science Teacher

The Case of the Magnetic Rocket Fuel

Why the Levees Broke in Hurricane Katrina

Discovering the Essential Universe

A quick reference for current medical diagnosis and treatment, this title covers more than 1000 medical/surgical conditions in a two-page format that includes basics, diagnosis, treatment, medications, follow-up, and miscellaneous considerations.

You May Also Like

The Guide to Extraordinary Curiosities of Our Universe