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### The Tangled Tree

Perhaps no kind of regulation is more common or less useful than mandated disclosure—requiring one party to a transaction to give the other information. It is the iTunes terms you assent to, the doctor's consent form you sign, the pile of papers you get with your mortgage. Reading the terms, the form, and the papers is supposed to equip you to choose your purchase, your treatment, and your loan well. More Than You Wanted to Know surveys the evidence and

finds that mandated disclosure rarely works. But how could it? Who reads these disclosures? Who understands them? Who uses them to make better choices? Omri Ben-Shahar and Carl Schneider put the regulatory problem in human terms. Most people find disclosures complex, obscure, and dull. Most people make choices by stripping information away, not layering it on. Most people find they can safely ignore most disclosures and that they lack the literacy to analyze them anyway. And so many disclosures are mandated that nobody could heed them all. Nor can all this be changed by simpler forms in plainer English, since complex things cannot be made simple by better writing. Furthermore, disclosure is a lawmakers' panacea, so they keep issuing new mandates and expanding old ones, often instead of taking on the hard work of writing regulations with bite. Timely and provocative, *More Than You Wanted to Know* takes on the form of regulation we encounter daily and asks why we must encounter it at all.

## **Building a Career in America's Community Colleges**

"Tsunamis, the giant waves that periodically engulf coastal areas and even the shores of lakes and rivers, have had a major impact on the world. Not only have they caused countless deaths, but have changed nations, societies and cultures from prehistoric to modern times. This book describes the science of tsunamis and the many ways they can be generated ranging from earthquakes, to volcanic eruptions and explosions, to landslides and others. It also explains

how the waves travel across oceans at the speed of a jet airplane and how they focus or disperse their incredible energy. It delves into the clues that ancient tsunamis have left behind to be unraveled by modern science so that we can better understand not only what has happened in the past, but also what will happen in the future. The book also explores the human side of tsunami disasters looking at their effect on the residents of impacted communities by recounting the amazing true stories of survival, heroism and tragic loss. It discusses and provides examples of what works in mitigation, preparedness, warning, response and recovery from tsunamis, what doesn't work, and what needs to be done. It contains little-known stories about scientists struggling to better understand these catastrophic waves, while fighting government ignorance and reluctance to take action, as well as amazing chance discoveries, and the continued quest to learn more and become better prepared, as every year the odds of yet another catastrophic tsunami increase - It is not if, but when!"--

## **Tsunami**

Environmental Science for the AP® Course was built from the ground up specifically to suit the needs of AP® environmental science teachers and students. Friedland/Relyea integrates AP® content and exam prep into a comprehensive college-level textbook, providing students and teachers with the resources they need to be successful in AP® Environmental Science. Features throughout the textbook include

AP® Exam Tips, math tutorials and review, review questions, and complete AP® Practice Exams. Strong media offerings include online homework to provide just-in-time feedback, as well as adaptive quizzing. Environmental Science for the AP® course provides students with the support they need to be successful on the AP® Environmental Science exam and in the college classroom.

### **Business Ethics Now**

"We cannot change the cards we are dealt, just how we play the hand."---Randy Pausch A lot of professors give talks titled "The Last Lecture." Professors are asked to consider their demise and to ruminate on what matters most to them. And while they speak, audiences can't help but mull the same question: What wisdom would we impart to the world if we knew it was our last chance? If we had to vanish tomorrow, what would we want as our legacy? When Randy Pausch, a computer science professor at Carnegie Mellon, was asked to give such a lecture, he didn't have to imagine it as his last, since he had recently been diagnosed with terminal cancer. But the lecture he gave--"Really Achieving Your Childhood Dreams"--wasn't about dying. It was about the importance of overcoming obstacles, of enabling the dreams of others, of seizing every moment (because "time is all you have and you may find one day that you have less than you think"). It was a summation of everything Randy had come to believe. It was about living. In this book, Randy Pausch has combined the humor, inspiration and intelligence that made his

lecture such a phenomenon and given it an indelible form. It is a book that will be shared for generations to come.

### **The Last Lecture**

My father says there has been a forest here for over a hundred million years," Jeannie Baker's young protagonist tells us, and we follow him on a visit to this tropical rain forest in North Queensland, Australia. We walk with him among the ancient trees as he pretends it is a time long ago, when extinct and rare animals lived in the forest and aboriginal children played there. But for how much longer will the forest still be there, he wonders? Jeannie Baker's lifelike collage illustrations take the reader on an extraordinary visual journey to an exotic, primeval wilderness, which like so many others is now being threatened by civilization.

### **Science**

Bringing together ecology, evolutionary moral psychology, and environmental ethics, J. Baird Callicott counters the narrative of blame and despair that prevails in contemporary discussions of climate ethics and offers a fresh, more optimistic approach. Whereas other environmental ethicists limit themselves to what Callicott calls Rational Individualism in discussing the problem of climate change only to conclude that, essentially, there is little hope that anything will be done in the face of its "perfect moral storm" (in Stephen Gardiner's words),

Callicott refuses to accept this view. Instead, he encourages us to look to the Earth itself, and consider the crisis on grander spatial and temporal scales, as we have failed to in the past. Callicott supports this theory by exploring and enhancing Aldo Leopold's faint sketch of an Earth ethic in "Some Fundamentals of Conservation in the Southwest," a seldom-studied text from the early days of environmental ethics that was written in 1923 but not published until 1979 after the environmental movement gathered strength.

## **Sundered**

### **The Black Pullet**

In an effort to draw out the Union Army of the Potomac, the Confederate Army invades the North, and the armies clash in a bloody battle at Gettysburg, Pennsylvania, for four days.

### **More Than You Wanted to Know**

Soon to be a major motion picture! Winner of the Newbery Medal and a #1 New York Times bestseller This stirring and unforgettable novel from renowned author Katherine Applegate celebrates the transformative power of unexpected friendships. Inspired by the true story of a captive gorilla known as Ivan, this novel is told from the point of view of Ivan himself. Having spent 27 years behind the glass walls of his enclosure in a shopping mall, Ivan has grown accustomed to humans watching him. He

hardly ever thinks about his life in the jungle. Instead, Ivan occupies himself with television, his friends Stella and Bob, and painting. But when he meets Ruby, a baby elephant taken from the wild, he is forced to see their home, and his art, through new eyes. *The One and Only Ivan* was hailed as a best book of the year by Kirkus, School Library Journal, and Amazon, demonstrating it is a true classic in the making. In the tradition of timeless stories like *Charlotte's Web* and *Stuart Little*, Katherine Applegate blends humor and poignancy to create Ivan's unforgettable first-person narration in a story of friendship, art, and hope. An author's note depicts the differences between the fictional story and true events. Plus don't miss *The One and Only Bob*, Katherine Applegate's return to the world of Ivan, Bob, and Ruby, coming in 2020!

## **AP Environmental Science Crash Course**

An accessible, and intuitive, guide to stock valuation. Valuation is at the heart of any investment decision, whether that decision is to buy, sell, or hold. In *The Little Book of Valuation*, expert Aswath Damodaran explains the techniques in language that any investors can understand, so you can make better investment decisions when reviewing stock research reports and engaging in independent efforts to value and pick stocks. Page by page, Damodaran distills the fundamentals of valuation, without glossing over or ignoring key concepts, and develops models that you can easily understand and use. Along the way, he covers various valuation approaches from intrinsic or discounted cash flow valuation and multiples or

relative valuation to some elements of real option valuation. Includes case studies and examples that will help build your valuation skills Written by Aswath Damodaran, one of today's most respected valuation experts Includes an accompanying iPhone application (iVal) that makes the lessons of the book immediately useable Written with the individual investor in mind, this reliable guide will not only help you value a company quickly, but will also help you make sense of valuations done by others or found in comprehensive equity research reports.

## **Moving INTO the Classroom**

### **Evil Genius**

A guide to the latest research on how young people can develop positive ethnic-racial identities and strong interracial relations Today's young people are growing up in an increasingly ethnically and racially diverse society. How do we help them navigate this world productively, given some of the seemingly intractable conflicts we constantly hear about? In *Below the Surface*, Deborah Rivas-Drake and Adriana Umaña-Taylor explore the latest research in ethnic and racial identity and interracial relations among diverse youth in the United States. Drawing from multiple disciplines, including developmental psychology, social psychology, education, and sociology, the authors demonstrate that young people can have a strong ethnic-racial identity and still view other groups positively, and that in fact, possessing a

solid ethnic-racial identity makes it possible to have a more genuine understanding of other groups. During adolescence, teens reexamine, redefine, and consolidate their ethnic-racial identities in the context of family, schools, peers, communities, and the media. The authors explore each of these areas and the ways that ideas of ethnicity and race are implicitly and explicitly taught. They provide convincing evidence that all young people--ethnic majority and minority alike--benefit from engaging in meaningful dialogues about race and ethnicity with caring adults in their lives, which help them build a better perspective about their identity and a foundation for engaging in positive relationships with those who are different from them. Timely and accessible, *Below the Surface* is an ideal resource for parents, teachers, educators, school administrators, clergy, and all who want to help young people navigate their growth and development successfully.

### **Stargirl Movie Tie-In Edition**

Describes how rocks form, and discusses different types, including igneous, sedimentary, and metamorphic.

### **Environmental Science for the AP® Course**

Discusses the nature, uses, and importance of soil and the many forms of life that it supports.

### **Rocks**

REA's AP Environmental Science Crash Course is the first book of its kind for the last-minute studier or any AP student who wants a quick refresher on the course. /Written by an AP Environmental Science teacher, the targeted review chapters prepare students for the test by only focusing on the important topics tested on the AP Environmental Science exam. /The easy-to-read review chapters in outline format cover everything AP students need to know for the exam: human population dynamics, managing public lands, energy conservation, changes in Earth's climate, species extinction, loss of biodiversity, and more. The author also includes must-know key terms all AP students should know before test day. /With our Crash Course, students can study the subject faster, learn the crucial material, and boost their AP score all in less time. The author provides key strategies for answering the multiple-choice questions, so students can build their point scores and get a 5!

### **The Origin of Continents and Oceans**

Cadel Piggott has a genius IQ and a fascination with systems of all kinds. At seven, he was illegally hacking into computers. Now he's fourteen and studying for his World Domination degree, taking classes like embezzlement, forgery, and infiltration at the institute founded by criminal mastermind Dr. Phineas Darkkon. Although Cadel may be advanced beyond his years, at heart he's a lonely kid. When he falls for the mysterious and brilliant Kay-Lee, he begins to question the moral implications of his

studies. But is it too late to stop Dr. Darkkon from carrying out his evil plot? This ebook includes a sample chapter of GENIUS SQUAD.

### **Harmonize Your Home and Office**

A Concise Geologic Time Scale: 2016 presents a summary of Earth's history over the past 4.5 billion years, as well as a brief overview of contemporaneous events on the Moon, Mars, and Venus. The authors have been at the forefront of chronostratigraphic research and initiatives to create an international geologic time scale for many years, and the charts in this book present the most up-to-date international standard, as ratified by the International Commission on Stratigraphy and the International Union of Geological Sciences. This book is an essential reference for all geoscientists, including researchers, students, and petroleum and mining professionals. The presentation is non-technical and illustrated with numerous colour charts, maps and photographs. The book also includes a detachable laminated card of the complete time scale for use as a handy reference in the office, laboratory, or field. Presents a summary of Earth's history over the past 4.5 billion years Includes a brief overview of contemporaneous events on the Moon, Mars, and Venus Includes full-color figures including charts, stratigraphic profiles, and photographs to enhance understanding of each geologic period Correlates regional geologic stages to the standard definitions approved by the International Commission on Stratigraphy Offers an explanation of the methods used to create the time scale

## **Understanding Psychology**

It's a murder mystery on the moon in this humorous and suspenseful space adventure from the author of *Belly Up* and *Spy School* that *The New York Times Book Review* called "a delightful and brilliantly constructed middle grade thriller." Like his fellow lunarnauts—otherwise known as Moonies—living on Moon Base Alpha, twelve-year-old Dashiell Gibson is famous the world over for being one of the first humans to live on the moon. And he's bored out of his mind. Kids aren't allowed on the lunar surface, meaning they're trapped inside the tiny moon base with next to nothing to occupy their time—and the only other kid Dash's age spends all his time hooked into virtual reality games. Then Moon Base Alpha's top scientist turns up dead. Dash senses there's foul play afoot, but no one believes him. Everyone agrees Dr. Holtz went onto the lunar surface without his helmet properly affixed, simple as that. But Dr. Holtz was on the verge of an important new discovery, Dash finds out, and it's a secret that could change everything for the Moonies—a secret someone just might kill to keep

## **The One and Only Ivan**

Say "algae" and most people think of pond scum. What they don't know is that without algae, none of us would exist.

## **Where the Forest Meets the Sea**

You spend a lot of time in your home and office. These environments surround you with electronic frequencies that could be out of harmony with nature and your natural biorhythms. The imbalance of your indoor environment can deplete your energy, make you fatigued or even sick. You have the ability to center yourself within any environment and even bring a balanced vibration to your indoor living space. The answers to a healthier indoor setting are within this book. Using this metaphysical guide to ground yourself and your environment, you can have the energy and health you desire to feel more alive.

### **Darwin Comes to Town**

Research isn't all elegant study designs, accurate data collection, and sophisticated equations. Researchers must also communicate their ideas and findings with scholarly audiences, and do so effectively. These audiences are no different from those found at your local theater: They understand each paper you write or talk you deliver insofar as it tells a compelling story. Yet, your storytelling doesn't stop with a single paper or talk. Scholarly records span years and multiple pieces of work. Successful researchers learn to synthesize their records to tell a larger story: a research program. In this book, Andres De Los Reyes describes how narrative tools commonly used in film help you build a research program. Tailored to the lives of early career researchers, these tools reveal keen insights into working with mentors, navigating peer review, and nailing the job talk that launches your career.

## The Early Career Researcher's Toolbox

### Physical Science with Earth Science

In this New York Times bestseller and longlist nominee for the National Book Award, “our greatest living chronicler of the natural world” (The New York Times), David Quammen explains how recent discoveries in molecular biology affect our understanding of evolution and life’s history. In the mid-1970s, scientists began using DNA sequences to reexamine the history of all life. Perhaps the most startling discovery to come out of this new field—the study of life’s diversity and relatedness at the molecular level—is horizontal gene transfer (HGT), or the movement of genes across species lines. It turns out that HGT has been widespread and important; we now know that roughly eight percent of the human genome arrived sideways by viral infection—a type of HGT. In *The Tangled Tree*, “the grandest tale in biology....David Quammen presents the science—and the scientists involved—with patience, candor, and flair” (Nature). We learn about the major players, such as Carl Woese, the most important little-known biologist of the twentieth century; Lynn Margulis, the notorious maverick whose wild ideas about “mosaic” creatures proved to be true; and Tsutomu Wantanabe, who discovered that the scourge of antibiotic-resistant bacteria is a direct result of horizontal gene transfer, bringing the deep study of genome histories to bear on a global crisis in public health. “David Quammen proves to be an immensely

well-informed guide to a complex story” (The Wall Street Journal). In *The Tangled Tree*, he explains how molecular studies of evolution have brought startling recognitions about the tangled tree of life—including where we humans fit upon it. Thanks to new technologies, we now have the ability to alter even our genetic composition—through sideways insertions, as nature has long been doing. “*The Tangled Tree* is a source of wonder....Quammen has written a deep and daring intellectual adventure” (The Boston Globe).

### **Chilled**

Is it time to refresh the way you think about teaching Earth science? *Learning to Read the Earth and Sky* is the multifaceted resource you need to bring authentic science—and enthusiasm—into your classroom. It offers inspiration for reaching beyond prepared curricula, engaging in discovery along with your students, and using your lessons to support the Next Generation Science Standards (NGSS). The book provides • examples of Earth science labs and activities you and your students can do as co-investigators; • insights into student expectations and misconceptions, plus ideas for inspiring true investigation; • stories of real scientific discovery translated for classroom consideration; • exploration of how you can mentor students as a teacher-scholar; and • guidance on how to translate the sweeping core ideas of the NGSS into specific examples students can touch, see, and experience. The authors of *Learning to Read the Earth and Sky* are husband-and-wife

educators who promote science as something to figure out, not just something to know. They write, "It is our hope that readers will find our book short on 'edu-speak,' long on the joy of doing science, and full of stories of students, classrooms, scientists, and Earth and sky."

### **Thinking Like a Planet**

First surfacing in France in the 18th century, *The Black Pullet* is a guide to the construction and use of magical talismanic rings. With the use of these rings, people attained extraordinary powers. Perhaps the most wonderful secret revealed is the power to produce the Black Pullet, otherwise known as the "Hen with the Golden Eggs." Unlimited wealth was granted to the person who achieved the creation of this incredible Hen. \*Includes complete instructions for creating the Black Pullet.

### **Space Case**

*Business Ethics Now 4e* by Andrew W. Ghillyer provides assistance to employees by taking a journey through the challenging world of business ethics at the ground level of the organization rather than flying through the abstract concepts and philosophical arguments at the treetop level. By examining issues and scenarios that relate directly to their work environment (and their degree of autonomy in that environment), employees can develop a clearer sense of how their corporate code of ethics relates to operational decisions made on a daily basis.

## **A Concise Geologic Time Scale**

Perfect back to school present for your sixth grade friend. 6 \* 9 Lined Notebook 110 pages

## **Below the Surface**

This textbook focuses on research in movement integration and the benefits of physical activity to the child's physical, cognitive, emotional, and social development. It includes research on and suggestions for integrating movement into English-language arts, mathematics, science and social studies for lower and upper elementary students. Though the textbook is specifically aimed at elementary-level teachers, secondary teachers and pre-service teachers can modify the activities to fit their lessons as well.

## **Learning to Read the Earth and Sky**

## **Hello SIXTH Grade**

Although we are seeing more weather and climate extremes, individual extreme events are very diverse and generalization of trends is difficult. For example, mid-latitude and subtropical climate extremes such as heat waves, hurricanes and droughts have increased, and could have been caused by processes including arctic amplification, jet stream meandering, and tropical expansion. This volume documents various climate extreme events and associated changes that have been analyzed through diagnostics, modeling,

and statistical approaches. The identification of patterns and mechanisms can aid the prediction of future extreme events. Volume highlights include:

- Compilation of processes and mechanisms unique to individual weather and climate extreme events
- Discussion of climate model performance in terms of simulating high-impact weather and climate extremes
- Summary of various existing theories, including controversial ones, on how climate extremes will continue to become stronger and more frequent

Climate Extremes: Patterns and Mechanisms is a valuable resource for scientists and graduate students in the fields of geophysics, climate physics, natural hazards, and environmental science. Read an interview with the editors to find out more: <https://eos.org/editors-vox/how-does-changing-climate-bring-more-extreme-events>

### **Dirt**

"Collection of essays reprinted from The Chronicle of Higher Education's "Two-Year Track column." Presents sound, insider advice on building a career as a community college instructor or administrator"--Provided by publisher.

### **Spectrum Science, Grade 6**

Have you ever wondered: Why two diametrically opposite explanations of ourselves -- Religion and Science -- coexist? As this book explains, the reason is, one explanation began before the other. The first explanations development began thousands of years

ago when our gradually evolving brains and minds awoke to an unknown, possibly threatening environment. Unfortunately, attempts to explain this strange environment were frustrated by illusions such as the apparent motion of the sun, moon and stars around the earth, which clouded our limited observational capability, such as our inability detect constant motion, thwarting the developing human minds ability to correctly explain observations. These limitations ultimately led to a totally incorrect explanation: we reside in a very small, young, unchanging universe revolving about us, created by a supernatural being - God -- a belief system termed Religion. About 500 years ago, the formulation of the second explanation was initiated when astute investigators such as Copernicus and Galileo, using improved new observation instruments such as the telescope and microscope, began to realize the existing illusion based religious explanations could not possibly be correct. Author Lawrence Wood introduces the brilliant investigators who resolved the illusions by developing radically new explanations of the illusions, an explanation system termed Science, many still cannot accept hence, the coexistence of religion and science. If you are one of those, trying to bridge the gulf between your religious beliefs which have become increasingly difficult to accept and the strange new world of science, this book will help you immeasurably!

### **Climate Extremes**

From the #1 New York Times bestselling author of

The Handmaid's Tale In this final volume of the internationally celebrated MaddAddam trilogy, the Waterless Flood pandemic has wiped out most of the population. Toby is part of a small band of survivors, along with the Children of Crake: the gentle, bioengineered quasi-human species who will inherit this new earth. As Toby explains their origins to the curious Crakers, her tales cohere into a luminous oral history that sets down humanity's past—and points toward its future. Blending action, humor, romance, and an imagination at once dazzlingly inventive and grounded in a recognizable world, MaddAddam is vintage Atwood—a moving and dramatic conclusion to her epic work of speculative fiction. A New York Times Notable Book A Washington Post Notable Book A Best Book of the Year: The Guardian, NPR, The Christian Science Monitor, The Globe and Mail A GoodReads Reader's Choice

### **MaddAddam**

Melanie Stryder refuses to fade away. The earth has been invaded by a species that takes over the minds of their human hosts while leaving their bodies intact, and most of humanity has succumbed. Wanderer, the invading 'soul' who has been given Melanie's body, knew about the challenges of living inside a human: the overwhelming emotions, the too-vivid memories. But there was one difficulty Wanderer didn't expect: the former tenant of her body refusing to relinquish possession of her mind. Melanie fills Wanderer's thoughts with visions of the man Melanie loves - Jared, a human who still lives in hiding. Unable to

separate herself from her body's desires, Wanderer yearns for a man she's never met. As outside forces make Wanderer and Melanie unwilling allies, they set off to search for the man they both love.

### **Earth Science**

Cultivate a love for science by providing standards-based practice that captures children's attention. Spectrum Science for grade 6 provides interesting informational text and fascinating facts about thermodynamics, biological adaptation, and geological disturbances. --When children develop a solid understanding of science, they're preparing for success. Spectrum Science for grades 3-8 improves scientific literacy and inquiry skills through an exciting exploration of natural, earth, life, and applied sciences. With the help of this best-selling series, your young scientist can discover and appreciate the extraordinary world that surrounds them!

### **The Transition, Initiated by Copernicus and Galileo, from Religion to Science**

In 1915 Alfred Wegener's seminal work describing the continental drift was first published in German. Wegener explained various phenomena of historical geology, geomorphology, paleontology, paleoclimatology, and similar areas in terms of continental drift. This edition includes new data to support his theories, helping to refute the opponents of his controversial views. 64 illustrations.

## The Killer Angels

### The Host

The refrigerator. This white box that sits in the kitchen may seem mundane nowadays, but it is one of the wonders of 20th century science – life-saver, food-preserver and social liberator, while the science of refrigeration is crucial, not just in transporting food around the globe but in a host of branches on the scientific tree. Refrigerators, refrigeration and its discovery and applications provides the remarkable and eye-opening backdrop to *Chilled*, the story of how science managed to rewrite the rules of food, and how the technology whirring behind every refrigerator is at play, unseen, in a surprisingly broad sweep of modern life. Part historical narrative, part scientific mystery-lifter, *Chilled* looks at the ice-pits of Persia (Iranians still call their fridge the 'ice-pit'), reports on a tug of war between 16 horses and the atmosphere, bears witness to ice harvests on the Regents Canal, and shows how bleeding sailors demonstrated to ship's doctors that heat is indestructible, featuring a cast of characters such as the Ice King of Boston, Galileo, Francis Bacon, and the ostracised son of a notorious 18th-century French traitor. As people learned more about what cold actually was, scientists invented machines for making it, with these first used in earnest to chill Australian lager. The principles behind those white boxes in the kitchen remain the same today, but refrigeration is not all about food – for example, a refrigerator is needed to make soap,

penicillin or orange squash; without it, IVF would be impossible. Refrigeration technology has also been crucial in some of the most important scientific breakthroughs of the last 100 years, from the discovery of superconductors to the search for the Higgs boson. And the fridge will still be pulling the strings behind the scenes as teleporters and intelligent computer brains turn our science-fiction vision of the future into fact.

### **Slime**

This beloved celebration of individuality is now an original film on Disney+! A modern-day classic and New York Times bestseller from Newbery Medalist Jerry Spinelli. *Stargirl*. From the day she arrives at quiet Mica High in a burst of color and sound, the hallways hum with the murmur of "Stargirl, Stargirl." She captures Leo Borlock's heart with just one smile. She sparks a school-spirit revolution with just one cheer. The students of Mica High are enchanted. At first. Then they turn on her. Stargirl is suddenly shunned for everything that makes her different, and Leo, panicked and desperate with love, urges her to become the very thing that can destroy her: normal. In this celebration of nonconformity, Newbery Medalist Jerry Spinelli weaves a tense, emotional tale about the perils of popularity and the thrill and inspiration of first love. "Spinelli has produced a poetic allegorical tale about the magnificence and rarity of true nonconformity." -- The New York Times

### **The Little Book of Valuation**

\*Carrion crows in the Japanese city of Sendai have learned to use passing traffic to crack nuts. \*Lizards in Puerto Rico are evolving feet that better grip surfaces like concrete. \*Europe's urban blackbirds sing at a higher pitch than their rural cousins, to be heard over the din of traffic. How is this happening? Menno Schilthuizen is one of a growing number of "urban ecologists" studying how our manmade environments are accelerating and changing the evolution of the animals and plants around us. In *Darwin Comes to Town*, he takes us around the world for an up-close look at just how stunningly flexible and swift-moving natural selection can be. With human populations growing, we're having an increasing impact on global ecosystems, and nowhere do these impacts overlap as much as they do in cities. The urban environment is about as extreme as it gets, and the wild animals and plants that live side-by-side with us need to adapt to a whole suite of challenging conditions: they must manage in the city's hotter climate (the "urban heat island"); they need to be able to live either in the semidesert of the tall, rocky, and cavernous structures we call buildings or in the pocket-like oases of city parks (which pose their own dangers, including smog and free-ranging dogs and cats); traffic causes continuous noise, a mist of fine dust particles, and barriers to movement for any animal that cannot fly or burrow; food sources are mainly human-derived. And yet, as Schilthuizen shows, the wildlife sharing these spaces with us is not just surviving, but evolving ways of thriving. *Darwin Comes to Town* draws on eye-popping examples of adaptation to share a stunning vision of urban evolution in which

humans and wildlife co-exist in a unique harmony. It reveals that evolution can happen far more rapidly than Darwin dreamed, while providing a glimmer of hope that our race toward over population might not take the rest of nature down with us.

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