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V0E5W2 - SHARP HUNTER

This book closes the gap for beginners who want to study the Amharic language and had difficulties in finding the right grammar for this purpose: The first grammar of Amharic, the national language of Ethiopia, was published by Hiob Ludolf in 1698. The Amharic grammar published by Praetorius in 1879 is based on Amharic religious texts and on scattered material, usually composed by missionaries. A milestone in the study of Amharic is Marcel Cohen's Traite de langue amharique (1936), but this grammar, too is not completely suited for beginners since the author's generalizations are at times aimed at linguists. The grammar that comes closest to the concept of a beginner's grammar is that of C.H. Dawkin (1960), yet this grammar is extremely short, does not give examples and does not introduce the student to the intricacies of the language.The new book gives all the grammatical forms and the sentences of the present grammar in Amharic script and in phonetic transcription. The illustrative examples have a free and a literal translation. This procedure should likewise prove to be useful for the Semitist as well as for the general linguist.

Provides basic information about the biology, life cycles, and behavior of birds, along with brief profiles of each of the eighty bird families in North America.

From the industrial revolution to the railway age, through the era of electrification, the advent of mass production, and finally to the information age, the same pattern keeps repeating itself. An exciting, vibrant phase of innovation and financial speculation is followed by a crash, after which begins a longer, more stately period during which the technology is actually deployed properly. This collection of surveys and articles from The Economist examines how far technology has come and where it is heading. Part one looks at topics such as the "greying" (maturing) of IT, the growing importance of security, the rise of outsourcing, and the challenge of complexity, all of which have more to do with implementation than innovation. Part two looks at the shift from corporate computing towards consumer technology, whereby new technologies now appear first in consumer gadgets such as mobile phones. Topics covered will include the emergence of the mobile phone as the "digital Swiss Army knife"; the rise of digital cameras, which now outsell film-based ones; the growing size and importance of the games industry and its ever-closer links with other more traditional parts of the entertainment industry; and the social impact of technologies such as text messaging, Wi-Fi, and camera phones. Part three considers which technology will lead the next great phase of technological disruption and focuses on biotechnology, energy technology, and nanotechnology.

Make your Android device truly your own Are you eager to make your Android device your own but you're not sure where to start? Then this is the book for you. XDA is the world's most popular resource for Android hacking enthusiasts, and a huge community has grown around customizing Android devices with XDA. XDA's Android Hacker's Toolkit gives you the tools you need to customize your devices by hacking or rooting the android operating system. Providing a solid understanding of the internal workings of the Android operating system, this book walks you through the terminology and functions of the android operating system from the major nodes of the file system to basic OS operations. As you learn the fundamentals of Android hacking that can be used regardless of any new releases, you'll discover exciting ways to take complete control over your device. Teaches theory, preparation and practice, and understanding of the OS Explains the distinction between ROMing and theming Provides step-by-step instructions for Droid, Xoom, Galaxy Tab, LG Optimus, and more Identifies the right tools for various jobs Contains new models enabling you to root and customize your phone Offers incomparable information that has been tried and tested by the amazing XDA community of hackers, gadgeteers, and technicians XDA's Android Hacker's Toolkit is a simple, one-stop resource on hacking techniques for beginners.

In spite of all the papers that others have written about the manuscript, there is no complete survey of all the approaches, ideas, background information and analytic studies that have accumulated over the nearly fifty-five years since the manuscript was discovered by Wilfrid M. Voynich in 1912. This report pulls together all the information the author could obtain from all the sources she has examined, and to present it in an orderly fashion. The resulting survey will provide a firm basis upon which other students may build their work, whether they seek to decipher the text or simply to learn more about the problem.

The open source nature of the platform has not only established a new direction for the industry, but enables a developer or forensic analyst to understand the device at the most fundamental level. Android Forensics covers an open source mobile device platform based on the Linux 2.6 kernel and managed by the Open Handset Alliance. The Android platform is a major source of digital forensic investigation and analysis. This book provides a thorough review of the Android platform including supported hardware devices, the structure of the Android development project and implementation of core services (wireless communication, data storage and other low-level functions). Finally, it will focus on teaching readers how to apply actual forensic techniques to recover data. Ability to forensically acquire Android devices using the techniques outlined in the book Detailed information about Android applications needed for forensics investigations Important information about SQLite, a file based structured data storage relevant for both Android and many other platforms.

Developers, build mobile Android apps using Android 4 The fast-growing popularity of Android smartphones and tablets creates a huge opportunities for developers. If you're an experienced developer, you can start creating robust mobile Android apps right away with this professional guide to Android 4 application development. Written by one of Google's lead Android developer advocates, this practical book walks you through a series of hands-on projects that illustrate the features of the Android SDK. That includes all the new APIs introduced in Android 3 and 4, including building for tablets, using the Action Bar, Wi-Fi Direct, NFC Beam, and more. Shows experienced developers how to create mobile applications for Android smart-

phones and tablets Revised and expanded to cover all the Android SDK releases including Android 4.0 (Ice Cream Sandwich), including all updated APIs, and the latest changes to the Android platform. Explains new and enhanced features such as drag and drop, fragments, the action bar, enhanced multitouch support, new environmental sensor support, major improvements to the animation framework, and a range of new communications techniques including NFC and Wi-Fi direct. Provides practical guidance on publishing and marketing your applications, best practices for user experience, and more This book helps you learn to master the design, lifecycle, and UI of an Android app through practical exercises, which you can then use as a basis for developing your own Android apps.

A hands-on guide to building mobile applications, Professional Android Application Development features concise and compelling examples that show you how to quickly construct real-world mobile applications for Android phones. Fully up-to-date for version 1.0 of the Android software development kit, it covers all the essential features, and explores the advanced capabilities of Android (including GPS, accelerometers, and background Services) to help you construct increasingly complex, useful, and innovative mobile applications for Android phones. What this book includes An introduction to mobile development, Android, and how to get started. An in-depth look at Android applications and their life cycle, the application manifest, Intents, and using external resources. Details for creating complex and compelling user interfaces by using, extending, and creating your own layouts and Views and using Menus. A detailed look at data storage, retrieval, and sharing using preferences, files, databases, and Content Providers. Instructions for making the most of mobile portability by creating rich map-based applications as well as using location-based services and the geocoder. A look at the power of background Services, using threads, and a detailed look at Notifications. Coverage of Android's communication abilities including SMS, the telephony APIs, network management, and a guide to using Internet resources Details for using Android hardware, including media recording and playback, using the camera, accelerometers, and compass sensors. Advanced development topics including security, IPC, advanced 2D / 3D graphics techniques, and user–hardware interaction. Who this book is for This book is for anyone interested in creating applications for the Android mobile phone platform. It includes information that will be valuable whether you're an experienced mobile developer or making your first foray, via Android, into writing mobile applications. It will give the grounding and knowledge you need to write applications using the current SDK, along with the flexibility to quickly adapt to future enhancements.

Summary Hello! HTML5 & CSS3 is written for the web designer or developer who wants a fast, example-oriented introduction to the new HTML and CSS features. This snappy, user-friendly, and fun guide will get you started right away. About this Book Whether you're building web pages, mobile apps, or desktop apps, you need to learn HTML5 and CSS3. So why wait? Hello! HTML5 & CSS3 is a smart, snappy, and fun way to get started now. In this example-rich guide to HTML5 and CSS3, you'll start with a user-friendly introduction to HTML5 markup and then take a quick tour through forms, graphics, drag-and-drop, multimedia, and more. Next, you'll explore CSS3, including new features like drop shadows, borders, colors, gradients, and backgrounds. Every step of the way, you'll find hands-on examples, both large and small, to help you learn by doing. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's inside Easy-to-follow intro to HTML5 and CSS3 Fully illustrated and loaded with examples Designed for low-stress learning No prior experience needed! Table of Contents PART 1 LEARNING HTML5 Introducing HTML5 markup HTML5 forms Dynamic graphics Audio and video Browser-based APIs Network and location APIs PART 2 LEARNING CSS3 New CSS language features Layout with CSS3 Motion and color Borders and backgrounds with CSS3 Text and fonts

This book explores how enhancing the collection, accuracy, and management of data can aid in identifying vulnerable neighborhoods, understanding the role of older buildings, and planning sustainable growth. For preservation to play a dynamic and inclusive role, policy must evolve beyond designation and regulation and use evidence-based research.

In the bestselling tradition of Bill Bryson and Tony Horwitz, Rinker Buck's The Oregon Trail is a major work of participatory history: an epic account of traveling the 2,000-mile length of the Oregon Trail the old-fashioned way, in a covered wagon with a team of mules—which hasn't been done in a century—that also tells the rich history of the trail, the people who made the migration, and its significance to the country. Spanning 2,000 miles and traversing six states from Missouri to the Pacific Ocean, the Oregon Trail is the route that made America. In the fifteen years before the Civil War, when 400,000 pioneers used it to emigrate West—historians still regard this as the largest land migration of all time—the trail united the coasts, doubled the size of the country, and laid the groundwork for the railroads. The trail years also solidified the American character: our plucky determination in the face of adversity, our impetuous cycle of financial bubbles and busts, the fractious clash of ethnic populations competing for the same jobs and space. Today, amazingly, the trail is all but forgotten. Rinker Buck is no stranger to grand adventures. The New Yorker described his first travel narrative,Flight of Passage, as "a funny, cocky gem of a book," and with The Oregon Trailhe seeks to bring the most important road in American history back to life. At once a majestic American journey, a significant work of history, and a personal saga reminiscent of bestsellers by Bill Bryson and Cheryl Strayed, the book tells the story of Buck's 2,000-mile expedition across the plains with tremendous humor and heart. He was accompanied by three cantankerous mules, his boisterous brother, Nick, and an "incurably filthy" Jack Russell terrier named Olive Oyl. Along the way, Buck dodges thunderstorms in Nebraska, chases his runaway mules across miles of Wyoming plains, scouts more than five hundred miles of nearly vanished trail on foot, crosses the Rockies, makes desperate fifty-mile forced marches for water, and repairs so many broken wheels and axels that he nearly reinvents the art of wagon travel itself. Apart from charting his own geographical and emotional adventure, Buck introduces readers to the evangelists, shysters, natives, trailblazers, and everyday dreamers who were among the first of the pioneers to make the journey west. With a rare narrative pow-

er, a refreshing candor about his own weakness and mistakes, and an extremely attractive obsession for history and travel,The Oregon Trail draws readers into the journey of a lifetime.

The definitive history of the epic struggle for economic justice that became Martin Luther King Jr.'s last crusade. Memphis in 1968 was ruled by a paternalistic "plantation mentality" embodied in its good-old-boy mayor, Henry Loeb. Wretched conditions, abusive white supervisors, poor education, and low wages locked most black workers into poverty. Then two sanitation workers were chewed up like garbage in the back of a faulty truck, igniting a public employee strike that brought to a boil long-simmering issues of racial injustice. With novelistic drama and rich scholarly detail, Michael Honey brings to life the magnetic characters who clashed on the Memphis battlefield: stalwart black workers; fiery black ministers; volatile, young, black-power advocates; idealistic organizers and tough-talking unionists; the first black members of the Memphis city council; the white upper crust who sought to prevent change or conflagration; and, finally, the magisterial Martin Luther King Jr., undertaking a Poor People's Campaign at the crossroads of his life, vilified as a subversive, hounded by the FBI, and seeing in the working poor of Memphis his hopes for a better America.

This book is open access under a CC BY 4.0 license. This book defines the new field of "Bioeconomy" as the sustainable and innovative use of biomass and biological knowledge to provide food, feed, industrial products, bioenergy and ecological services. The chapters highlight the importance of bioeconomy-related concepts in public, scientific, and political discourse. Using an interdisciplinary approach, the authors outline the dimensions of the bioeconomy as a means of achieving sustainability. The authors are ideally situated to elaborate on the diverse aspects of the bioeconomy. They have acquired in-depth experience of interdisciplinary research through the university's focus on "Bioeconomy", its contribution to the Bioeconomy Research Program of the federal state of Baden-Württemberg, and its participation in the German Bioeconomy Council. With the number of bioeconomy-related projects at European universities rising, this book will provide graduate students and researchers with background information on the bioeconomy. It will familiarize scientific readers with bioeconomy-related terms and give scientific background for economists, agronomists and natural scientists alike.

Distributed and Cloud Computing: From Parallel Processing to the Internet of Things offers complete coverage of modern distributed computing technology including clusters, the grid, service-oriented architecture, massively parallel processors, peer-to-peer networking, and cloud computing. It is the first modern, up-to-date distributed systems textbook; it explains how to create high-performance, scalable, reliable systems, exposing the design principles, architecture, and innovative applications of parallel, distributed, and cloud computing systems. Topics covered by this book include: facilitating management, debugging, migration, and disaster recovery through virtualization; clustered systems for research or ecommerce applications; designing systems as web services; and social networking systems using peer-to-peer computing. The principles of cloud computing are discussed using examples from open-source and commercial applications, along with case studies from the leading distributed computing vendors such as Amazon, Microsoft, and Google. Each chapter includes exercises and further reading, with lecture slides and more available online. This book will be ideal for students taking a distributed systems or distributed computing class, as well as for professional system designers and engineers looking for a reference to the latest distributed technologies including cloud, P2P and grid computing. Complete coverage of modern distributed computing technology including clusters, the grid, service-oriented architecture, massively parallel processors, peer-to-peer networking, and cloud computing Includes case studies from the leading distributed computing vendors: Amazon, Microsoft, Google, and more Explains how to use virtualization to facilitate management, debugging, migration, and disaster recovery Designed for undergraduate or graduate students taking a distributed systems course—each chapter includes exercises and further reading, with lecture slides and more available online

Create your own electronic devices with the popular IOIO ("yoyo") board, and control them with your Android phone or tablet. With this concise guide, you'll get started by building four example projects—after that, the possibilities for making your own fun and creative accessories with Android and IOIO are endless. To build Android/IOIO devices, you write the program on your computer, transfer it to your Android, and then communicate with the IOIO via a USB or Bluetooth connection. The IOIO board translates the program into action. This book provides the source code and step-by-step instructions you need to build the example projects. All you have to supply is the hardware. Learn your way around the IOIO and discover how it interacts with your Android Build an intruder alarm that sends a text message when it detects movement Make a temperature sensing device that logs readings on your Android Create a multicolor LED matrix that displays a Space Invader animation Build an IOIO-powered surveillance rover that you control with your Android Get the software and hardware requirements for creating your own Android/IOIO accessories

Koans are enigmatic spiritual formulas used for religious training in the Zen Buddhist tradition. Arguing that our understanding of the koan tradition has been severely limited, contributors to this collection examine previously unrecognized factors in the formation of this tradition, and highlight the rich complexity and diversity of koan practice and literature.

If you are an Android developer looking to test your applications or optimize your application development process, then this book is for you. No previous experience in application testing is required.

Master the Android mobile development platform Build compelling Java-based mobile applications using the Android SDK and the Eclipse open-source software development platform. Android: A Programmer's Guide shows you, step-by-step, how to download and set up all of the necessary tools, build and tune dynamic Android programs, and debug your results. Discover how to provide web and chat functions, interact with the phone dialer and GPS devices, and access the latest Google services. You'll also learn how to create custom Content Providers and database-enable your applications using SQLite. Install and configure Java, Eclipse, and Android plugin Create Android projects from the Eclipse UI or command line Integrate web content, images, galleries, and sounds Deploy menus, progress bars, and auto-complete functions Trigger actions using Android Intents, Filters, and Receivers Implement GPS, Google Maps, Google Earth, and GTalk Build interactive SQLite databases, calendars, and notepads Test applications using the Android Emulator and Debug Bridge

A thoughtful examination of Dylan's oeuvre through the lens of Buddhism One of the mysteries of Bob Dylan's incredible corpus is why he seems to veer and zigzag so drastically and dramatically from one extreme standpoint to another. Throughout his career, rapid, radical transitions in musical style and public persona have either inspired or shocked different sectors of his fans. Is Dylan's work complex and contradictory, or is there an under-

lying consistency and continuity to its seemingly chaotic ebb and flow? Steven Heine argues that Dylan actually embraces two radically distinct worldviews at alternating periods. One is prevalent in his Protest (early '60s), Country (late '60s), and Gospel (late '70s) phases; it finds Dylan expressing moral outrage by endorsing a single higher truth based on a right-versus-wrong philosophy. The second view appears during periods of Dylan's disillusionment in the mid '60s ("Desolation Row"), mid '70s ("Tangled Up in Blue"), and mid '80s ("Jokerman"), finding him disenchanted with one-sided proclamations of truth, and wandering, seemingly aimless, amid a relativistic world of masks and disguises where nothing is ever what it claims to be. Throughout his various stages, Dylan's work reveals an affinity with the Zen worldview, where enlightenment can be attained through meditation, self-contemplation and intuition rather than through faith and devotion. Much has been made of Dylan's Christian periods, but never before has a book engaged Dylan's deep and rich oeuvre through a Buddhist lens. Forgoing Christianity and Western views for Zen and Buddhism, Bargainin' for Salvation will capture your attention and direct it toward the East.

Bring your computer literacy course back to the BASICS. COMPUTER LITERACY BASICS: A COMPREHENSIVE GUIDE TO IC3 provides an introduction to computer concepts and skills, which maps to the newest Computing Core Certification (IC3) standards. Designed with new learners in mind, this text covers Computing Fundamentals, Key Applications, and Living Online everything your students need to be prepared to pass the IC3 exam, and finish the course as confident computer users. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Android Forensics: Investigation, Analysis, and Mobile Security for Google Android provides the background, techniques and analysis tools you need to effectively investigate an Android phone. This book offers a thorough review of the Android platform, including the core hardware and software components, file systems and data structures, data security considerations, and forensic acquisition techniques and strategies for the subsequent analysis require d. this book is ideal for the classroom as it teaches readers not only how to forensically acquire Android devices but also how to apply actual forensic techniques to recover data. The book lays a heavy emphasis on open source tools and step-by-step examples and includes information about Android applications needed for forensic investigations. It is organized into seven chapters that cover the history of the Android platform and its internationalization; the Android Open Source Project (AOSP) and the Android Market; a brief tutorial on Linux and Android forensics; and how to create an Ubuntu-based virtual machine (VM). The book also considers a wide array of Android-supported hardware and device types, the various Android releases, the Android software development kit (SDK), the Davlik VM, key components of Android security, and other fundamental concepts related to Android forensics, such as the Android debug bridge and the USB debugging setting. In addition, it analyzes how data are stored on an Android device and describes strategies and specific utilities that a forensic analyst or security engineer can use to examine an acquired Android device. Core Android developers and manufacturers, app developers, corporate security officers, and anyone with limited forensic experience will find this book extremely useful. It will also appeal to computer forensic and incident response professionals, including commercial/private sector contractors, consultants, and those in federal government. Named a 2011 Best Digital Forensics Book by InfoSec Reviews Ability to forensically acquire Android devices using the techniques outlined in the book Detailed information about Android applications needed for forensics investigations Important information about SQLite, a file based structured data storage relevant for both Android and many other platforms.

This study affords an entirely new view of the nature of modern popular entertainment. American vaudeville is here regarded as the carefully elaborated ritual serving the different and paradoxical myth of the new urban folk. It demonstrates that the compulsive myth-making faculty in man is not limited to primitive ethnic groups or to serious art, that vaudeville cannot be dismissed as meaningless and irrelevant simply because it fits neither the criteria of formal criticsm or the familiar patterns of anthropological study. Using the methods for criticism developed by Susanne K. Langer and others, the author evaluates American vaudeville as a symbolic manifestation of basic values shared by the American people during the period 1885-1930. By examining vaudeville as folk ritual, the book reveals the unconscious symbolism basic to vaudeville-in its humor, magic, animal acts, music, and playlets, and also in the performers and the managers -- which gave form to the dominant American myth of success. This striking view of the new mass man as a folk and of his mythology rooted in the very empirical science devoted to dispelling myth has implications for the serious study of all forms of mass entertainment in America. The book is illustrated with a number of striking photographs.

The primary purpose of this book is to capture the state-of-the-art in Cloud Computing technologies and applications. The book will also aim to identify potential research directions and technologies that will facilitate creation of a global market-place of cloud computing services supporting scientific, industrial, business, and consumer applications. We expect the book to serve as a reference for larger audience such as systems architects, practitioners, developers, new researchers and graduate level students. This area of research is relatively recent, and as such has no existing reference book that addresses it. This book will be a timely contribution to a field that is gaining considerable research interest, momentum, and is expected to be of increasing interest to commercial developers. The book is targeted for professional computer science developers and graduate students especially at Masters level. As Cloud Computing is recognized as one of the top five emerging technologies that will have a major impact on the quality of science and society over the next 20 years, its knowledge will help position our readers at the forefront of the field.

Sensors for Health Monitoring discusses the characteristics of U-Healthcare systems in different domains, providing a foundation for working professionals and undergraduate and postgraduate students. The book provides information and advice on how to choose the best sensors for a U-Healthcare system, advises and guides readers on how to overcome challenges relating to data acquisition and signal processing, and presents comprehensive coverage of up-to-date requirements in hardware, communication and calculation for next-generation uHealth systems. It then compares new technological and technical trends and discusses how they address expected u-Health requirements. In addition, detailed information on system operations is presented and challenges in ubiquitous computing are highlighted. The book not only helps beginners with a holistic approach toward understanding u-Health systems, but also presents researchers with the technological trends and design challenges they may face when designing such systems. Presents an outstanding update on the use of U-Health data analysis and management tools in different applications, highlighting sensor systems Highlights Internet of Things enabled U-Healthcare Covers different data transmission techniques, applications and challenges with extensive case studies for U-Healthcare systems

The acclaimed bestseller that's teaching the world about the power of mass collaboration. Translated into more than twenty languages and named one of the best business books of the year by reviewers around the world, Wikinomics has become essential reading for business people everywhere. It explains how mass collaboration is happening not just at Web sites like Wikipedia and YouTube, but at traditional companies that have embraced technology to breathe new life into their enterprises. This national bestseller reveals the nuances that drive wikinomics, and share fascinating stories of how masses of people (both paid and volunteer) are now creating TV news stories, sequencing the human gnome, remixing their favorite music, designing software, finding cures for diseases, editing school texts, inventing new cosmetics, and even building motorcycles.

More physicists today are taking on the role of software developer as part of their research, but software development isn't always easy or obvious, even for physicists. This practical book teaches essential software development skills to help you automate and accomplish nearly any aspect of research in a physics-based field. Written by two PhDs in nuclear engineering, this book includes practical examples drawn from a working knowledge of physics concepts. You'll learn how to use the Python programming language to perform everything from collecting and analyzing data to building software and publishing your results. In four parts, this book includes: Getting Started: Jump into Python, the command line, data containers, functions, flow control and logic, and classes and objects Getting It Done: Learn about regular expressions, analysis and visualization, NumPy, storing data in files and HDF5, important data structures in physics, computing in parallel, and deploying software Getting It Right: Build pipelines and software, learn to use local and remote version control, and debug and test your code Getting It Out There: Document your code, process and publish your findings, and collaborate efficiently; dive into software licenses, ownership, and copyright procedures

Start working on your financial independence, with help from the Money Queen! Named one of the "Top 10 Books to Make You Rich" by Daily Worth, Are you a material girl? The truth is that, as women, we all have a unique relationship with money. We strive for financial security to support our family, ensure we can retire comfortably, create independence separate from our partners, and along the way, buy some nice purses. As much as we are motivated to make money, we often do not consider the crucial relationship between what we do today and how it will impact our life tomorrow. Covering life stages from your Roaring Twenties and Thrifty Thirties all the way to your (hopefully) Smooth Sixties and beyond, The Money Queen's Guide will work to guide you through each of these financial decades and provide insight and detailed guidance into the steps you can take, and the decisions you should make to build a financially responsible future. Financial security is an exciting journey we can take together. So pack your purse and get ready for the ride . . .

Many of the initial developments towards the Internet of Things have focused on the combination of Auto-ID and networked infrastructures in business-to-business logistics and product lifecycle applications. However, the Internet of Things is more than a business tool for managing business processes more efficiently and more effectively – it will also enable a more convenient way of life. Since the term Internet of Things first came to attention when the Auto-ID Center launched their initial vision for the EPC network for automatically identifying and tracing the flow of goods within supply-chains, increasing numbers of researchers and practitioners have further developed this vision. The authors in this book provide a research perspective on current and future developments in the Internet of Things. The different chapters cover a broad range of topics from system design aspects and core architectural approaches to end-user participation, business perspectives and applications.

The next frontier for wireless LANs is 802.11ac, a standard that increases throughput beyond one gigabit per second. This concise guide provides in-depth information to help you plan for 802.11ac, with technical details on design, network operations, deployment, and monitoring. Author Matthew Gast—an industry expert who led the development of 802.11-2012 and security task groups at the Wi-Fi Alliance—explains how 802.11ac will not only increase the speed of your network, but its capacity as well. Whether you need to serve more clients with your current level of throughput, or serve your existing client load with higher throughput, 802.11ac is the solution. This book gets you started. Understand how the 802.11ac protocol works to improve the speed and capacity of a wireless LAN Explore how beamforming increases speed capacity by improving link margin, and lays the foundation for multi-user MIMO Learn how multi-user MIMO increases capacity by enabling an AP to send data to multiple clients simultaneously Plan when and how to upgrade your network to 802.11ac by evaluating client devices, applications, and network connections

Discover eight powerful mindset shifts that enable leaders and seekers of all ages to thrive in a time of unprecedented change and uncertainty. Being adaptable and flexible have always been hallmarks of effective leadership and a fulfilling life. But in a world of so much—and faster-paced—change, and an ever-faster pace of change, flexibility and resilience can be stretched to their breaking points. The quest becomes how to find calm and lasting meaning in the midst of enduring chaos. A world in flux calls for a new mindset, one that treats constant change and uncertainty as a feature, not a bug. Flux helps readers open this mindset—a flux mindset—and develop eight "flux superpowers" that flip conventional ideas about leadership, success, and well-being on their heads. They empower people to see change in new ways, craft new responses, and ultimately reshape their relationship to change from the inside out. April Rinne defines these eight flux superpowers: • Run slower. • See what's invisible. • Get lost. • Start with trust. • Know your "enough." • Create your portfolio career. • Be all the more human (and serve other humans). • Let go of the future. Whether readers are sizing up their career, reassessing their values, designing a product, building an organization, trying to inspire their colleagues, or simply showing up more fully in the world, enjoying a flux mindset and activating their flux superpowers will keep readers grounded even when the ground is too often shifting beneath them.

Orchids account for a large share of global floriculture trade both as cut flowers and as potted plants, and are estimated to comprise around 10% of international fresh cut flower trade. The average value of fresh cut orchids and buds trade during 2007-2012 was US$ 483 million. In 2012, there are more than 40 countries exporting orchids and 60 countries importing orchids around the world, with the total size of the global trade equaling US$ 504 million. In India, about 1350 species belonging to 186 genera represent approximately 5.98% of the world orchid flora and 6.83% of the flowering plants in India. The publication on "Commercial Orchids" is presented in 15 interesting chapters vividly highlighting the global orchid industry, bio-diversity, conservation and bio-piracy of genetic resources, morphological and molecular characterization of valuable species, breeding approaches for improved genotypes, production of quality planting materials, physiology of tropical and temperate orchids, climate change and its impact on orchid productivity, production technology of commercial epiphytic orchids for cut flower, production technology of commercial terrestrial orchids for cut flower, orchids for pot culture, hanging baskets and tree mounting, medicinal and aromatic orchids, post-harvest management of cut flowers of commercial orchids, value addition and marketing.

Between cases of study, theoretical panorama and practical reflections, this book gives brand leaders the means to defend their brand in a changing environment, where new technologies and manipulation techniques have rendered old defense schemes obsolete. Rather than suggesting a reflection from the point of view of the crisis, the authors deal with the question under another, broader theme: conflict.

Offers a one-stop resource to kick start your eMarketing career, or to give it a much needed boost. It features the tools and tactics essential to search engine optimisation, pay per click advertising, social media, viral marketing, conversion optimisation, online reputation management and more.

Innovation in information and communication technology (ICT) fuels the growth of the global economy. How ICT markets evolve depends on politics and policy, and since the 1950s periodic overhauls of ICT policy have transformed competition and innovation. For example, in the 1980s and the 1990s a revolution in communication policy (the introduction of sweeping competition) also transformed the information market. Today, the diffusion of Internet, wireless, and broadband technology, growing modularity in the design of technologies, distributed computing infrastructures, and rapidly changing business models signal another shift. This pathbreaking examination of ICT from a political economy perspective argues that continued rapid innovation and economic growth require new approaches in global governance that will reconcile diverse interests and enable competition to flourish. The authors (two of whom were architects of international ICT policy reforms in the 1990s) discuss this crucial turning point in both theoretical and practical terms.

As we all know by now, wireless networks offer many advantages over fixed (or wired) networks. Foremost on that list is mobility, since going wireless frees you from the tether of an Ethernet cable at a desk. But that's just the tip of the cable-free iceberg. Wireless networks are also more flexible, faster and easier for you to use, and more affordable to deploy and maintain.The de facto standard for wireless networking is the 802.11 protocol, which includes Wi-Fi (the wireless standard known as 802.11b) and its faster cousin, 802.11g. With easy-to-install 802.11 network hardware available everywhere you turn, the choice seems simple, and many people dive into wireless computing with less thought and planning than they'd give to a wired network. But it's wise to be familiar with both the capabilities and risks associated with the 802.11 protocols. And 802.11 Wireless Networks: The Definitive Guide, 2nd Edition is the perfect place to start.This updated edition covers everything you'll ever need to know about wireless technology. Designed with the system administrator or serious home user in mind, it's a no-nonsense guide for setting up 802.11 on Windows and Linux. Among the wide range of topics covered are discussions on: deployment considerations network monitoring and performance tuning wireless security issues how to use and select access points network monitoring essentials wireless card configuration security issues unique to wireless networks With wireless technology, the advantages to its users are indeed plentiful. Companies no longer have to deal with the hassle and expense of wiring buildings, and households with several computers can avoid fights over who's online. And now, with 802.11 Wireless Networks: The Definitive Guide, 2nd Edition, you can integrate wireless technology into your current infrastructure with the utmost confidence.

Unmoved by his friends' attempts to draw him out with singing classes and snowball fights, Tortoise tries to settle down for his annual winter nap and instead stumbles into a wonderfully icy experience.

Will innovators be forced to seek the blessing of public officials before they develop and deploy new devices and services, or will they be generally left free to experiment with new technologies and business models? In this book, Adam Thierer argues that if the former disposition, "the precautionary principle," trumps the latter, "permissionless innovation," the result will be fewer services, lower-quality goods, higher prices, diminished economic growth, and a decline in the overall standard of living. When public policy is shaped by "precautionary principle" reasoning, it poses a serious threat to technological progress, economic entrepreneurialism, and long-run prosperity. By contrast, permissionless innovation has fueled the success of the Internet and much of the modern tech economy in recent years, and it is set to power the next great industrial revolution—if we let it.

Things you've done online: ordered a pizza, checked the weather, booked a hotel, and reconnected with long-lost friends. Now it's time to find out how these things work. Vinay Trivedi peels back the mystery of the Internet, explains it all in the simplest terms, and gives you the knowledge you need to speak confidently when the subject turns to technology. This revised second edition of How to Speak Tech employs the strategy of the popular first edition: through the narrative of setting up a fictitious startup, it introduces you to essential tech concepts. New tech topics that were added in this edition include the blockchain, augmented and virtual reality, Internet of Things, and artificial intelligence. The author's key message is: technology isn't beyond the understanding of anyone! By breaking down major tech concepts involved with a modern startup into bite-sized chapters, the author's approach helps you understand topics that aren't always explained clearly and shows you that they aren't rocket science. So go ahead, grab this book, start to "speak tech," and hold your own in any tech-related conversation! What You'll Learn Understand the basics of new and established technologies such as blockchain, artificial intelligence (AI), augmented and virtual reality (AR and VR), Internet of Things (IoT), software development, programming languages, databases, and moreListen intelligently and speak confidently when technologies are brought up in your businessBe confident in your grasp of terms and technologies when setting up your own organization's application Who This Book Is For Students who want to understand different technologies relevant to their future careers at startups and established organizations, as well as business and other non-technical professionals who encounter and require an understanding of key technical terms and trends to succeed in their roles Reviews "Finally, a book non-techies can use to understand the technologies that are changing our lives." Paul Bottino, Executive Director, Technology and Entrepreneurship Center, Harvard University "A great book everyone can use to understand how tech startups work." Rene Reinsberg, Founder at Celo; Former VP of Emerging Products, GoDaddy "Through the simplicity of his presentation, Vinay shows that the basics of technology can be straightforwardly understood by anyone who puts in the time and effort to learn." Joseph Lassiter, Professor of Management Science, Harvard Business School and Harvard Innovation Lab

A hidden history of the South emerges when a worldly teacher leads Threestep, GA, to reinvent itself, setting in motion events that lead to triumph and tragedy for the black teenager who happens to be the smartest person in Piedmont County, Georgia, in 1938–39. As an epigraph from The Souls of Black Folk by W. E. B. Du Bois reminds us at the start of this novel, "Throughout history, the powers of single black men flash here and there like falling stars, and die sometimes before the world has rightly gauged their brightness." Protagonist Theo Boykin is a genius, an artist, an inventor, a

Leonardo DaVinci–type, whose talents are sought after by local blacks and whites alike, but even this is not enough to save him. He falls victim to "the tragedy of ignorance and the damage caused by fear," in the words of poet Rita Dove—the first African American to serve as U.S. Poet Laureate and a member of the jury that conferred on The Cailiffs of Baghdad, Georgia the 2011 Anisfield-Wolf Award for books that "make a significant contribution to our understanding of racism and our appreciation for the diversity of human cultures." You won't forget Theo Boykin, nor will you forget his friends the Cailiffs, especially Gladys, who tells this story with love and bewilderment, and the teacher, Miss Spivey, who changes all their lives.