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The Grand Master of Science Fiction's "monumental" epic continues as Helliconia nears its large star—and a strange visitor joins its civilization (The Times, London). A handful of centuries on, Helliconia is close to the larger star in its binary system, and the Phagors have been driven in but conflicting religions and hostility to science keep human civilization fragmented and constant fighting wars over petty power and fertile land as a plague devastates populations. However, everything changes when a secret visitor from the observer satellite from Earth accepts a slot in order to visit the planet and spend his time in the sunlight and open air. More than thirty years after the original publication of Helliconia Spring, the first volume of the Helliconia Trilogy, the series is newly available, now with a map, an afterword, and an introduction by the author. "The fascinating story of how Unix began and how it took over the world. Brian Kernighan was a member of the original group of Unix developers, the creator of several fundamental Unix programs, and co-author of classic books like "The C Programming Language" and "The Unix Programming Environment."-- This book brings together the voices of people from five continents who live, and research on the front lines of climate resistance and renewal. The many contributors to this volume explore the impacts of extreme weather events in Africa, the Caribbean and on Pacific islands, experiences of life-long defenders of the land and forests in Brazil, India, Indonesia, and eastern Canada, and efforts to halt the expansion of fossil-fuel infrastructure from North America to South Africa. They offer various perspectives on how a just transition toward a fossil-free economy can take shape, as they share efforts to protect water resources, better feed their communities, and implement new approaches to urban policy and energy democracy. Climate Justice and Community Renewal uniquely highlights the accounts of people who are directly engaged in local climate struggles and community renewal efforts, including on-the-ground land defenders, community organizers, leaders of international campaigns, agroecologists, activist-scholars, and many others who will appeal to students, researchers, activists, and all who appreciate the need for a truly justice-centered response to escalating climate disruptions. Water for the Environment: From Policy and Science to Implementation and Management provides a holistic view of environmental water management, offering clear links across disciplines that allow water managers to face mounting challenges. The book highlights current challenges and potential solutions, helping define the future direction for environmental water management. In addition, it includes a significant review of the current literature and state of knowledge, providing a one-stop resource for environmental water management. Presents a multidisciplinary approach that allows water managers to make connections across

disciplines, such as hydrology, ecology, law, and economics Links science to practice for environmental flow researchers and those that implement and manage environmental water on a daily basis Includes case studies to demonstrate key points and address implementation issues This book analyses the issues surrounding the protection of the environment in times of armed conflict and to pose questions as to its adequacy and efficacy. But the focus is not simply upon the interpretation of the legal provisions in isolation; instead, the analysis establishes a benchmark standard of environmental harm against which the adequacy and efficacy of the legal provisions can be measured. As the importance and dependence of specific mineral commodities increase, so does concern about their supply. The United States is currently 100 percent reliant on foreign sources for 20 mineral commodities and imports the majority of its supply of more than 50 mineral commodities. Mineral commodities that have important uses and face potential supply disruption are critical to American economic and national security. However, a mineral commodity's importance and the nature of its supply chain can change with time; a mineral commodity that may not have been considered critical 25 years ago may be critical today, and one considered critical today may not be in the future. The U.S. Geological Survey has produced this volume to describe a select group of mineral commodities currently critical to our economy and security. For each mineral commodity covered, the authors provide a comprehensive look at (1) the commodity's use; (2) the geology and global distribution of the mineral deposit types that account for the present and possible future supply of the commodity; (3) the current status of production, reserves, and resources in the United States and globally; and (4) environmental considerations related to the commodity's production from different types of mineral deposits. The volume describes U.S. critical mineral resources in a global context, for no country can be self-sufficient for all its mineral commodity needs, and the United States will always rely on global mineral commodity supply chains. This volume provides the scientific understanding of critical mineral resources required for informed decisionmaking by those responsible for ensuring that the United States has a secure and sustainable supply of mineral commodities. This book provides a holistic consideration of climate change that goes beyond the natural science, fleshing out the discussion by considering cultural, historical, and policy-driven aspects of this important issue. • Contributions from more than 100 experts • Excerpts from reports from international organizations such as the Intergovernmental Panel on Climate Change (IPCC) • Transcripts of speeches from world leaders on the climate change issue • Sidebars on the "climate history connection" explore the possible links between climate and key events through history, such as the Classical Maya collapse • Essential, annotated primary sources • Quotes from policy makers, scientists, eyewitnesses to climate change, and social and cultural leaders Discussing the way that scientists have observed and modeled glaciers, this volume tells how climate change is altering glacier size and distribution, and looks closely at their effect on human life. Glaciers are important water and energy sources for those living in mountains and adjacent lowlands, as well as increase the risk of flooding and landslides. In addition to investigating these issues and considering an array of possible responses, the contributors assess the cultural and spiritual impact of glacier retreat in this comprehensive work on one of the most urgent and conspicuous consequences of global warming. This book brings together contributions from the natural and social sciences to examine the social and environmental dimensions of human health. *Ecologies and Politics of Health* has explicit methodological substantive contributions to research and policy within these fields by addressing three key topics: the socio-political dimensions of human health; the ecological dimensions of health and environmental vulnerability; and the intersections between the social and ecological dimensions of health. Here is a no-nonsense guide to how you, the average American, can easily make clean energy and energy efficiency part of your daily life, saving money, making money, and weaning your community off fossil fuels.

fossil fuels in the process. Energy guru Brian F. Keane walks you through the cost-benefit trade-off of the exciting new technologies and introduces you to revolutionary clean-energy products on the horizon, making the ins and outs of renewable energy easily accessible. Featuring compelling, real-life stories that bring clean-energy problems and solutions from 30,000 feet to street level, *Green Is Good* walks you that last mile from awareness to adoption. It demonstrates how all of us can benefit from opportunity and profit from it. Keane also discusses the challenges that clean energy faces, and offers time-tested strategies to overcome them. A renewable energy future isn't just good for the environment; it's good for the economy, and *Green Is Good* will show you how—before it's too late. In a perfect world, software engineers who produce the best code are the most successful. In a perfectly messy world, success also depends on how you work with people to get your job done. In this highly entertaining book, Brian Fitzpatrick and Ben Collins-Sussman cover basic patterns and advanced patterns for working with other people, teams, and users while trying to develop software. This book provides valuable information from two respected software engineers whose popular series of talks—initially titled "Working with Poisonous People"—has attracted hundreds of thousands of followers. Writing software is a team sport, and human factors have as much influence on the outcome as technical factors. Even if you've spent decades learning the technical side of programming, this book teaches you about the often-overlooked human component. By learning to collaborate and investing in the "soft skills" of software engineering, you can have a much greater impact for the same amount of effort. *Team Geek* was named as a Finalist in the 2013 Jolt Awards from Dr. Dobbs's Journal. The award-winning publication's panel of judges chose five notable books, published during a 12-month period ending June 30, that every serious programmer should read. *The Art of UNIX Programming* poses the question: that understanding the unwritten UNIX engineering tradition and mastering its design patterns can help programmers of all stripes to become better programmers. This book attempts to capture the engineering wisdom and design philosophy of the UNIX, Linux, and Open Source software development community as it has evolved over the past three decades, and as it is applied to the work of most experienced programmers. Eric Raymond offers the next generation of "hackers" the unique opportunity to learn the connection between UNIX philosophy and practice through careful case studies of the very best UNIX/Linux programs. Nowhere has the divide between advocates and critics of globalization been more striking than in debates over free trade and the environment. And the academic literature on the subject is high on rhetoric and low on results. This book is the first to systematically investigate the subject using both economic theory and empirical analysis. Brian Copeland and Richard Taylor establish a powerful theoretical framework for examining the impact of international trade on local pollution levels, and use it to offer a uniquely integrated treatment of the links between trade, economic growth, liberalized trade, and the environment. The authors set out the two leading theories linking international trade to environmental outcomes, develop their empirical implications, and examine their validity using data on measured sulfur dioxide concentrations from over 100 cities worldwide during the period from 1971 to 1986. The empirical results are provocative. For an average country in the sample, free trade is good for the environment. There is little evidence that developing countries will specialize in pollution-intensive products with further trade. In fact, the results suggest just the opposite: free trade will shift pollution-intensive goods production from poor countries with lax regulation to rich countries with tight regulation, thereby lowering world pollution. The results also suggest that pollution declines amid economic growth fueled by economy-wide technological progress but rises when growth is fueled by capital accumulation alone. Lucidly argued and authoritatively written, this book will provide students and researchers of international trade and environmental economics a more reliable way of thinking about this contentious issue, and the methodological tools with which to do so. A novel of fiction

traveling adventure from the author of the story "Supertoys Last All Summer Long," the basis for the movie A.I.: Artificial Intelligence. Winner of two Hugo Awards, one Nebula Award, and named a Grand Master by the Science Fiction Writers of America, Brian W. Aldiss challenged readers' minds for over fifty years with literate, thought-provoking, and inventive science fiction. In the year 2037, human consciousness has expanded to the point that man can now travel to the past using a technique called "mind-traveling." Artist Edward Bush returns from a nearly three-year mind-travel to find that his government has crumbled and society is now under the leadership of a new regime. Given Bush's experience, he is recruited by the regime to track down and assassinate a scientist whose ideas threaten to topple everything they've built. This ebook includes an introduction by the author. This wide-ranging and accessible contribution to the study of risk, ecology and environment helps us to understand the politics of ecology and the place of social theory in making sense of environmental issues. The book provides insights into the complex dynamics of change in high-risk societies. A strange alien species forces us to question our definition of civilization in this biting satire from the Grand Master of Science Fiction. What would intelligent life forms on another planet look like? Would they walk upright? Would they wear clothes? Or would they be hulking creatures with six legs that wallow in their own excrement? Upon first contact with the Utod— intelligent, painless beings who feel no pain—mankind instantly views these aliens as animals because of their unfamiliar customs. This leads to the slaughter, capture, and dissection of the Utod. But when one explorer recognizes the intelligence behind their habits, he must reevaluate what it actually means to be "intelligent." This practical, tutorial-style book uses the Kali Linux distribution to teach Linux basics with a focus on how hackers would use them. Topics include Linux command line basics, files and networking, BASH basics, package management, logging, and the Linux kernel and drivers. If you're getting started along the exciting path of hacking, cybersecurity, and pentesting, Linux Basics for Hackers is an excellent first step. Using Kali Linux, an advanced penetration testing distribution of Linux, you'll learn the basics of using the Linux operating system and acquire the tools and techniques you'll need to take control of a Linux environment. First, you'll learn how to install Kali Linux on a virtual machine and get an introduction to basic Linux concepts. Next, you'll tackle broad Linux topics like manipulating text, controlling file and directory permissions, and managing user environment variables. You'll then focus in on foundational hacking concepts like security and anonymity and learn scripting skills with bash and Python. Practical tutorials and exercises throughout will reinforce and test your skills as you learn how to:

- Cover your tracks by changing your network information and manipulating the rsyslog logging utility
- Write a tool to scan for network connections, and connect and listen to wireless networks
- Keep your internet activities anonymous using Tor, proxy servers, VPNs, and encrypted email
- Write a bash script to scan open ports on potential targets
- Use and abuse services like MySQL, Apache web server, and OpenSSH
- Build your own hacking tools, such as a remote video spy camera and a password cracker

Hacking is complex, and there is no single way in. Why not start at the beginning with Linux Basics for Hackers? Covers Expression, Structure, Common Blunders, Documentation, & Structured Programming Techniques

Racial and ethnic disparities in health care are known to reflect access to health care and other issues that arise from differing socioeconomic conditions. There is, however, increasing evidence that even after such differences are accounted for, race and ethnicity remain significant predictors of the quality of health care received. In Unequal Treatment, a panel of experts documents this evidence and explores how persons of color experience the health care environment. The book examines how disparities in treatment may arise in health care systems and looks at factors of the clinical encounter that may contribute to such disparities. Patients' and providers' attitudes, expectations, and behavior are analyzed. How to intervene? Unequal Treatment offers

recommendations for improvements in medical care financing, allocation of care, availability of language translation, community-based care, and other arenas. The committee highlights the potential of cross-cultural education to improve provider-patient communication and offers a look at how to integrate cross-cultural learning within the health professions. The book concludes with recommendations for data collection and research initiatives. *Unequal Treatment* will be important to health care policymakers, administrators, providers, educators, and students as well as advocates for people of color.

Coordinating our use of the earth's natural resources is not easy. Resource users are many, their goals diverse, and their impacts on the environment often unpredictable. How we use those resources depends on the signals and incentives we receive, from either the market or our governments. These systems encourage certain uses of natural resources, but they are not perfect. We harm the environment not out of malice, but because we do not know the consequences of our actions, or the incentives for harm are too great to ignore. *Economics and the Environment* argues that, by lowering the cost and improving the quality of the necessary signals and incentives, we can better reconcile our diverse interests in the environment. It introduces an economic way of thinking about environmental issues, without assuming a background in economics: * how the economy and the environment interact * how resource use is coordinated in ideal market and real economies * the barriers to ideal signalling and incentives in real markets and real government planning * the economist's tools for dealing with natural resource issues * the uncertainty and complexity of environmental issues: climate change, water rights, air pollution and overharvesting of common resources. This second edition of *Economics and the Environment* is fully updated and includes new material on sustainability, valuation of environmental changes, the prospects for international cooperation under the Kyoto Protocol and the problems of defining and enforcing measures to protect biodiversity. It offers students in both economics and environmental studies programs a coherent framework for understanding our major environmental problems. 'Ian Wilks succeeds in providing a fresh perspective . . . a very interesting and informative textbook.' *Economic Record* This book promotes a historically and culturally sensitive understanding of trauma during and after World War II. Focusing especially on Eastern and Central Europe, its contributors take a fresh look at the experiences of violence and loss in 1939-45 and their long-term effects in different cultures and societies. The chapters analyze traumatic experiences among soldiers and civilians and expand the study of traumatic violence beyond psychiatric discourses and treatments. While acknowledging the problems of applying a present-day medical concept to the past, this book makes a case for a cultural, social and historical study of trauma. Moving the focus of historical trauma studies from World War I to World War II and from Western Europe to the east, it breaks new ground and helps to explain the troublesome politics of memory and trauma in post-1945 Europe the way to the present day. This book is an outcome of a workshop project 'Historical Trauma Studies,' funded by the Joint Committee for the Nordic Research Councils in the Humanities and Social Sciences (NOS-HS) in 2018-20. Chapters 4, 5 and 6 are available open access under a Creative Commons Attribution 4.0 International License via link.springer.com. A guide to the development process covers phase planning, indicators, models, configuration, project inception, system definition, design, and production, and project debriefing The definitive survey of Land and contemporary environmental art, now available in paperback The revision of the definitive text to Unix system programming is now available in a more portable format. War is humanity's only hope. "Aldiss' dark vision of collapsing society and withering earth is poignant and brutal . . . [a] richly detailed world" (*Science Fiction Ruminations*). In a future where the Earth has been saved by overpopulation and over-farming, robots are considered more valuable than humans and saved must be altered to create artificially fertile soil. Ex-convict Knowle Noland, the hallucinating s

captain of the Trieste Star, finds himself wrapped up in a plot to incite a global war that will kill millions. War, it seems, is the only way to drastically reduce the population and create a better world for those who survive.

Review: Based on Kernighan's Princeton course *Computers in Our World* is intended as a compact but detailed and thorough explanation of how computers and communications systems work, for non-technical readers. It explains how today's computing and communications world operates, from hardware through software to the Internet and the web, while addressing the social, political and legal issues that new technology creates. With the same authority that made their book *The Unix Programming Environment* a classic, Brian Kernighan and Rob Pike have written *The Practice of Programming* to help make individual programmers more effective and productive. The practice of programming is more than just writing code. Programmers must also assess tradeoffs, choose among design alternatives, debug and test, improve performance, and maintain software written by themselves and others. At the same time, they must be concerned with issues like compatibility, robustness, and reliability, while meeting specifications. *The Practice of Programming* covers all these topics, and more. This book is full of practical advice and real-world examples in C, C++, Java, and a variety of special-purpose languages. It includes chapters on: debugging: finding bugs quickly and methodically testing: guaranteeing that software works correctly and reliably performance: making programs faster and more compact portability: ensuring that programs run everywhere without change design: balancing goals and constraints to decide what algorithms and data structures are best interfaces: using abstraction and information hiding to control the interactions between components style: writing code that works well and is a pleasure to read notation: choosing languages and tools that let the machine do more of the work Kernighan and Pike have distilled years of experience writing programs, teaching, and working with other programmers to create this book. Anyone who writes software will profit from the principles and guidance in *The Practice of Programming*.

For anyone trying to separate the fact from the fiction *The Complete Guide to Climate Change* is an indispensable resource. Taking you through the ABCs of the key scientific, geographical and socio-political issues involved in the study of the environment and the implications of mankind's effect upon it, topics covered include: environmental Science the Carbon Cycle and the "Greenhouse Gases" the impacts of climate change on life, land and sea various mitigation strategies from carbon capture to carbon taxes the Kyoto Protocol and UNFCCC renewable fuel sources, from wind to solar power. Including guides to the latest scientific and governmental thinking on climate change, this book will tell you all you need to know about perhaps the biggest issue facing mankind today.

Marine Fishes of Arctic Canada is an accessible and up-to-date study of the diverse marine fish population existing in Canadian waters. A "conservative environmentalist tradition" in America may sound like a contradiction in terms, but as Brian Allen Drake shows in *Loving Nature, Fearing the State*, right-leaning politicians and activists have shaped American environmental consciousness since the environmental movement's beginnings. In this wide-ranging history, Drake explores the tensions inherent in balancing an ideology dedicated to limiting the power of government with a commitment to protecting treasured landscapes and ecological health. He argues that "antistatist" beliefs--an individualist ethos and a mistrust of government--have complicated the American passion for wilderness but also complicated environmental protection efforts. While most of the successes of the environmental movement have been enacted through the federal government, conservative and libertarian critiques of big-government environmentalism have increasingly resisted the idea that strengthening state power is the only way to protect the environment. *Loving Nature, Fearing the State* traces the influence of conservative environmental thought through the stories of important actors in postwar environmental movements. The book follows small-government pioneer Barry Goldwater as he tries to establish federally protected

wilderness lands in the Arizona desert and shows how Goldwater's intellectual and ideological struggles with this effort provide a framework for understanding the dilemmas of an antistat environmentalism. It links antigovernment activism with environmental public health concerns analyzing opposition to government fluoridation campaigns and investigates environmentalism a libertarian economic perspective through the work of free-market environmentalists. Drake sees in the work of Edward Abbey an argument that reverence for nature can form the basis resistance to state power. Each chapter highlights debates and tensions that are important to understanding environmental history and the challenges that face environmental protection today. The natural environment is a central issue in both academic and wider societal discourse. The global sport industry is not immune from this discussion and has to confront its responsibility to reduce its impact on the natural environment. This book goes further than any other in surveying both the challenges and the opportunities presented to the sports industry as it engages with the sustainability agenda, exploring the various ways in which sport scholars can integrate sustainability into their research. With a multidisciplinary sweep, including management, sociology, law, environment and ethics, this is a ground-breaking book in the study of sport. Drawing on cutting-edge research, it includes over thirty chapters covering all the most important themes in contemporary sport studies, such as: climate change, sustainability, and corporate social responsibility ethics, governance, the law event management, tourism, and pollution marketing, branding, and consumer behavior. The Olympics, urban development, and mega-event legacies. With contributions from world-leading researchers and practitioners from around the globe, this is the most comprehensive book ever published on sport and the environment. In their Preface, the authors explain, "This book is meant to help the reader learn how to program in C. It contains a tutorial introduction to get new users up and running as soon as possible, separate chapters on each major feature, and a reference manual. Most of the treatment is based on reading, writing, and revising examples, rather than on mere statements of rules. For the most part, the examples are complete, real programs, rather than isolated fragments. All examples have been tested directly from the text, which is in machine-readable form. Besides showing how to make effective use of the language, we have also tried where possible to illustrate useful algorithms and principles of good style and sound design..." Book jacket. This book is available from the following international editions: Thaines E and Bodah B. 2008. E.E. from Brazil to the USA: an invitation to the practical diversity on environmental education [Portuguese/English] Passos Fundo: Berthier. 300 p. Bodah ET and Bodah B. 2017. Revisiting environmental education from Brazil to the USA: an international edition. Barcelona: Editorial Académica Española, 147 p. In the 2018 edition our work is grouped in two parts: Part I - science and the environment written by W. Bodah; and Part II ¿ education and the environment written by Eliane T. Bodah. This book was written by undergraduate students at The Ohio State University (OSU) who were enrolled in the Introduction to Environmental Science. The chapters describe some of Earth's major environmental challenges and discuss ways that humans are using cutting-edge science and engineering to find sustainable solutions to these problems. Topics are as diverse as the students, who represent every department, school and college at OSU. The environmental issue that is described in each chapter is particularly important to the author, who hopes that their story will serve as inspiration to protect Earth for all life.