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This expanded, revised, and updated fourth edition of Nuclear Energy maintains the tradition of providing clear and comprehensive coverage of all aspects of the subject, with emphasis on the explanation of trends and developments. As in earlier editions, the book is divided into three parts that achieve a natural flow of ideas: Basic Concepts, including the fundamentals of energy, particle interactions, fission, and fusion; Nuclear Systems, including

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accelerators, isotope separators, detectors, and nuclear reactors; and Nuclear Energy and Man, covering the many applications of radionuclides, radiation, and reactors, along with a discussion of wastes and weapons. A minimum of mathematical background is required, but there is ample opportunity to learn characteristic numbers through the illustrative calculations and the exercises. An updated Solution Manual is available to the instructor. A new feature to aid the student is a set of some 50 Computer Exercises, using a diskette of personal computer programs in BASIC and

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spreadsheet, supplied by the author at a nominal cost. The book is of principal value as an introduction to nuclear science and technology for early college students, but can be of benefit to science teachers and lecturers, nuclear utility trainees and engineers in other fields.

Points out how vulnerable America's energy system is to sabotage, technical failures, and natural disasters, and discusses the advantages of decentralization

From the author of the New York Times bestseller *The Inevitable*—a sweeping vision of technology as a living force that can expand

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our individual potential In this provocative book, one of today's most respected thinkers turns the conversation about technology on its head by viewing technology as a natural system, an extension of biological evolution. By mapping the behavior of life, we paradoxically get a glimpse at where technology is headed-or "what it wants." Kevin Kelly offers a dozen trajectories in the coming decades for this near-living system. And as we align ourselves with technology's agenda, we can capture its colossal potential. This visionary and optimistic book explores how

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technology gives our lives greater meaning and is a must-read for anyone curious about the future.

A New York Times Best Book of the Year A Time Best Book of the Year A Kirkus Reviews Best Nonfiction Book of the Year 2020 Andrew Carnegie Medals for Excellence Winner From journalist Adam Higginbotham, the New York Times bestselling “account that reads almost like the script for a movie” (The Wall Street Journal)—a powerful investigation into Chernobyl and how propaganda, secrecy, and myth have obscured the true story of one of the history’s

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worst nuclear disasters. Early in the morning of April 26, 1986, Reactor Number Four of the Chernobyl Atomic Energy Station exploded, triggering one of the twentieth century's greatest disasters. In the thirty years since then, Chernobyl has become lodged in the collective nightmares of the world: shorthand for the spectral horrors of radiation poisoning, for a dangerous technology slipping its leash, for ecological fragility, and for what can happen when a dishonest and careless state endangers its citizens and the entire world. But the real story of the accident, clouded from the

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beginning by secrecy, propaganda, and misinformation, has long remained in dispute. Drawing on hundreds of hours of interviews conducted over the course of more than ten years, as well as letters, unpublished memoirs, and documents from recently-declassified archives, Adam Higginbotham brings the disaster to life through the eyes of the men and women who witnessed it firsthand. The result is a "riveting, deeply reported reconstruction" (Los Angeles Times) and a definitive account of an event that changed history: a story that is more complex, more human, and more terrifying

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than the Soviet myth. “The most complete and compelling history yet” (The Christian Science Monitor), Higginbotham’s “superb, enthralling, and necessarily terrifying...extraordinary” (The New York Times) book is an indelible portrait of the lessons learned when mankind seeks to bend the natural world to his will—lessons which, in the face of climate change and other threats, remain not just vital but necessary.

Today and Tomorrow
Work, Love, and Life when
Robots Rule the Earth
The Soviet Space Shuttle

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An Introduction to the Concepts,
Systems, and Applications of
Nuclear Processes

An Informal History of Liquid
Rocket Propellants

Space 2.0

WALNECK'S CLASSIC CYCLE

TRADER, ISSUE #33

Riding motorcycles is fun but Ken Condon maintains there is a state of being beyond the simple pleasure of rolling down the road, this book was written to help other riders find that state of being. It's the experience of being physically and mentally present in the moment, where every sense is sharply attuned to the ride. Your mind becomes silent to the chatter of daily life and everyday problems seem to

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dissolve, you feel a deeper appreciation for life. Your body responds to this state of being with precise, fluid movements, you feel in balance, your muscles are relaxed, and it seems as though every input you make is an expression of mastery. This is "the Zone." Condon has identified all the factors that affect entering the Zone and addresses each one individually, from the development of awareness and mental skills to mastering physical control of the motorcycle. At the end of each chapter are drills designed to transform the book's ideas into solid riding skills. A companion DVD is included to demonstrate each concept and technique.

If there is one thing Ford enthusiasts

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have learned over the years, deciphering which Ford parts work with which Ford engines is a far more difficult task than with many other engine families. Will Cleveland heads fit on my Windsor block? Can I build a stroker motor with factory parts? Can I gain compression by using older-model cylinder heads, and will it restrict flow? Is there a difference between Windsor 2-barrel and 4-barrel heads? These are just a few examples of common questions Ford fans have. These and many other questions are examined in this all-new update of a perennial best seller. Thoroughly researched and, unlike previous editions, now focused entirely on the small-block Windsor and Cleveland engine families, Ford

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Small Block Engine Parts

Interchange includes critical information on Ford's greatest small-block engines and goes into great detail on the highly desirable high-performance hardware produced throughout the 1960s, 1970s, and 1980s. By combining some of the best parts from various years, some great performance potential can be unlocked in ways Ford never offered to the general public. Following the advice in Ford Small-Block Engine Parts Interchange, these engine combinations can become reality. You will find valuable information on cranks, blocks, heads, cams, intakes, rods, pistons, and even accessories to guide you through your project. Author George Reid has once again

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done extensive research to accurately deliver a thorough and complete collection of Ford small-block information in this newly revised edition. Knowing what internal factory engine parts can be used across the wide range of production Ford power plants is invaluable to the hot rodder and swap meet/eBay shopper. Whether building a stroker Cleveland or a hopped-up Windsor, this book is an essential guide.

The Bulletin of the Atomic Scientists is the premier public resource on scientific and technological developments that impact global security. Founded by Manhattan Project Scientists, the Bulletin's iconic "Doomsday Clock" stimulates solutions for a safer world.

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New edition of the successful textbook updated to include new material on UAVs, design guidelines in aircraft engine component systems and additional end of chapter problems Aircraft Propulsion, Second Edition follows the successful first edition textbook with comprehensive treatment of the subjects in airbreathing propulsion, from the basic principles to more advanced treatments in engine components and system integration. This new edition has been extensively updated to include a number of new and important topics. A chapter is now included on General Aviation and Uninhabited Aerial Vehicle (UAV) Propulsion Systems that includes a discussion on electric and hybrid

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propulsion. Propeller theory is added to the presentation of turboprop engines. A new section in cycle analysis treats Ultra-High Bypass (UHB) and Geared Turbofan engines. New material on drop-in biofuels and design for sustainability is added to reflect the FAA's 2025 Vision. In addition, the design guidelines in aircraft engine components are expanded to make the book user friendly for engine designers. Extensive review material and derivations are included to help the reader navigate through the subject with ease. Key features: General Aviation and UAV Propulsion Systems are presented in a new chapter Discusses Ultra-High Bypass and Geared Turbofan engines

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Presents alternative drop-in jet fuels
Expands on engine components' design guidelines The end-of-chapter problem sets have been increased by nearly 50% and solutions are available on a companion website
Presents a new section on engine performance testing and instrumentation Includes a new 10-Minute Quiz appendix (with 45 quizzes) that can be used as a continuous assessment and improvement tool in teaching/learning propulsion principles and concepts
Includes a new appendix on Rules of Thumb and Trends in aircraft propulsion Aircraft Propulsion, Second Edition is a must-have textbook for graduate and undergraduate students, and is also

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an excellent source of information for researchers and practitioners in the aerospace and power industry.

Living and Working in Space

The Hacker's Dictionary

Energiya-Buran

Against the Domestication of Earth

The Complete Book of Ford Mustang

Ford Small-Block Engine Parts

Interchange

LIFE

Provides a thorough explanation of the basic properties of materials; of how these can be controlled by processing; of how materials are formed, joined and finished; and of the chain of reasoning that leads to a successful choice of material for a particular application. The materials covered are grouped into four classes: metals, ceramics, polymers and composites.

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Each class is studied in turn, identifying the families of materials in the class, the microstructural features, the processes or treatments used to obtain a particular structure and their design applications. The text is supplemented by practical case studies and example problems with answers, and a valuable programmed learning course on phase diagrams.

Explains why the environmental crisis should lead to an abandonment of "free market" ideologies and current political systems, arguing that a massive reduction of greenhouse emissions may offer a best chance for correcting problems.

Written by a trio of experts, this is the definitive reference on the Apollo spacecraft and lunar modules. It traces the design of the vehicles, their development, and their operation in

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space. More than 100 photographs and illustrations highlight the text, which begins with NASA's origins and concludes with the triumphant Apollo 11 moon mission.

An American bioengineering research firm erects a theme park on a Caribbean island, complete with living dinosaurs, and invites a group of scientists to be its first terrified guests.

Citroen Berlingo & Peugeot Partner

Owners Workshop Manual

General Field Procedures and

Diseases of Birds

Aircraft Year Book

Blindsight

Brittle Power

The NASA History of Skylab

Black Enterprise

The Complete Book of Ford

Mustang, 4th Edition details

the development, technical

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specifications, and history of America's original pony car, now updated to cover cars through the 2021 model year. The Integral Fast Reactor (IFR) is a fast reactor system developed at Argonne National Laboratory in the decade 1984 to 1994. The IFR project developed the technology for a complete system; the reactor, the entire fuel cycle and the waste management technologies were all included in the development program. The reactor concept had important features and characteristics that were completely new and fuel cycle and waste management

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technologies that were entirely new developments. The reactor is a “fast” reactor – that is, the chain reaction is maintained by “fast” neutrons with high energy – which produces its own fuel. The IFR reactor and associated fuel cycle is a closed system. Electrical power is generated, new fissile fuel is produced to replace the fuel burned, its used fuel is processed for recycling by pyroprocessing – a new development – and waste is put in final form for disposal. All this is done on one self-sufficient site. The scale and duration of the project and its funding made it

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the largest nuclear energy R and D program of its day. Its purpose was the development of a long term massive new energy source, capable of meeting the nation's electrical energy needs in any amount, and for as long as it is needed, forever, if necessary. Safety, non-proliferation and waste toxicity properties were improved as well, these three the characteristics most commonly cited in opposition to nuclear power. Development proceeded from success to success. Most of the development had been done when the program was abruptly cancelled by the

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newly elected Clinton Administration. In his 1994 State of the Union address the president stated that “unnecessary programs in advanced reactor development will be terminated.” The IFR was that program. This book gives the real story of the IFR, written by the two nuclear scientists who were most deeply involved in its conception, the development of its R and D program, and its management. Between the scientific and engineering papers and reports, and books on the IFR, and the non-technical and often impassioned dialogue that

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continues to this day on fast reactor technology, we felt there is room for a volume that, while accurate technically, is written in a manner accessible to the non-specialist and even to the non-technical reader who simply wants to know what this technology is.

This book offers a clearly written, entertaining and comprehensive source of medical information for both writers and readers of science fiction. Science fiction in print, in movies and on television all too often presents dubious or simply incorrect depictions of human biology and medical

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issues. This book explores the real science behind such topics as how our bodies adapt to being in space, the real-life feasibility of common plot elements such as suspended animation and medical nanotechnology, and future prospects for improving health, prolonging our lives, and enhancing our bodies through technology. Each chapter focuses on a single important science fiction-related subject, combining concise factual information with examples drawn from science fiction in all media. Chapters conclude with a “Bottom Line” section

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summarizing the most important points discussed in the chapter and giving science fiction writers practical advice on how to incorporate them into their own creations, including a list of references for further reading. The book will appeal to all readers interested in learning about the latest ideas on a variety of science fiction-related medical topics, and offers an invaluable reference source for writers seeking to increase the realism and readability of their works. Henry G. Stratmann, MD, FACC, FACP is a cardiologist with board certifications in internal medicine, cardiology,

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and nuclear cardiology. Before entering private practice he became Professor of Medicine at St. Louis University School of Medicine and performed clinical medical research. Henry received a BA in chemistry from St. Louis University and his MD at Southern Illinois University School of Medicine. He is currently enrolled at Missouri State University to obtain a BS in physics with a minor in astronomy. His professional publications include being an author or coauthor of many research articles for medical journals, primarily in the field of nuclear cardiology. Henry is

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also a regular contributor of both stories and science fact articles to Analog Science Fiction and Fact.

With a Haynes manual, you can do it yourself? from simple maintenance to basic repairs. Haynes writes every book based on a complete teardown of the motorcycle. We learn the best ways to do a job and that makes it quicker, easier and cheaper for you. Our books have clear instructions and hundreds of photographs that show each step. Whether you're a beginner or a pro, you can save big with Haynes --Step-by-step procedures --Easy-to-

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follow photos --Complete
troubleshooting section
--Valuable short cuts --Color
spark plug diagnosis Complete
coverage for your Honda
XR250L (1991 thru 1996),
XR250R (1986 thru 2004), and
XR400R (1996 thru 2004):
--Routine Maintenance --Tune-
up procedures --Engine, clutch
and transmission repair
--Cooling system --Fuel and
exhaust --Emissions control
--Ignition and electrical
systems --Brakes, wheels and
tires --Steering, suspension
and final drive --Frame and
bodywork --Wiring diagrams"
Riding in the Zone
Nuclear Energy

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Bulletin of the Atomic
Scientists
The Smell of Kerosene
Case Studies of Major
Disasters and Human
Fallibility

Engineering Materials 2
WALNECK'S CLASSIC CYCLE
TRADER, ISSUE #33Causey
Enterprises,
LLCOvershootThe Ecological
Basis of Revolutionary
ChangeUniversity of
Illinois Press
BLACK ENTERPRISE is the
ultimate source for wealth
creation for African
American professionals,
entrepreneurs and

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corporate executives.
Every month, BLACK
ENTERPRISE delivers
timely, useful information
on careers, small business
and personal finance.
The Smell of Kerosene
tells the dramatic story
of a NASA research pilot
who logged over 11,000
flight hours in more than
125 types of aircraft.
Donald Mallick gives the
reader fascinating
firsthand descriptions of
his early naval flight
training, carrier
operations, and his
research flying career
with NASA and its

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predecessor agency, the National Advisory Committee for Aeronautics (NACA).

This book tells the story of the Soviet and Russian lunar programme, from its origins to the present-day federal Russian space programme. Brian Harvey describes the techniques devised by the USSR for lunar landing, from the LK lunar module to the LOK lunar orbiter and versions tested in Earth's orbit. He asks whether these systems would have worked and examines how well they were tested. He concludes

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that political mismanagement rather than technology prevented the Soviet Union from landing cosmonauts on the moon. The book is well timed for the return to the moon by the United States and the first missions there by China and India.

Using Medicine in Science Fiction

The Story of the Integral Fast Reactor, the Complex History of a Simple Reactor Technology, with Emphasis on Its Scientific Basis for Non-specialists
A Test Pilot's Odyssey
Revolutionary Advances in

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the Space Industry
Energy Strategy for
National Security
The Ecological Basis of
Revolutionary Change
This Changes Everything

LIFE Magazine is the treasured photographic magazine that chronicled the 20th Century. It now lives on at LIFE.com, the largest, most amazing collection of professional photography on the internet. Users can browse, search and view photos of today's people and events. They have free access to share, print and post images for personal

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use.

The Lockheed Blackbirds hold a unique place in the development of aeronautics. In their day, the A-12, YF-12, M-21, D-21, and SR-71 variants outperformed all other jet airplanes in terms of altitude and speed. Now retired, they remain the only production aircraft capable of sustained Mach 3 cruise and operational altitudes above 80,000 feet. This is the first book to address the technical aspects of these incredible aircraft. The author describes the

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design evolution of the Blackbird, from the Archangel to the Senior Crown (the Air Force's SR-71.) He describes in detail the construction and materials challenges faced by Lockheed, as well as the Blackbird's performance characteristics and capabilities. A NASA historian, the author describes NASA's role in using the aircraft as a flying laboratory to collect data on materials, structures, loads, heating, aerodynamics, and performance for high-speed

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aircraft. The reader will benefit from the technical and programmatic lessons learned. This volume was produced in cooperation with the National Aeronautics and Space Administration.

This absorbing book describes the long development of the Soviet space shuttle system, its infrastructure and the space agency's plans to follow up the first historic unmanned mission. The book includes comparisons with the American shuttle system and offers accounts of the

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Soviet test pilots chosen for training to fly the system, and the operational, political and engineering problems that finally sealed the fate of Buran and ultimately of NASA's Shuttle fleet.

Thorough yet concise, **ESSENTIALS OF STRATEGIC MANAGEMENT, Third Edition**, is a brief version of the authors' market-leading text **STRATEGIC MANAGEMENT: AN INTEGRATED APPROACH**. Following the same framework as the larger book, **ESSENTIALS** helps students identify and focus on core concepts in

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the field in a more succinct, streamlined format. Based on real-world practices and current thinking, the text's presentation of strategic management features an increased emphasis on the business model concept as a way of framing the issues of competitive advantage. Cutting-edge research, new strategic management theory, and a hands-on approach allow students to explore major topics in management, including corporate performance, governance, strategic

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leadership, technology, and business ethics. In addition, a high-quality case program examines small, medium, and large companies--both domestic and international--so that students gain experience putting chapter concepts into real-world practice in a variety of scenarios. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

**The Untold Story of the
World's Greatest Nuclear
Disaster**

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**The SF Writer's Guide to
Human Biology**

**What Technology Wants
Conceptual Design for
Engineers**

Jurassic Park

Every Model Since 1964-1/2

Plentiful Energy

**Experts agree that the
nation would benefit if
more young people**

"turned on" to the

**sciences. This book is
designed as a tool to do
just that. It is based on**

Opportunities in

Chemistry, a National

Research Council

publication that

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incorporated the contributions of 350 researchers working at the frontiers of the field. Chemistry educators Janice A. Coonrod and the late George C. Pimentel revised the material to capture the interest of today's student. A broad and highly readable survey, the volume explores: The role of chemistry in attacking major problems in environmental quality, food production, energy, health, and other important areas.

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Opportunities at the leading edge of chemistry, in controlling basic chemical reactions and working at the molecular level. Working with lasers, molecular beams, and other sophisticated measurement techniques and tools available to chemistry researchers. The book concludes with a discussion of chemistry's role in society's risk-benefit decisions and a review of career and educational opportunities.

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Although first published nearly thirty years ago, this book remains up-to-date, intellectually stimulating and realistic. Unlike most texts in the field, it relates design closely to the science and mathematics that are students' chief concern, and shows their relevance. It shows how to make simple but illuminating calculations, and how to achieve the insight and the invention that often result from them. Covering design principles in depth, this

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is, and remains, an original book: although some of the ideas which were novel in 1971 are now widely accepted, others remain new. This document is a collection of slang terms used by various subcultures of computer hackers. Though some technical material is included for background and flavor, it is not a technical dictionary; what we describe here is the language hackers use among themselves for fun, social

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communication, and technical debate.

This book discusses the risks of information concealment in the context of major natural or industrial disasters - offering detailed descriptions and analyses of some 25 historical cases (Three Mile Island nuclear accident, Bhopal disaster, Challenger Space Shuttle explosion, Chernobyl nuclear disaster, Deepwater Horizon oil spill, Fukushima-Daiichi nuclear disaster, Enron's

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bankruptcy, Subprime mortgage crisis, Worldwide Spanish flu and SARS outbreaks, etc.) and applying these insights to selected on-going cases where such information concealment is suspected. Some successful examples of preventive anti-concealment practice are also presented. In the book, the term 'concealment' is used to represent the two distinct behaviors uncovered in the investigations: (i) facts and information

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about an organization and its functioning being hidden from those that need them - here the concealment can be due to various factors, such as complexity and miscommunication, to name but two - and (ii) the conscious and deliberate action of keeping important information secret or misrepresenting it. This second meaning makes up a surprisingly important part of the evidence presented. Accordingly, emphasis

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has been put on this second aspect and the approach is more pragmatic than academic, remaining focused on evidence-based practical and useful factors. It raises awareness and provides valuable lessons for decision- makers, risk specialists and responsible citizens alike. This work is also intended as a fact-based reference work for future academic and scholarly investigations on the roots of the problem, in particular regarding any

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**psychological or
sociological modeling of
human fallibility.**

**Naval Accidents,
1945-1988**

**Field Manual of Wildlife
Diseases**

Keeping the Wild

**Man-made Catastrophes
and Risk Information**

Concealment

**Capitalism Vs. The
Climate**

Chariots for Apollo

An Introduction to

Microstructures,

Processing and Design

Is it time to embrace the so-called "Anthropocene"—the

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age of human dominion—and to abandon tried-and-true conservation tools such as parks and wilderness areas? Is the future of Earth to be fully domesticated, an engineered global garden managed by technocrats to serve humanity? The schism between advocates of rewilding and those who accept and even celebrate a “post-wild” world is arguably the hottest intellectual battle in contemporary conservation. In *Keeping the Wild*, a group of prominent scientists, writers, and conservation activists responds to the Anthropocene-boosters who claim that wild nature is no

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more (or in any case not much worth caring about), that human-caused extinction is acceptable, and that “novel ecosystems” are an adequate replacement for natural landscapes. With rhetorical fists swinging, the book’s contributors argue that these “new environmentalists” embody the hubris of the managerial mindset and offer a conservation strategy that will fail to protect life in all its buzzing, blossoming diversity. With essays from Eileen Crist, David Ehrenfeld, Dave Foreman, Lisi Krall, Harvey Locke, Curt Meine, Kathleen Dean Moore, Michael Soulé, Terry

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Tempest Williams and other leading thinkers, *Keeping the Wild* provides an introduction to this important debate, a critique of the Anthropocene boosters' attack on traditional conservation, and unapologetic advocacy for wild nature.

A true revolution has rocked the space industry, as Silicon Valley and new startup companies around the world have shaken up the status quo. This has in turn triggered a hefty response among traditional aerospace companies, launching the sector into the new Space 2.0. This book explains how and why this remarkable

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change has happened, starting from the industry's origins during the Space Age and working its way to the present day. No other industry in the world has experienced the dramatic shift in technology and services as rapidly as the field of satellite services and rocket launch systems has. This book analyzes the dynamic shift over the past decade in how satellites are designed, manufactured, launched, and operated. It also turns an eye to the future, discussing the amazing feats and potential issues we can expect from this shifting arena by 2030. With its beginner-friendly

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writing style and plethora of illustrations, this book serves as a perfect introductory text to students and professionals alike wishing to learn more about the key trends in the field of space applications and launch systems.

Blindsight is the Hugo Award-nominated novel by Peter Watts, "a hard science fiction writer through and through and one of the very best alive" (The Globe and Mail). Two months have past since a myriad of alien objects clenched about the Earth, screaming as they burned. The heavens have been silent since—until a derelict space probe hears

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whispers from a distant comet. Something talks out there: but not to us. Who should we send to meet the alien, when the alien doesn't want to meet? Send a linguist with multiple-personality disorder and a biologist so spliced with machinery that he can't feel his own flesh. Send a pacifist warrior and a vampire recalled from the grave by the voodoo of paleogenetics. Send a man with half his mind gone since childhood. Send them to the edge of the solar system, praying you can trust such freaks and monsters with the fate of a world. You fear they may be

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more alien than the thing they've been sent to find—but you'd give anything for that to be true, if you knew what was waiting for them. . . . At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied. Robots may one day rule the world, but what is a robot-ruled Earth like? Many think the first truly smart robots will be brain emulations or ems. Scan a human brain, then run a model with the same connections on a fast computer, and you have a robot brain, but recognizably human. Train an em to do some job and copy

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it a million times: an army of workers is at your disposal. When they can be made cheaply, within perhaps a century, ems will displace humans in most jobs. In this new economic era, the world economy may double in size every few weeks. Some say we can't know the future, especially following such a disruptive new technology, but Professor Robin Hanson sets out to prove them wrong. Applying decades of expertise in physics, computer science, and economics, he uses standard theories to paint a detailed picture of a world dominated by ems. While human lives don't change greatly in the

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em era, em lives are as different from ours as our lives are from those of our farmer and forager ancestors. Ems make us question common assumptions of moral progress, because they reject many of the values we hold dear. Read about em mind speeds, body sizes, job training and career paths, energy use and cooling infrastructure, virtual reality, aging and retirement, death and immortality, security, wealth inequality, religion, teleportation, identity, cities, politics, law, war, status, friendship and love. This book shows you just how strange your descendants may

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be, though ems are no stranger than we would appear to our ancestors. To most ems, it seems good to be an em.

Advanced Techniques for Skillful Motorcycling
Midnight in Chernobyl
Design and Development of the Blackbird

Machinery

Opportunities in Chemistry
Soviet and Russian Lunar Exploration

The NASA History of Manned Lunar Spacecraft to 1969

Our day-to-day experiences over the past decade have taught us that there must be limits to our tremendous appetite for energy, natural resources, and consumer goods. Even utility and oil

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companies now promote conservation in the face of demands for dwindling energy reserves. And for years some biologists have warned us of the direct correlation between scarcity and population growth. These scientists see an appalling future riding the tidal wave of a worldwide growth of population and technology. A calm but unflinching realist, Catton suggests that we cannot stop this wave - for we have already overshot the Earth's capacity to support so huge a load. He contradicts those scientists, engineers, and technocrats who continue to write optimistically about energy alternatives. Catton asserts that the technological panaceas proposed by those who

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would harvest from the seas, harness the winds, and farm the deserts are ignoring the fundamental premise that "the principals of ecology apply to all living things." These principles tell us that, within a finite system, economic expansion is not irreversible and population growth cannot continue indefinitely. If we disregard these facts, our sagging American Dream will soon shatter completely.

This newly reissued debut book in the Rutgers University Press Classics Imprint is the story of the search for a rocket propellant which could be trusted to take man into space. This search was a hazardous enterprise carried out by rival labs who worked

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against the known laws of nature, with no guarantee of success or safety. Acclaimed scientist and sci-fi author John Drury Clark writes with irreverent and eyewitness immediacy about the development of the explosive fuels strong enough to negate the relentless restraints of gravity. The resulting volume is as much a memoir as a work of history, sharing a behind-the-scenes view of an enterprise which eventually took men to the moon, missiles to the planets, and satellites to outer space. A classic work in the history of science, and described as "a good book on rocket stuff...that's a really fun one" by SpaceX founder Elon Musk, readers will want to get their hands on this influential classic,

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available for the first time in decades.

The official record of America's first space station, this book from the NASA History Series chronicles the Skylab program from its planning during the 1960s through its 1973 launch and 1979 conclusion. 1983 edition.

Aircraft Propulsion

Overshoot

The Age of Em

From Archangel to Senior Crown

Ignition!

Essentials of Strategic

Management