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CPO Focus on Physical Science

This is a completely updated and revised version of a monograph published in 2002 by the NASA History Office under the original title Deep Space Chronicle: A Chronology of Deep Space and Planetary Probes, 1958-2000. This new edition not only adds all events in robotic deep space exploration after 2000 and up to the end of 2016, but it also completely corrects and updates all accounts of missions from 1958 to 2000--Provided by publisher.

Feminism and the Politics of Travel After the Enlightenment

Nutrition and Eye Health

Who's who in the West

This textbook details basic principles of planetary science that help to unify the study of the solar system. It is organized in a hierarchical manner so that every chapter builds upon preceding ones. Starting with historical perspectives on space exploration and the development of the scientific method, the book leads the reader through the solar system. Coverage

explains that the origin and subsequent evolution of planets and their satellites can be explained by applications of certain basic principles of physics, chemistry, and celestial mechanics and that surface features of the solid bodies can be interpreted by principles of geology.

Naval Accidents, 1945-1988

Geographical data are used in so many aspects of our lives today, from disaster relief operations to finding directions on our cellphones. Geographical Information Systems (GIS) are the software tools that turn raw data into useful information that can help us understand our world better. Principles of Geographical Information Systems presents a strong theoretical basis for GIS-often lacking in other texts-and an account of its practice. Through real-world examples, this text clearly explains the importance of spatial data and the information systems based upon them in solving a range of practical problems.

Monthly Catalog of United States Government Publications

Includes authors, titles, subjects.

Astronomy

Noninfectious diseases; Infectious diseases; Ecology and taxonomy of pathogenic fungi; Disease control strategy; Disease diagnosis.

Introduction to Planetary Science

Technical Book Review

This book describes how sand dunes work, why they are the way they are in different settings, and how they are being studied. Particular attention is paid to their formation and appearance elsewhere in the solar system. New developments in knowledge about dunes make for an interesting story - like the dunes themselves, dune science is dynamic - and the visual appeal of Aeolian geomorphology ensures that this is an attractive volume. The book is divided into 4 parts, the first of which introduces dunes as a planetary phenomenon, showing a landscape reflecting the balance of geological processes - volcanism, impact, tectonics, erosion, deposition of sediments. Dunes are then considered as emergent dynamical systems: the interaction of sand and wind conspires to generate very characteristic and reproducible shapes. Analogies are given

with other emergent structures such as patterned ground before the influence of dunes on desert peoples and infrastructure is studied, together with their use as forensic climatological indicators. Dune Physics is looked at with regard to the mechanics of sand, the physics of wind, saltation – interaction of sand and air – dunes versus ripples and transverse Aeolian ridges, the classification of dune morphology and the sources and sinks of sand. Dune Trafficability considers soil mechanics, effects on mobility on Earth, Mars and elsewhere. In the second part, Earth, Mars, Titan and other moons and planets are examined, beginning with a survey of the major deserts and dunefields on Earth. The authors then turn to Mars and its environment, sediment type, dune stratigraphy, sediment source and sinks and the association of dunes with topographic features. Titan follows - its thick, cold atmosphere, methane dampness, low gravity, morphology – interaction with topography and the implications of dunes for climate and winds. Dunes elsewhere conclude this part. There are few dunefields on Venus, but there is a possibility of Aeolian transport on Triton and volcanic-related windstreaks on Io.

73 Amateur Radio Today

This book provides an essential overview of wind science and engineering, taking readers on a journey through the origins, developments, fundamentals, recent advancements and latest trends in this broad field. Along the way, it addresses a diverse range of topics, including: atmospheric physics; meteorology; micrometeorology; climatology; the aerodynamics of buildings, aircraft, sailing boats, road vehicles and trains; wind energy; atmospheric pollution; soil erosion; snow drift, windbreaks and crops; bioclimatic city-planning and architecture; wind actions and effects on structures; and wind hazards, vulnerability and risk. In order to provide a comprehensive overview of wind and its manifold effects, the book combines scientific, descriptive and narrative chapters. The book is chiefly intended for students and lecturers, for those who want to learn about the genesis and evolution of this topic, and for the multitude of scholars whose work involves the wind.

Principles of Geographical Information Systems

Sail Away It's a perfect day for sailing. Motor under the bridge, putt . . . putt . . . putt past the lighthouse, put up the sails, and whoosh! But watch out for a change in the weather. Seas will swell and waves will crash before you sail back home.

Manual of Remote Sensing: Remote sensing for the earth sciences

Astronomy is written in clear non-technical language, with the occasional touch of humor and a wide range of clarifying illustrations. It has many analogies drawn from everyday life to help non-science majors appreciate, on their own terms, what our modern exploration of the universe is revealing. The book can be used for either a one-semester or two-semester introductory course (bear in mind, you can customize your version and include only those chapters or sections you will be

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

Compendium of Turfgrass Diseases

This second edition of Fundamentals of Geophysics has been completely revised and updated, and is the ideal geophysics textbook for undergraduate students of geoscience with an introductory level of knowledge in physics and mathematics. It gives a comprehensive treatment of the fundamental principles of each major branch of geophysics, and presents geophysics within the wider context of plate tectonics, geodynamics and planetary science. Basic principles are explained with the aid of numerous figures and step-by-step mathematical treatments, and important geophysical results are illustrated with examples from the scientific literature. Text-boxes are used for auxiliary explanations and to handle topics of interest for more advanced students. This new edition also includes review questions at the end of each chapter to help assess the reader's understanding of the topics covered and quantitative exercises for more thorough evaluation. Solutions to the exercises and electronic copies of the figures are available at www.cambridge.org/9780521859028.

Thomas Register of American Manufacturers and Thomas Register Catalog File

This book includes designs of traditional Japanese bamboo fences, as well as diagrams illustrating the basic techniques of creating a fence including splitting bending, joining and tying bamboo. Paired with step-by-step instructions, these designs will prove the perfect starting point for those who aspire to become a professional garden designer.

The New York Times Book Review

A guide to getting the most out of a GPS system provides information on such topics as building and hooking up data cables, modifying the iPAQ cradle, grabbing screenshots, and customizing GPS games.

Taming Liquid Hydrogen

Governor Robin Sanders is the conservative Georgia darling of the upcoming Republican presidential primary. The daughter of a state legislator, Robin is running on a traditional values platform. The governor's skeletons are buried so deeply that even the media hasn't been able to uncover them—until now. Poised for victory, a breaking scandal threatens not only her election chances but everything she's worked toward for years. Adrienne Austen was Robin's college roommate, best friend and lover. Now a successful out-and-proud musician, Adrienne has watched Governor Sanders' rise to fame with increasing irritation. Before the final debate, a dramatic reunion between Robin and Adrienne leads to shocking revelations. The two nearly destroyed each other once. Can they survive these new Hurricane Days?

A Manual of Etymology

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

Great Inventions that Changed the World

Remote Compositional Analysis

Introduction to Astronomy & Cosmology is a modern undergraduate textbook, combining both the theory behind astronomy with the very latest developments. Written for science students, this book takes a carefully developed scientific approach to

this dynamic subject. Every major concept is accompanied by a worked example with end of chapter problems to improve understanding Includes coverage of the very latest developments such as double pulsars and the dark galaxy. Beautifully illustrated in full colour throughout Supplementary web site with many additional full colour images, content, and latest developments.

Moody's Industrial Manual

Life on an Ocean Planet

Dune Worlds

Scientific and Technical Books and Serials in Print

Blindness and visual impairment impact significantly on an individual's physical and mental well-being. Loss of vision is a global health problem, with approximately 250 million of the world's population currently living with vision loss, of which 36 million are classified as blind. Visual impairment is more frequent in the elderly, with cataract and age-related macular degeneration (AMD) accounting for over 50% of cases globally. Oxidative stress has been strongly implicated in the pathogenesis of both conditions, and consequently the role of nutritional factors, in particular carotenoids and micronutrient antioxidants, have been investigated as possible preventative or therapeutic strategies. Dry eye syndrome (DES) is one of the most common ophthalmic conditions in the world. DES occurs where the eye does not produce enough tears and/or the tears evaporate too quickly leading to discomfort and varying degrees of visual disturbance. There has recently been a great deal of interest in the potential for oral or topical supplementation with essential fatty acids (EFAs), specifically omega-3 and omega-6 fatty acids, as an adjunct to conventional treatments for DES. The objective of this Special Issue on 'Nutrition and Eye Health' is to publish papers describing the role of nutrition in maintaining eye health and the use of nutritional interventions to prevent or treat ocular disease. A particular (but not exclusive) emphasis will be on papers (reviews and/or clinical or experimental studies) relating to cataract, AMD and DES.

Fundamentals of Geophysics

Beyond Earth

Vols. for 1970-71 includes manufacturers' catalogs.

Coal Geology

Covering New York, American & regional stock exchanges & international companies.

Hurricane Days

Manned space programs attract the most media attention, and it is not hard to understand why: the danger, the heroism, the sheer adventure we as earthbound observers can imagine when humans are involved. But robotic missions deserve a respectful and detailed history and analysis of their own, and this book provides it. Instead of describing one specific spacecraft or mission, Michel van Pelt offers a "behind the scenes" look at the life of a space probe from its first conceptual design to the analysis of the scientific data returned by the spacecraft.

Space Invaders

Sail Away

Discover the inventions that have made our world what it is today A great invention opens the door to a new era in human history. The stone axe, for example, invented some 2 million years ago in East Africa, enabled us to enter the human path of endless improvements through inventions. The taming of fire enabled us to cook food as well as leave the warmth of Africa and move to the frigid lands of the North. From the stone axe to the computer and the Internet, this book provides a fascinating tour of the most important inventions and inventors throughout history. You'll discover the landmark achievements and the men and women that made the world what it is today. Great Inventions That Changed the World is written by Professor James Wei, a renowned educator and engineer who holds several patents for his own inventions. Following an introductory chapter examining the role of inventors and inventions in fueling innovation and global advancement, the book is organized to show how inventions are spurred by human needs and desires, including: Work Food, clothing, and housing Health and reproduction Security As you progress through the book, you'll not only learn about inventions and inventors, but also the impact they have had on our lives and the society and environment in which we live today. Inventions solve problems, but as this book so expertly demonstrates, they can also directly or indirectly create new

problems as well, from pollution to global warming to bioterrorism. By enabling us to understand the impact of inventions throughout history, this book can help guide the next generation of citizens, decision makers, and inventors.

The Sailor's Word-book

This book provides an overview on nuclear physics and energy production from nuclear fission. It serves as a readable and reliable source of information for anyone who wants to have a well-balanced opinion about exploitation of nuclear fission in power plants. The text is divided into two parts; the first covers the basics of nuclear forces and properties of nuclei, nuclear collisions, nuclear stability, radioactivity, and provides a detailed discussion of nuclear fission and relevant topics in its application to energy production. The second part covers the basic technical aspects of nuclear fission reactors, nuclear fuel cycle and resources, safety, safeguards, and radioactive waste management. The book also contains a discussion of the biological effects of nuclear radiation and of radiation protection, and a summary of the ten most relevant nuclear accidents. The book is suitable for undergraduates in physics, nuclear engineering and other science subjects. However, the mathematics is kept at a level that can be easily followed by wider circles of readers. The addition of solved problems, strategically placed throughout the text, and the collections of problems at the end of the chapters allow readers to appreciate the quantitative aspects of various phenomena and processes. Many illustrations and graphs effectively supplement the text and help visualising specific points.

Old Fashioned Recipe Book

Taking the Enlightenment and the feminist tradition to which it gave rise as its historical and philosophical coordinates, *Feminism and the Politics of Travel After the Enlightenment* explores the coincidence of feminist vindications and travel in the late eighteenth and nineteenth centuries, the way travel's utopian dimension and feminism's utopian ideals have intermittently fed off each other in productive ways. Travel's gender politics is analyzed in the works of J.-J. Rousseau, Mary Wollstonecraft, Stéphanie-Félicité de Genlis, Germaine de Staël, Frances Burney, Flora Tristan, Suzanne Voilquin, Gustave Flaubert, George Sand, Robyn Davidson, and Sara Wheeler.

Hacking GPS

Comprehensive overview of the spectroscopic, mineralogical, and geochemical techniques used in planetary remote sensing.

Energy from Nuclear Fission

Wind Science and Engineering

Teacher digital resource package includes 2 CD-ROMs and 1 user guide. Includes Teacher curriculum guide, PowerPoint chapter presentations, an image gallery of photographs, illustrations, customizable presentations and student materials, Exam Assessment Suite, PuzzleView for creating word puzzles, and LessonView for dynamic lesson planning. Laboratory and activity disc includes the manual in both student and teacher editions and a lab materials list.

InfoWorld

Twenty Thousand Leagues Under the Sea

A global exploration of coal geology, from production and use to chemical properties and coal petrology Coal Geology, 3rd Edition, offers a revised and updated edition of this popular book which provides a comprehensive overview of the field of coal geology including coal geophysics, hydrogeology and mining. Also covered in this volume are fully revised coverage of resource and reserve definitions, equipment and recording techniques together with the use of coal as an alternative energy source as well as environmental implications. This third edition provides a textbook ideally suited to anyone studying, researching or working in the field of coal geology, geotechnical engineering and environmental science. Fills the gap between academic aspects of coal geology and the practical role of geology in the coal industry Examines sedimentological and stratigraphical geology, together with mining, geophysics, hydrogeology, environmental issues and coal marketing Defines global coal resource classifications and methods of calculation Addresses the alternative uses of coal as a source of energy Covers a global approach to coal producers and consumers

Introduction to Astronomy and Cosmology

SCOTT (Copy 1): From the John Holmes Library collection.

Books in Print Supplement

Building Bamboo Fences

The Cape Town Convention

This book explains the application of the Convention on International Interests in Mobile Equipment to space assets, The Cape Town Convention, in a manner that is useful to lawyers engaged in satellite finance and to academics who desire to understand this treaty.

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[HISTORICAL FICTION](#) [HORROR](#) [LITERARY FICTION](#) [NON-FICTION](#) [SCIENCE FICTION](#)