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Ignition An Informal History Of Liquid Rocket Propellants Unknown Binding John D Clark

In this definitive study, J. D. Hunley traces launch-vehicle technology from Goddard's early rockets through the Titan IVA and the Space Shuttle, with a focus on space-launch vehicles. Focusing especially on the engineering culture of the program, Hunley communicates the very human side of technological development by means of anecdotes, character sketches, and case studies of problems faced by rocket engineers. He shows how such a highly adaptive approach enabled the evolution of a hugely complicated technology that was impressive--but decidedly not rocket science.

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This book is a printed edition of the Special Issue "Functional Materials Based on Metal Hydrides" that was published in Inorganics Adventure, murder, and heart-warming triumphs await within, but this isn't your typical anthology. A curious collection of fiction and nonfiction, this special volume explores the process of team-written work and its relationship to writing alone. Twelve original works of fiction written by four teams invite you to explore unique

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"It started as land purchased in 1880 to fill the Ordnance Department's need for a powder depot near the Atlantic Coast. Once an enterprise to produce and store something so explosively dangerous had gotten underway, a continuous inflow of expertise was needed to make that enterprise flourish. This begins to explain how the Dover Powder Depot grew from a modest operation to supply gunpowder into the nation's principle ammunition loading operation at the start of World War II. Today, Picatinny Arsenal is a brainpower hub where more than 5,000 scientists, engineers and support staff turn leading-edge technology into the weapons, ammunition, and related production and storage designs to make United States service members the best-armed fighters in the world. [This book] chronicles the development of this enduring national asset. The armaments developers who work at Picatinny Arsenal today are part of a legacy of providing state-of-the-art weapons designs that have directly influenced outcomes in numerous U.S. battles and campaigns."--Page 4 of cover.

After a day of misadventures, Curious George becomes the first space monkey.

"A classic study of the development of the Saturn launch vehicle that took Americans to the moon in the 1960s"--Back cover.

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advances in space medicine have made human space travel more attainable than ever before. This entertaining but nevertheless authoritative book gives a practical introduction to space travel from a number of viewpoints: How spacecraft are built, how to steer and navigate them, instructions for a comfortable everyday life in space and a guide to remain healthy and strong in weightlessness. The Spacefarer's Handbook is full of advice, tips and anecdotes to prepare the reader for their own trip to space. At the same time, it does not lose the scientific perspective on spaceflight. The authors, a physicist and a space medicine specialist, explain the underlying concepts rigorously and include recent research findings. From the operating principles of rocket engines, via bone loss in weightlessness to the methane lakes of Titan, this book contains everything aspiring spacefarers need to know! "Highly recommended for everyone who wants to fly to space and all passengers of our mothership Earth!" Hans Schlegel, ESA Astronaut.

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The Chemical Biology of Nitrogen book provides a chemocentric approach to both the inorganic and organic chemical biology of nitrogen. Following an introduction to nitrogen trivalency the book progresses through the logic of inorganic nitrogen metabolism and organic nitrogen metabolites to nitrogen proteomics.

Equips students with an up-to-date practical knowledge of

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popularized in SF subsequently influenced working scientists. Since gaining a BSc in physics from the University of Bristol and a PhD in theoretical physics from the University of Manchester, Stephen Webb has worked in a variety of universities in the UK. He is a regular contributor to the Yearbook of Astronomy series and has published an undergraduate textbook on distance determination in astronomy and cosmology as well as several popular science books.

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