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One-of-a-kind source for checklists of every single CCG printed in English, along with accurate prices for more than 75,000 cards. Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better. 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 use. [Analysis and Modelling of Non-Steady Flow in Pipe and Channel Networks](#) deals with flows in pipes and channel networks from the standpoints of hydraulics and modelling techniques and methods. These engineering problems occur in the course of the design and construction of hydroenergy plants, water-supply and other systems. In this book, the author presents his experience in solving these problems from the early 1970s to the present day. During this period new methods of solving hydraulic problems have evolved, due to the development of computers and numerical methods. This book is accompanied by a website which hosts the author's software package, Simpip (an abbreviation of simulation of pipe flow) for solving non-steady pipe flow using the finite element method. The program also covers

flows in channels. The book presents the numerical core of the SimpipCore program (written in Fortran). Key features: Presents the theory and practice of modelling different flows in hydraulic networks Takes a systematic approach and addresses the topic from the fundamentals Presents numerical solutions based on finite element analysis Accompanied by a website hosting supporting material including the SimpipCore project as a standalone program Analysis and Modelling of Non-Steady Flow in Pipe and Channel Networks is an ideal reference book for engineers, practitioners and graduate students across engineering disciplines. CAUTION Reading this book may cause your mind to be deliberately stretched well beyond its ability to shrink back to its original dimensions Carl Sagan, Steven Hawking, and others, are well known for their theory of why we do not see abundant intelligent extraterrestrial life all around us. The reason being, that once intelligent life discovers technology, that technology is used in a self-destructive orgy that brings about the extinction of all intelligent life within reach. So, when one looks out into the Cosmos to search for intelligent life, all life that once was there, no longer exists, save mankind. This theory, of course, has profound implications for us stranded here on spaceship Earth, especially as we watch in horror as our technology grinds out bigger and more powerful weapons of mass destruction every day. This book is a flight of fancy that supposes our Creators (with profound apologies to those who do not believe we have Creators) have undertaken a mission to save Humankind from blowing themselves to kingdom come just like all of the other "Intelligent" life has already done well before mankind began to build parking lots and Condos. Our Creators have names, and their names are Yahweh and Asherah. So come take an interstellar ride with Yahweh and Asherah as they struggle to help Humankind become an exception to the doomsday theories of Sagan and Hawking. When Charles Proteus Steinmetz (1865-1923) died suddenly at the height of his fame, his face was as familiar to Americans as that of Babe Ruth, Henry Ford, or Jack Dempsey. Newspapers quoted his views on religion, politics (he was a Socialist), science, and future technological wonders. All were intrigued by the Horatio Alger tale of the penniless, hunchbacked German immigrant who rose to fame as the Wizard of Science, chief engineer at General Electric, and symbol of the new breed of scientists who daily surpassed the feats of Thomas Alva Edison. This intellectual biography follows Steinmetz from his education in Germany to his rise as General Electric ' s chief consulting engineer. Steinmetz obtained nearly 200 patents; he made his most important contributions in electrical energy loss (or hysteresis), the understanding and wider use of alternating current, and high-voltage power transmission. General Electric became Steinmetz ' s home, his identity, and a platform from which he stepped onto the wider stage of world affairs. As leader of the American Institute of Electrical Engineers, Socialist councilman in Schenectady, New York, and part-time professor at Union College, Steinmetz attempted to " engineer " society in the direction of a technocratic utopia by promoting welfare capitalism, Lenin ' s electrification of the

Soviet Union, and other schemes — all with limited success. In a life filled with contrasts, perhaps even Steinmetz himself, a prominent Socialist serving as chief engineer of a major corporation, was not always able to separate the myth from the man. Steinmetz: Engineer and Socialist was the subject of the 2014 PBS documentary film, “ Divine Discontent. ” “ Well informed by recent studies of similar mythologizing, Kline explains both the rise and decline of Steinmetz ’ s popular reputation. ” — Robert Friedel, Science “ Kline ’ s explanations are lucid and he offers broader insights about science and technology that will interest all cultural historians. ” — Mark Pittenger, Journal of American History “ Steinmetz not only provides the first comprehensive, technically sophisticated analysis of Steinmetz ’ s engineering achievements, but also carefully examines his influential political and social writings, and judiciously dissects the making of the ‘ Wizard of Schenectady ’ legend. ” — David Sicilia, Reviews in American History

The Fairchild-Republic A-10A Close Support aircraft has become a legend over its long front line life. Known as the Warthog due to her unusual appearance, this little aircraft has built up an awesome reputation in the specialized ground-attack role, where her accuracy and deadliness are widely recognized as the best of their kind. Hard lessons from the Second World War, that were reinforced by the bitter experience of the Vietnam War two decades later, showed that it was both impracticable and highly non-cost efficient to use supersonic fighter jets in the close air support mission. A requirement was therefore drawn up for an aeroplane capable of carrying a heavy and varied load of ordnance, which had good endurance and unprecedented maneuverability, and which could survive heavy ground fire — thus the A-10 was born. But, by the time it came into service her role had changed to that of a tank-buster in the defense of Western Europe in the face of the overwhelming numbers of Soviet battle armor. With her straight wing, twin tails and turbine engines mounted high on her rear fuselage, this single-seat aircraft certainly presented a unique appearance. But all these features served a vital role, as Peter C. Smith explains in this highly detailed study. Although the Warthog's expected missions on the plains of Germany did not materialize, she did destroy hundreds of Soviet-built tanks during the Gulf wars. The A-10 has also flown almost continuous missions over the Balkans, against the Taliban in Afghanistan, and ISIS in Iraq and Syria. In this beautifully illustrated and comprehensive volume, Peter C Smith brings the A-10 ’ s incredible story right up to date. Popular Mechanics inspires, instructs and influences readers to help them master the modern world. Whether it ’ s practical DIY home-improvement tips, gadgets and digital technology, information on the newest cars or the latest breakthroughs in science -- PM is the ultimate guide to our high-tech lifestyle. Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better. 00 In five wide-ranging essays, A. David Napier explores the ways in which the

foreign becomes literally and metaphorically embodied as a part of cultural identity rather than being seen as something outside it. Pre-classical Greece, Baroque Italy, and Western postmodernism are among the artistic domains Napier considers, while the symbolic terrain ranges from Balinese cosmography to body symbolism in biomedicine. In five wide-ranging essays, A. David Napier explores the ways in which the foreign becomes literally and metaphorically embodied as a part of cultural identity rather than being seen as something outside it. Pre-classical Greece, Baroque Italy, and Western postmodernism are among the artistic domains Napier considers, while the symbolic terrain ranges from Balinese cosmography to body symbolism in biomedicine. Few new nations have endured a birth as traumatic as that endured by Asia's youngest country, East Timor. Born amid the flames, pillage and mayhem that surrounded Indonesia's reluctant withdrawal in 1999, it has been struggling for years to rebuild itself from the ashes. The author, one of a handful of journalists to refuse to be evacuated during the nightmarish Indonesian withdrawal, stayed on to report East Timor to the world, and to keep faith with the East Timorese whose story she wanted to tell. Her book is a vivid first-hand account of the lives of individual Timorese during the long decades of Indonesia's repressive occupation, their often heroic struggle for freedom, and their efforts to cope with the dramatic historic shifts engulfing them and their endeavours to rebuild their homeland. Based on years of research, and lengthy interviews with East Timor's leaders, priests, nuns, students and guerrilla fighters, this moving and extremely readable book is at the same time also an exploration of the complexities of the country's internal politics. This book examines the history of creative applications of photovoltaic (PV) solar power, including sound art, wearable technology, public art, industrial design, digital media, building integrated design, and many others. The growth in artists and designers incorporating solar power into their work reflects broader social, economic, and political events. As the cost of PV cells has come down, they have become more accessible and have found their way into a growing range of design applications and artistic practices. As climate change continues to transform our environment and becomes a greater public concern, the importance of integrating sustainable energy technologies into our culture grows as well. The book will be of interest to scholars working in art history, design history, design studies, environmental studies, environmental humanities, and sustainable energy design. Second in a brand new action adventure series starring 14-year-old Jack Courtney - a hero to rival Alex Rider - from worldwide bestselling author Wilbur Smith. Jack and his friends Amelia and Xander are in Zanzibar diving for lost treasure to support Jack's mother's coral protection project. Going further than usual on their last day, their dive boat is lured into a trap and captured by Somali pirates. Determined that his mother shouldn't pay a ransom for their release, Jack won't give up his attempts to escape. Transferred to a militia training camp for boy soldiers, the trio's only hope is the resourceful Somali boy Mo who befriends them. Can they outwit the ruthless General Sir

and his merciless troops in the second gripping adventure from the authors of Cloudburst? Praise for Cloudburst: Unputdownable conservation themed action and adventure.' - LoveReading4kids 'An exciting and realistic story, full of bandits, poachers and amazing wildlife... It keeps you turning the pages to the end.' - i Paper Popular

Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better. Empiricism today implies the dispassionate scrutiny of facts. But Jessica Riskin finds that in the French Enlightenment, empiricism was intimately bound up with sensibility. In what she calls a "sentimental empiricism," natural knowledge was taken to rest on a blend of experience and emotion. Riskin argues that sentimental empiricism brought together ideas and institutions, practices and politics. She shows, for instance, how the study of blindness, led by ideas about the mental and moral role of vision and by cataract surgeries, shaped the first school for the blind; how Benjamin Franklin's electrical physics, ascribing desires to nature, engaged French economic reformers; and how the question of the role of language in science and social life linked disputes over Antoine Lavoisier's new chemical names to the founding of France's modern system of civic education. Recasting the Age of Reason by stressing its conjunction with the Age of Sensibility, Riskin offers an entirely new perspective on the development of modern science and the history of the Enlightenment.

Known as the "Jug" because of its fuselage shape, the Republic P-47 Thunderbolt flew in every theatre of WWII except Alaska. Nearly 13,000 were built by war's end. The large aircraft carrier eight Browning machine guns and up to 2,000 lbs. of bombs or rockets, and proved an effective fighter and bomber. The radial Pratt and Whitney powerplant put out over 2500 h.p. and propelled the P-47 at a maximum speed of 426 mph at 30,000 feet. Originally published by the U.S. Army Air Force, this handbook taught pilots everything they needed to know before entering the cockpit. This affordable facsimile of a real WWII manual has been reformatted. Care has been taken to preserve the integrity of the text. This major reference book offers the professional engineer - and technician - a wealth of useful guidance on nearly every aspect of gas turbine design, installation, operation, maintenance and repair. The author is a noted industry expert, with experience in both civilian and military gas turbines, including close work as a technical consultant for GE and Rolls Royce.

- Guidance on installation, control, instrumentation/calibration, and maintenance, including lubrication, air seals, bearings, and filters
- Unique compendium of manufacturer ' s specifications and performance criteria, including GE, and Rolls-Royce engines
- Hard-to-find help on the economics and business-management aspect of turbine selection, life-cycle costs, and the future trends of gas turbine development and applications in aero, marine, power generation and beyond

Creating Sounds from Scratch is a practical, in-depth resource on the most common forms of music synthesis. It includes historical context, an overview of

concepts in sound and hearing, and practical training examples to help sound designers and electronic music producers effectively manipulate presets and create new sounds. The book covers all of the main synthesis techniques including analog subtractive, FM, additive, physical modeling, wavetable, sample-based, and granular. While the book is grounded in theory, it relies on practical examples and contemporary production techniques show the reader how to utilize electronic sound design to maximize and improve his or her work. *Creating Sounds from Scratch* is ideal for all who work in sound creation, composition, editing, and contemporary commercial production. *Popular Mechanics* inspires, instructs and influences readers to help them master the modern world. Whether it's practical DIY home-improvement tips, gadgets and digital technology, information on the newest cars or the latest breakthroughs in science -- *PM* is the ultimate guide to our high-tech lifestyle. *Popular Science* gives our readers the information and tools to improve their technology and their world. The core belief that *Popular Science* and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

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