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The Wiley-Blackwell Handbook of Addiction Psychopharmacology presents a comprehensive guide to contemporary research approaches to the study of drug addiction in adults. With a focus on empirically relevant research methods and nuanced methodologies, it provides practical tools to enable strong psychopharmacological practices. Contributions from experts in diverse domains offer reviews of the most current experimental methodologies, make recommendations for 'best-practices', and identify future directions for the field. Topics covered include core methods for assessing drug effects, distal and proximal determinants of drug use, and insights from cognitive neuroscience. Compiled by a team of widely-published researchers in substance addiction, the Wiley-Blackwell Handbook of Addiction Psychopharmacology is an authoritative, state-of-the-art collection of modern research approaches for the scientific study of drug addiction. Its multidisciplinary approach makes it a comprehensive and invaluable resource for all those in this field

This comprehensive book covers Over 40 of the most used supplement ingredients that create many well known diet supplements. Will Brink uses his 20+ years in

the supplement industry to break through the hype and mystery surrounding the base components of all supplements - their ingredients - and explains how they work using a combination of scientific and real world data. Will puts the power of knowledge into the readers hands by teaching them the how to judge if a supplement works based on its ingredients, using an easy to understand format for the beginner, but also adds additional scientific extrapolation for the more advanced and experienced.

Energy Efficiency: Concepts and Calculations is the first book of its kind to provide an applied, systems oriented description of energy intensity and efficiency in modern economies across the entire energy chain. With an emphasis on analysis, specifically energy flow analysis, lifecycle energy accounting, economic analysis, technology evaluation, and policies/strategies for adopting high energy efficiency standards, the book provides a comprehensive understanding of the concepts, tools and methodologies for studying and modeling macro-level energy flows through, and within, key economic sectors (electric power, industrial, commercial, residential and transportation). Providing a technical discussion of the application of common methodologies (e.g. cost-benefit analysis and lifecycle assessment), each chapter contains figures, charts and examples from each sector, including the policies that have been put in place to promote and incentivize the adoption of energy efficient technologies. Contains models and tools to analyze each stage at the macro-level by tracking energy consumption and how the

resulting data might change energy use Includes accessible references and a glossary of common terms at the end of each chapter Provides diagnostic figures, tables and schematics within the context of local, regional and national energy consumption and utilization Series CB & CC. 1.3L, 1.5L, 1.6L & 1.8L engines.

This volume, and its companion, Industrial Technology Development in Malaysia, examine and evaluate Malaysian industrialization in terms of its experience of and prospects for industrial technology development. The focus is on role played by state-sponsored innovation in the process economic development and in the context of national development strategies.

Technology, Competitiveness and the State, provides a valuable analysis of the technological development of a Newly Industrializing Country and reflects on whether existing development strategies can be maintained in the wake of the financial crises sweeping the East Asian economies.

Tesla is the most exciting car company in a generation . . . but can it live up to the hype? Tesla Motors and CEO Elon Musk have become household names, shaking up the staid auto industry by creating a set of innovative electric vehicles that have wowed the marketplace and defied conventional wisdom. The company's market valuation now rivals that of long-established automakers, and, to many industry observers, Tesla is defining the future of the industry. But behind the hype, Tesla has some serious deficiencies that raise questions about its sky-high valuation, and even its ultimate survival. Tesla's commitment to innovation has led it to reject the careful,

zero-defects approach of other car manufacturers, even as it struggles to mass-produce cars reliably, and with minimal defects. While most car manufacturers struggle with the razor-thin margins of mid-priced sedans, Tesla's strategy requires that the Model 3 finally bring it to profitability, even as the high-priced Roadster and Model S both lost money. And Tesla's approach of continually focusing on the future, even as commitments and deadlines are repeatedly missed, may ultimately test the patience of all but its most devoted fans. In *Ludicrous*, journalist and auto industry analyst Edward Niedermeyer lays bare the disconnect between the popular perception of Tesla and the day-to-day realities of the company—and the cars it produces. Blending original reporting and never-before-published insider accounts with savvy industry analysis, Niedermeyer tells the story of Tesla as it's never been told before—with clear eyes, objectivity and insight.

Carbon Capture and Storage, Second Edition, provides a thorough, non-specialist introduction to technologies aimed at reducing greenhouse gas emissions from burning fossil fuels during power generation and other energy-intensive industrial processes, such as steelmaking. Extensively revised and updated, this second edition provides detailed coverage of key carbon dioxide capture methods along with an examination of the most promising techniques for carbon storage. The book opens with an introductory section that provides background regarding the need to reduce greenhouse gas emissions, an overview of carbon capture and storage (CCS) technologies, and a primer in the

fundamentals of power generation. The next chapters focus on key carbon capture technologies, including absorption, adsorption, and membrane-based systems, addressing their applications in both the power and non-power sectors. New for the second edition, a dedicated section on geological storage of carbon dioxide follows, with chapters addressing the relevant features, events, and processes (FEP) associated with this scenario. Non-geological storage methods such as ocean storage and storage in terrestrial ecosystems are the subject of the final group of chapters. A chapter on carbon dioxide transportation is also included. This extensively revised and expanded second edition will be a valuable resource for power plant engineers, chemical engineers, geological engineers, environmental engineers, and industrial engineers seeking a concise, yet authoritative one-volume overview of this field. Researchers, consultants, and policy makers entering this discipline also will benefit from this reference. Provides all-inclusive and authoritative coverage of the major technologies under consideration for carbon capture and storage Presents information in an approachable format, for those with a scientific or engineering background, as well as non-specialists Includes a new Part III dedicated to geological storage of carbon dioxide, covering this topic in much more depth (9 chapters compared to 1 in the first edition) Features revisions and updates to all chapters Includes new sections or expanded content on: chemical looping/calcium looping; life-cycle GHG assessment of CCS technologies; non-power industries (e.g. including pulp/paper alongside ones already

covered); carbon negative technologies (e.g. BECCS); gas-fired power plants; biomass and waste co-firing; and hydrate-based capture

Downton Abbey has quickly become an international sensation. Viewers across the world have fallen in love with the characters. The Guinness Book of World Record has called it the most critically acclaimed show on TV.

This guide will help you refresh your memory about all the plots, sub-plots, and characters. The guide provides a recap of every episode (be warned of spoilers), descriptions of every major character, and a history of the shows production and origins. TVcaps is an imprint of BookCaps(tm) Study Guides. Each unofficial TV guide, recaps TV shows to help refresh your memory for what has previously happened. They feature character profiles, show history, and episode by episode recaps.

The Wiley-Blackwell Handbook of Disordered Gambling is a complete guide to the current empirical literature relating to the conceptualization, assessment, and treatment of disordered gambling. The international contributors are all experienced, practicing clinicians who discuss gambling within a global context. Best-practice guidelines for the clinical management of problem and disordered gambling Contains empirically derived findings that translate research into practical clinical applications that clinicians and counselors can use in understanding and treating problem gamblers Brings together a distinguished international group of scholars whose contributions discuss gambling as it occurs around the globe Clearly organized into sections that cover conceptualization, research, assessment, treatment, and special topics

This book presents the papers from the Internal Combustion

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Engines: Performance, fuel economy and emissions held in London, UK. This popular international conference from the Institution of Mechanical Engineers provides a forum for IC engine experts looking closely at developments for personal transport applications, though many of the drivers of change apply to light and heavy duty, on and off highway, transport and other sectors. These are exciting times to be working in the IC engine field. With the move towards downsizing, advances in FIE and alternative fuels, new engine architectures and the introduction of Euro 6 in 2014, there are plenty of challenges. The aim remains to reduce both CO₂ emissions and the dependence on oil-derivate fossil fuels whilst meeting the future, more stringent constraints on gaseous and particulate material emissions as set by EU, North American and Japanese regulations. How will technology developments enhance performance and shape the next generation of designs? The book introduces compression and internal combustion engines' applications, followed by chapters on the challenges faced by alternative fuels and fuel delivery. The remaining chapters explore current improvements in combustion, pollution prevention strategies and data comparisons. presents the latest requirements and challenges for personal transport applications gives an insight into the technical advances and research going on in the IC Engines field provides the latest developments in compression and spark ignition engines for light and heavy-duty applications, automotive and other markets

The photos in this edition are black and white. Mitsubishi's 4G63t engine is among the most powerful engines ever in the sport-compact world. It's not uncommon to find one of these four-cylinder, iron-block, aluminum-headed, 2-liter turbocharged monsters making more than 1,000 horsepower with the right modifications and tuning - well above the

200-300 hp produced in the factory-made engines. Bolted into such cars as the Mitsubishi Lancer Evolution, Eclipse, and Galant, and the Eagle Talon and Plymouth Laser, the 4G63t has more than a cult following among sport-compact enthusiasts, who know and respect this engine's immense performance potential at the track or on the street. Up until now, in-depth performance information on the 4G63t has been hard to find. For this book, author Robert Bowen went straight to the source, Robert Garcia of Road/Race Engineering in Santa Fe Springs, California. RRE is the most well-known and respected Mitsubishi turbo performance shop in the United States, and Garcia is its in-house engine builder. Mitsubishi enthusiasts will benefit from Garcia's expertise and be able to build better, stronger engines than ever before. "How to Build Max-Performance Mitsubishi 4G63t Engines" covers every system and component of the engine, including the turbocharger system and engine management. More than just a collection of tips and tricks, this book includes a complete history of the engine and its evolution, an identification guide, and advice for choosing engine components and other parts. Profiles of successful built-up engines show the reader examples of what works, and the book includes helpful guidance for choosing your own engine building path.

In Stuttgart-Zuffenhausen, August 1939, the 60K10 project, under the supervision of one Professor Ferdinand Porsche, builds a car in anticipation of a race, Berlin to Rome, that will never take place. With this model, the idea for a light and aerodynamic car, with a small engine but remarkable performance was born. Nine years later this idea bore fruit and the company released their first automobile, the 356, created by Ferdinand's son, Ferry Porsche, which would launch the company into automotive history. Porsche - Cars with Soul tells the story of Porsche, from the unique

perspective of the cars themselves, through the most significant events and races of the marque's celebrated history. It covers exhilarating accounts of races in which Porsche cars competed, from 1951 to 2015 and it tracks the development of Porsche models from the first model 356, to the defining model 911, and beyond. Beautifully illustrated with rarely seen full-colour and vintage photographs from the Porsche archives.

Although not quite the stout heavy-duty performer as its big brother, the Turbo 400, the Turbo 350 transmission is a fine, durable, capable, and when modified, stout performer in its own right. Millions of GM cars and trucks have been built with Turbo 350 automatic transmissions. There always comes a time when the old transmission shows signs of wear. At some point, even the best transmissions need to be rebuilt. In *GM Turbo 350 Transmissions: How to Rebuild & Modify*, respected automotive technical author Cliff Ruggles guides you through the complex rebuild procedure of GM's popular rear-wheel-drive automatic transmission. With his proven style, Ruggles goes through the step-by-step rebuild and performance upgrade procedures in a series of full-color photos. He includes instruction on removal and installation, tear-down procedures, parts inspection and replacement, as well as performance mods and shift kit installation. Time-saving tips are part of every buildup as well. Automatic transmissions are a mystery to most. Even if you end up deciding to have a professional take care of your transmission repair and performance needs, the information contained in this book is crucial to understanding how the power gets from the engine to the road. Add a copy of *GM Turbo 350: How to Rebuild & Modify* to your automotive library today.

Author Vizard covers blending the bowls, basic porting procedures, as well as pocket porting, porting the intake runners, and many advanced procedures. Advanced

procedures include unshrouding valves and developing the ideal port area and angle.

Marxist aesthetic thought has dominated Chinese literary life for half a century, but little is known about how this distinctive Western school of thought came to be accepted. Paul G. Pickowicz fills in the gap, tracing the evolution of Chinese Marxist literary thought by focusing on Ch'u Ch'iu-pai, China's most important Marxist literary intellectual of the twenties and thirties. Ch'u and his contemporaries interpreted the writing of Marx, Engels, Plekhanov, Lafargue, Trotsky, Lenin, and Lunacharsky in ways that would answer important questions about the relationship between art and society, the moral obligations of the writer, the manner in which revolutionaries should perceive the literary treasures of the past, the impact of capitalism on artistic culture, and the nature of art in the socialist society of the future. Paul G. Pickowicz finds that Chinese writers responded to Marxism in a variety of ways. Some stressed voluntaristic themes, some emphasized deterministic elements, others, like Ch'u, attempted to synthesize conflicting strains. Moreover, the transition to Marxism did not constitute a radical break from the liberal traditions associated with the May Fourth literary revolution. Instead, leftist writers interpreted Marxism in ways that were compatible with their deeply ingrained May Fourth intellectual predispositions. Ch'u was the first to make a Marxist critique of the May Fourth generation of literary intellectuals and to analyze the failings of the leftist literary movement itself. His writings are of contemporary relevance for the issues he raised, such as the failure of leftist writers to place the revolutionary literary movement on a mass base. Ch'u's writings influenced the literary thought of Mao Tse-tung, and the issues Ch'u raised continue to be debated with emotion in China today. This title is part of UC Press's Voices Revived program, which commemorates University of California

Press's mission to seek out and cultivate the brightest minds and give them voice, reach, and impact. Drawing on a backlist dating to 1893, *Voices Revived* makes high-quality, peer-reviewed scholarship accessible once again using print-on-demand technology. This title was originally published in 1981.

If you've ever been intrigued by the tarot but were confounded by the complexities of multi-card spreads and the vague interpretations given in most books, this is the guide for you. Here is a real breakthrough in interpreting the tarot! With *Tarot Made Easy* you can easily interpret the meaning of any card and apply it to the particular circumstances of your life. With the simple process outlined here, you need only choose one tarot card and then consult one (or several) of the 32 categories listed under each card -- including Romance, Travel, Career, Finances, Friends, and Special Guidance -- to discover the card's specific message for you. For example, if you want to know about your romantic future and the Queen of Cups turns up, you may find that the standard description given is "an honest, devoted woman; loving intelligence and happiness." How should you interpret this? But with *Tarot Made Easy*, the Queen of Cups Romance category tells you that "someone will enter your life in whom you will be very interested...and you will meet this person very close to your home, if not outside your front door." This easy but accurate system banishes the vague interpretations found in most books and gives you the immediate, specific insights you need.

Hydrogen Power: An Introduction to Hydrogen Energy and its Applications explains how hydrogen is produced, used, and handled and shows that the use of chemical hydrogen power has enormous advantages as an energy storage, transport, and use medium. Organized into

seven chapters, this book first describes the chemical and physical properties of hydrogen. Subsequent chapters elucidate the current industrial uses of hydrogen, methods of producing hydrogen, and hydrogen transportation and storage. Hydrogen safety and environmental considerations are also addressed. The fields covered by the hydrogen energy topic have grown rapidly, and now it has become clearly multidisciplinary. In addition to production, hydrogen purification and especially storage are key challenges that could limit the use of hydrogen fuel. In this book, the purification of hydrogen with membrane technology and its storage in "solid" form using new hydrides and carbon materials are addressed. Other novelties of this volume include the power conditioning of water electrolyzers, the integration in the electric grid of renewable hydrogen systems and the future role of microreactors and micro-process engineering in hydrogen technology as well as the potential of computational fluid dynamics to hydrogen equipment design and the assessment of safety issues. Finally, and being aware that transportation will likely constitute the first commercial application of hydrogen fuel, two chapters are devoted to the recent advances in hydrogen fuel cells and hydrogen-fueled internal combustion engines for transport vehicles. Hydrogen from water and biomass considered Holistic approach to the topic of renewable hydrogen production Power conditioning of water electrolyzers and integration of renewable hydrogen energy systems considered Subjects not included in previous books on hydrogen energy Micro process technology considered Subject not

included in previous books on hydrogen energy
Applications of CFD considered Subject not included in
previous books on hydrogen energy Fundamental
aspects will not be discussed in detail consciously as
they are suitably addressed in previous books Emphasis
on technological advancements Chapters written by
recognized experts Up-to date approach to the subjects
and relevant bibliographic references

Spanning three generations, *Capricornia* tells the story of
Australia's north. It is a story of whites and Aborigines
and Asians, of chance relationships that can form bonds
for life, of dispossession, murder and betrayal.

'*Capricornia* will always be one of the greatest of
Australian novels, a defining work in the search for what
it is, or was, to be Australian.' Australian Book Review
Spanning three generations, *Capricornia* tells the story of
Australia's north. It is a story of whites and Aborigines
and Asians, of chance relationships that can form bonds
for life, of dispossession, murder and betrayal. In 1904
the brothers Oscar and Mark Shillingsworth, clad in
serge suits and bowler hats, arrive in Port Zodiac on the
coast of Capricornia. they are clerks who have come
from the south to join the Capricornian Government
Service. Oscar prospers, and takes to his new life as a
gentleman. Mark, however, is restless, and takes up with
old Ned Krater, a trepang fisherman, who tells him tales
of the sea and the islands, introduces him to drink, and
boasts of his conquests of Aboriginal women - or 'Black
Velvet', as they are called. But it is Mark's son, Norman,
whose struggles to find a place in the world embody the
complexities of Capricornia itself. 'My Capricornia is a

hymn book written in adoration of Australia ... the Land of the Unshackled Southern Cross, the Australian earth itself, out of a passionate love of which alone can a true Australian Nation grow.' Xavier Herbert

The Sciences of the Soul is the first attempt to explain the development of the disciplinary conception of psychology from its appearance in the late sixteenth century to its redefinition at the end of the seventeenth and its emergence as an institutionalized field in the eighteenth. Fernando Vidal traces this development through university courses and textbooks, encyclopedias, and nonacademic books, as well as through various histories of psychology. Vidal reveals that psychology existed before the eighteenth century essentially as a "physics of the soul," and it belonged as much to natural philosophy as to Christian anthropology. It remained so until the eighteenth century, when the "science of the soul" became the "science of the mind." Vidal demonstrates that this Enlightenment refashioning took place within a Christian framework, and he explores how the preservation of the Christian idea of the soul was essential to the development of the science. Not only were most psychologists convinced that an empirical science of the soul was compatible with Christian faith; their perception that psychology preserved the soul also helped to elevate its rank as an empirical science. Broad-ranging and impeccably researched, this book will be of wide importance in the history and philosophy of psychology, the history of the human sciences more generally, and in the social and intellectual history of eighteenth-century Europe.

Richard Henry Savage (June 12, 1846 - October 11, 1903) was an American military officer and author who wrote more than 40 books of adventure and mystery, based loosely on his own experiences. Savage's eloquent, witty, dashing and daring life may have been the inspiration for the pulp novel character Doc Savage. In his youth in San Francisco, Savage studied engineering and law, and graduated from the United States Military Academy. After a few years of surveying work with the Army Corps of Engineers, Savage went to Rome as an envoy following which he sailed to Egypt to serve a stint with the Egyptian Army. Returning home, Savage was assigned to assess border disputes between the US. and Mexico, and he performed railroad survey work in Texas.

Automotive Scan Tool PID Diagnostics (Diagnostics Strategies of Modern Automotive Systems) By Mandy Concepcion In this section, the different techniques of scan tool parameter (PID) analysis will be exposed. Techniques involving PID analysis are quickly catching on, due to their speed and accuracy. By properly analyzing the different scanner PIDs, the technician can arrive at the source of the problem much faster and accurately. These procedures give rise to the new term "driver seat diagnostics", since most of the preliminary diagnostic work is done through the scanner. However, these techniques will in no way replace the final manual tests that are a part of every diagnostic path. They are simply geared to point the technician in the right direction. Table of Contents INTRODUCTION (Introduction to scan tool diagnostics and the relevance

of using PIDs or scanner parameter to perform the first leg of all diagnostics.) - Theory of Operation Behind the Different PIDs (Describes CARB, the difference between generic and enhanced PIDs, the FTP) - OBD II Generic PIDs (PID calculated and actual values, calculated data relationships, base injection timing, ECM value substitution) - OBD I & II General PID analysis (erasing code-or not, recording, analyzing and pinpoint tests, separating PIDs into groups) - Fuel Delivery Fault Detection (fuel delivery issues, intake air temp. sensor, BARO sensor, Engine LOAD, RPM PID, Short-Term Fuel Trims, Long-Term Fuel Trims, 60% of check engine light issues, block learn/integrators, Example 1: injector fault, Example 2: intake gasket issues, fuel status, ignition timing, MAP/MAF, TPS, O2 sensor, IAC, Closed Throttle, injector pulse width, voltage power, injector duty-cycle, fuel trim cell) - Test #1 (Determining an engine's fuel Consumption (rich-lean operation, duty-cycle to fuel trim relationship, O2 sensor to fuel trim relation, FT and vacuum leaks, ignition timing and idle control, test conclusion) - Test # 2 (Misfire Detection Strategy, EGR, Ignition and Mechanical misfires) (misfires and OBD2, scanner misfire detection – a time saver, OBD2 40 and 80 cycle misfire, ignition, injector and EGR density misfire, coil-on-plug, misfires and O2 sensor, lean O2 & Secondary misfire, O2 sensor & injector misfires, leaky injector, EGR and the MAP, Type A, B, C misfires, test conclusion) - Test # 3 (Air/Fuel Ratio Faults) (air-fuel imbalance, MAF and post O2 sensors, open-closed-loop, fuel enable, HC & CO relation to AF issues, test conclusion) - Test # 4 (BARO,

MAP & MAF PID analysis) (MAP & valve timing faults, ECM behavior, fuel delivery or duty cycle test, volumetric efficiency, , test conclusion) - Test # 5 (Clogged exhaust) (clogged catalytic converter detection, TPS, MAF and converters, idle and WOT or wide open throttle values, vacuum readings, MAP to WOT charts analysis, engine and MAP vacuum, test conclusion) - Test # 6 (EGR Fault Detection) (EGR and MAP values, ECM reaction to EGR issues, EGR temp sensor, DPFE sensor, EGR and O2-MAP and lift position sensor, EGR and engine pre-loading, EGR and the ECM erroneous high LOAD issues, test conclusion) - Test # 7 (O2 Sensor Heater) (O2 heaters and why?, tough to check O2 heater issues, O2 heater effect on signal output, O2 heater bias voltage, engine off and O2 changing value, test conclusion) - Test # 8 (Resetting Fuel Trims) (resetting injection pulse corrections, long-term and short-term fuel trims, learn condition, Lambda, case study on fuel trims, FT resetting according to manufacturer, test conclusion) - Test # 9 (Engine Cranking Vacuum Test) (MAP/MAF cranking vacuum, vacuum to PID analysis, vacuum leaks, gauge-PID test, sources of leaks, cranking values, test conclusion)

Design, Deployment and Operation of a Hydrogen Supply Chain introduces current energy system and the challenges that may hinder the large-scale adoption of hydrogen as an energy carrier. It covers the different aspects of a methodological framework for designing a HSC, including production, storage, transportation and infrastructure. Each technology's advantages and drawbacks are evaluated, including their technology

readiness level (TRL). The multiple applications of hydrogen for energy are presented, including use in fuel cells, combustion engines, as an alternative to natural gas and power to gas. Through analysis and forecasting, the authors explore deployment scenarios, considering the dynamic aspect of HSCs. In addition, the book proposes methods and tools that can be selected for a multi-criteria optimal design, including performance drivers and economic, environmental and societal metrics. Due to its systems-based approach, this book is ideal for engineering professionals, researchers and graduate students in the field of energy systems, energy supply and management, process systems and even policymakers. Explores the key drivers of hydrogen supply chain design and performance evaluation, including production and storage facilities, transportation, information, sourcing, pricing and sustainability Presents multi-criteria tools for the optimization of hydrogen supply chains and their integration in the overall energy system Examines the available technology, their strengths and weaknesses, and their technology readiness levels (TRL), to draw future perspectives of hydrogen markets and propose deployment scenarios Includes international case studies of hydrogen supply chains at various scales Mitsubishi Pajero 2000 to 2010, Petrol/Gasoline and Diesel engines including Common Rail and Turbo with World Wide Spec's. This manual has over 500 pages. It has step by step instructions in every chapter. Covering both model produced the Station Wagons and tray models.

Piping and valve engineers rely on common

industrial standards for selecting and maintaining valves, but these standards are not specific to the subsea oil and gas industry. *Subsea Valves and Actuators for the Oil and Gas Industry* delivers a needed reference to go beyond the standard to specify how to select, test, and maintain the right subsea oil and gas valve for the project. Each chapter focuses on a specific type of valve with a built-in structured table on valve selection, helping guide the engineer to the most efficient valve. Covering subsea-specific protection, the reference also gives information on high pressure protection systems (HIPPS) and discusses corrosion management within the subsea sector, such as Hydrogen Induced Stress Cracking Corrosion (HISC). Additional benefits include understanding the concept of different safety valves in subsea, selecting different valves and actuators located on subsea structures such as Christmas trees, manifolds, and HIPPS modules, with a full detail review including sensors, logic solver, and solenoid which is designed to save cost and improve the reliability in the subsea system. Rounding out with chapters on factory acceptance testing (FAT) and High Integrity Pressure Protection Systems (HIPPS), *Subsea Valves and Actuators for the Oil and Gas Industry* gives subsea engineers and managers a much-needed tool to better understand today's subsea technology. Understand practical information

about all types of subsea valves and actuators with over 600 visuals and several case studies Learn and review the applicable standards and specifications from API and ISO in one convenient location Protect your assets with a high-pressure protection system (HIPPS) and subsea-specific corrosion management including Hydrogen Induced Stress Cracking Corrosion (HISC)

H. H. Asquith fell in love with Venetia Stanley in the spring of 1912. Over the next three years he wrote to her whenever he could not see her: sometimes three times a day, sometimes during a debate in the house of Commons, on occasion even during a Cabinet meeting. He shared many political and military secrets with her and wrote freely of his colleagues in government, who included Lloyd George, Churchill, and Kitchener. The correspondence ended abruptly in May 1915 when Venetia told Asquith of her engagement to a junior Cabinet Minister, Edwin Montagu. The Prime Minister, who was at a crisis in his political fortunes, confessed himself utterly heart-broken. This reissue of Asquith's letters to Venetia Stanley includes explanatory notes from Michael and Eleanor Brock, two of the leading authorities in the field. This volume documents a romance, and yet is vital reading for anyone interested in the history of World War I or in British politics of the time.

"I left you something on the nightstand," she said.

"You did? What is it?" "Just turn over and look," she

pleaded. He turned over to look, hesitantly, not wanting to look away from her. She always seemed to disappear every time he looked away. A manila envelope lay atop the white rustic nightstand and the word "Ryan" that was penned across the front was beckoning him. He glared at the envelope for just a moment before turning back to her. But she was gone. As Ryan Boone struggles to come to grips with not being able to keep a promise he made to his dying wife, Larkin's Letters propels readers into the mind of Ryan as he struggles with frequent visits from her ghost and a series of letters she leaves behind. Ryan worked hard to become one of Hollywood's most sought-after actors, but no matter how busy or famous he became, he always remained loyal to his childhood best friend, Larkin James. When Larkin is diagnosed with leukemia, Ryan sacrifices his career to be by her side and in turn realizes how much he had always loved her. Throughout Larkin's sickness, Ryan promised that he wouldn't let her die alone. But we learn that not all of our promises are within our control.

The Wiley-Blackwell Handbook of Disordered Gambling
John Wiley & Sons

We've assembled seven of the greatest minds in modern JavaScript to teach you the most inspirational techniques you'll ever use. From creating impressive mashups and stunning, dynamic graphics, to more subtle user-experience

enhancements, you're about to be amazed by the true potential of this powerful language. With an all star line-up of authors including James Edwards, Michael Mahemoff, Ara Pehlivanian, Cameron Adams, Dan Webb, Christian Heilmann, and Simon Willison, this superb book will show you how to: Create a slick Google Maps and Flickr mashup. Build your own fully accessible 3D maze. Create stunning vector graphics using the canvas element. Have some fun with draggable and sortable table columns. Give your site some extra personality with client-side badges. Write better code faster using metaprogramming techniques. Become a debugging expert using pro-level Firebug tricks. Presented in full color, all of the books solutions are cross-browser and cross-platform compatible. Best of all, all the code used in the book is available for you to download and experiment with. Who Should Read This Book? This book is targeted at intermediate JavaScript developers who want to take their JavaScript skills to the next level without sacrificing web accessibility or best practice. If you have even a small amount of experience with JavaScript, and are comfortable enough programming in another language such as PHP or Java, you'll be just fine - we'll hold your hand along the way, and all of the code is available for you to download and experiment with on your own.

Health Sciences & Professions

Fundamentals of Gas Lift Engineering: Well Design and Troubleshooting discusses the important topic of oil and gas reservoirs as they continue to naturally deplete, decline, and mature, and how more oil and gas companies are trying to divert their investments in artificial lift methods to help prolong their assets. While not much physically has changed since the invention of the King Valve in the 1940s, new developments in analytical procedures, computational tools and software, and many related technologies have completely changed the way production engineers and well operators face the daily design and troubleshooting tasks and challenges of gas lift, which can now be carried out faster, and in a more accurate and productive way, assuming the person is properly trained. This book fulfills this training need with updates on the latest gas lift designs, troubleshooting techniques, and real-world field case studies that can be applied to all levels of situations, including offshore. Making operational and troubleshooting techniques central to the discussion, the book empowers the engineer, new and experienced, to analyze the challenge involved and make educated adjustments and conclusions in the most economical and practical way. Packed with information on computer utilization, inflow and outflow performance analysis, and worked calculation examples made for training, the book brings fresh air and innovation to a long-

standing essential component in a well's lifecycle.

Covers essential gas lift design, troubleshooting, and the latest developments in R&D Provides real-world field experience and techniques to solve both onshore and offshore challenges Offers past and present analytical and operational techniques available in an easy-to-read manner Features information on computer utilization, inflow and outflow performance analysis, and worked calculation training examples

Volcanos are one of the most destructive natural disasters known to man--but what makes them tick? In this book (just for kids), you will learn about how volcanoes start, different types, and where they are most active. This easy to understand book will help you understand volcanoes in no time at all. KidCaps is an imprint of BookCaps; each month we are adding more history books (just for kids!) to our library. Stop by our website to learn more.

Internet gambling has emerged as the most radical change to gambling in recent years. Interactive gambling opportunities using computers and wireless devices have transformed the ways in which players engage in gambling. The technological advances that have allowed gambling to expand across physical borders and beyond venues has had a profound impact on gambling policy, regulation, research, treatment and prevention strategies. This book provides a compilation of current research findings by prominent international researchers,

including the incidence of Internet gambling, how online gambling is used, sub-groups of online gamblers, and the difference between Internet and non-Internet gamblers in the general population and among treatment-seekers. This book is highly relevant for researchers, students, regulators, policy makers, gambling industry operators, treatment providers and community groups interested in research findings relevant to online gambling. It was originally published as a special issue of *International Gambling Studies*.

Governments have done much to leverage information technology to deploy e-government services, but much work remains before the vision of e-government can be fully realized. *Information Technology Research, Innovation, and E-government* examines the emerging visions for e-government, the technologies required to implement them, and approaches that can be taken to accelerate innovation and the transition of innovative information technologies from the laboratory to operational government systems. In many cases, government can follow the private sector in designing and implementing IT-based services. But there are a number of areas where government requirements differ from those in the commercial world, and in these areas government will need to act on its role as a demand leader. Although researchers and government agencies may appear to be unlikely allies in this endeavor, both groups have a shared interest in innovation and meeting future needs. E-government innovation will require addressing a broad array of issues, including organization and policy as well as

engineering practice and technology research and development, and each of these issues is considered in the book.

Direct injection enables precise control of the fuel/air mixture so that engines can be tuned for improved power and fuel economy, but ongoing research challenges remain in improving the technology for commercial applications. As fuel prices escalate DI engines are expected to gain in popularity for automotive applications. This important book, in two volumes, reviews the science and technology of different types of DI combustion engines and their fuels. Volume 1 deals with direct injection gasoline and CNG engines, including history and essential principles, approaches to improved fuel economy, design, optimisation, optical techniques and their applications. Reviews key technologies for enhancing direct injection (DI) gasoline engines Examines approaches to improved fuel economy and lower emissions Discusses DI compressed natural gas (CNG) engines and biofuels

The petroleum geologist and engineer must have a working knowledge of petrophysics in order to find oil reservoirs, devise the best plan for getting it out of the ground, then start drilling. This book offers the engineer and geologist a manual to accomplish these goals, providing much-needed calculations and formulas on fluid flow, rock properties, and many other topics that are encountered every day. New updated material covers topics that have emerged in the petrochemical industry since 1997. Contains information and calculations that the engineer or geologist must use in daily activities to

find oil and devise a plan to get it out of the ground Filled with problems and solutions, perfect for use in undergraduate, graduate, or professional courses Covers real-life problems and cases for the practicing engineer

As part of ESCAP's efforts to enhance industrial development, it implemented a project on the "promotion of intraregional trade .. in the automotive sector" in collaboration with the Korea Automobile Manufacturer's Association and funded by the Korean government. A regional consultative meeting was held in Seoul, 10-12 December 2001. This publication is a compilation of documents presented at the meeting, including a comprehensive study and survey result on the regional automotive industry.

'Adrian has a unique gift for understanding drivers and racing cars. He is ultra competitive but never forgets to have fun. An immensely likeable man.' Damon Hill

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