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Handbook of Materials Failure Analysis: With Case Studies from the Oil and Gas Industry provides an updated understanding on why materials fail in specific situations, a vital element in developing and engineering new alternatives. This handbook covers analysis of materials failure in the oil and gas industry, where a single failed pipe can result in devastating consequences for people, wildlife, the environment, and the economy of a region. The book combines introductory sections on failure analysis with numerous real world case studies of pipelines and other types of materials failure in the oil and gas industry, including joint failure, leakage in crude oil storage tanks, failure of glass fibre reinforced epoxy pipes, and failure of stainless steel components in offshore platforms, amongst others. Introduces readers to modern analytical techniques in materials failure analysis Combines foundational knowledge with current research on the latest developments and innovations in the field Includes numerous compelling case studies of materials failure in oil and gas pipelines and drilling platforms

Have you ever listened to a sermon at church and felt overwhelmed because you did not understand the biblical references? Do you feel embarrassed because your kids seem to know more about the Bible than you do? Do you struggle to understand what certain books of the Bible are all about? If you answered yes to any of these questions, then Bible Synopsis is for you! Bible Synopsis is a "Reader's Digest" version of the Bible. Each chapter of the Bible is condensed into a clear and concise summary-no "thee's and thou's"-giving you "bottom-line," who-did-what type information. The book follows the same order as the books of the Bible, and includes helpful indexes at the end as well as a summary of important Bible characters. It can be used as an aid in personal or group Bible studies, and a complete CD with richly illustrated PowerPoint slides is available from Dr. Miller's website, Biblesynopsis.com. Bible Synopsis is a must read for anyone desiring to increase their understanding of the Bible. The Word will never be more succinct!

These pairs of unlikely animal friends -- as seen in The Dodo's viral videos -- are sure to warm your heart!

Data compiled by the Center for Disease Control and Prevention indicates an alarming and continuing increase in the prevalence of autism. Despite intensive research during the last few decades, autism remains a behavioral defined syndrome wherein diagnostic criteria lack in construct validity. And, contrary to other conditions like diabetes and hypertension, there are no biomarkers for autism. However, new imaging methods are changing the way we think about autism, bringing us closer to a falsifiable definition for the condition, identifying affected individuals earlier in life, and recognizing different subtypes of autism. The imaging modalities discussed in this book emphasize the power of new technology to uncover important clues about the condition with the hope of developing effective interventions. Imaging the Brain in Autism was created to examine autism from a unique perspective that would emphasize results from different imaging technologies. These techniques show brain abnormalities in a significant percentage of patients, abnormalities that translate into aberrant functioning and significant clinical symptomatology. It is our hope that this newfound understanding will make the field work collaborative and provide a path that minimizes technical

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impediments.

Book Excerpt Review, as I have said, had taken a condescending notice of Bentham in 1804. Mill tried to introduce a better tone into an article upon Bexon's Code de la Législation pénale, which he was permitted to publish in the number for October 1809. Knowing Jeffrey's 'dislike of praise,' he tried to be on his guard, and to insinuate his master's doctrine without openly expressing his enthusiasm. Jeffrey, however, sadly mangled the review, struck out every mention but one of Bentham, and there substituted words of his own for Mill's. Even as it was, Brougham pronounced the praise of Bentham to be excessive.[7] Mill continued to write for a time, partly, no doubt, with a view to Jeffrey's cheques. Almost his last article (in January 1813) was devoted to the Lancasterian controversy, in which Mill, as we shall directly see, was in alliance with the Whigs. But the Edinburgh Reviewers were too distinctly of the Whig persuasion to be congenial company for a determined Radical. They would give hi

Biological Sciences

Celebrate SPAWN's 20th Anniversary with this special landmark release. Jim Downing has long been a man lost -- confused by his missing past, hounded at every turn and manipulated by forces beyond his control. No longer. With his past finally coming into focus and a full understanding of the man he once was just out of reach, Jim embraces the full might of his horrific hell-born powers to piece together a mystery that has ties to the very core of the SPAWN universe. Old enemies will return. New dangers will emerge. And events woven within the complex fabric of SPAWN's rich mythology will begin to coalesce. What happens from this point forward has been 20 YEARS IN THE MAKING!

Where the hit Netflix series began! Journey into The Deep with the daring aquanaut family, The Nektons, aboard their state-of-the-art (and oh, so shiny) submarine, The Aronnax. When an earthquake off the coast of Greenland leads to strange reports of monster sightings, William and Kaiko Nekton, along with their kids, Fontaine and Ant (and of course, Ant's pet fish, Jeffrey), dive into the mystery! Will they find what they're looking for? Will they teach a fish to fetch? Will they be accidentally eaten? Find out in the all-ages adventure from #1 New York Times bestselling author, Tom Taylor (Injustice: Gods Among Us, All-New Wolverine, Star Wars: Adventures) and James Brouwer (Justice League Beyond). One of the greatest American artists of the twentieth century, Charles White (1918-1979) --with amazing spirit, vision, and brilliance--devoted both his life and work to portraying the African American community. With pencil and brush, in black and white or in color, he captured not only the poverty, strife, and despair of the black people but their strength of community, the joy of enlightenment, and the tenderness of kinship as well, rejecting the usual stereotypes of black people as inferior. His canvases, woodcuts, monumental drawings, and murals convey his strong social consciousness and impart the inherent dignity of his subjects. Andrea Barnwell chronicles the highlights of White's career, discusses several of the artist's famous works, and introduces many works from private collections that never before have been examined. Although White's works are in the collections of major museums and libraries, including Hampton University

Museum, Hampton, Virginia; Whitney Museum of American Art, New York; Howard University Gallery of Art, Washington; the Art Institute of Chicago; and the Flint Institute of Art, his place in the annals of art history has never been fully realized.

"The pine and evening grosbeaks receive only passing mention, but the cardinal, gray, rose-breasted, black-headed, and blue grosbeaks are discussed in detail. The account of each species includes a description of the appearance of the bird, its distribution and habits, the details of its vegetable and animal food, mineral matter found in the stomachs, and the food of the nestlings and other young birds. Lists of the seeds, fruits, and invertebrates eaten by each species are given. One chapter discusses the relations of grosbeaks and other birds to parasitic insects. Some mention is made of the food of about 30 species of birds besides grosbeaks, these references occurring mainly in lists of bird enemies of rose chafers and potato beetles and in an account of birds that feed on mulberries."-Biological Survey - Bulletin, Issue 41 "The first on our list is by Mr. W. L. McAtee, an Assistant of the Biological Survey, and it is a model of what such work should be. The Author surveys the food eaten by five species of grosbeaks, representing the genera 'Cardinalis, ' 'Pyrrhuloxia, ' 'Zamelodia, ' and 'Guiraca, ' and giving for each species a most exhaustive account of the animal and vegetable constituents of the food, supplemented by illustrations of all the more important plants and insects and excellent figures of the birds themselves. "It would be impossible in the space of a short review to give an adequate account of the Author's conclusions, but suffice it to say that he has shown beyond cavil that these birds, which have been condemned now by the farmer and now by the fruit-grower-some species showing at certain times of the year a fondness for fruit and some for grain, -are, on the whole, unquestionably extremely valuable birds, devouring immense quantities of the seeds of certain noxious weeds. The five species studied consume nine times more weed-seed than grain and fruit, and nineteen times more injurious than useful insects."-'The Annals and Magazine of Natural His

Oscillators have traditionally been described in books for specialist needs and as such have suffered from being inaccessible to the practitioner. This book takes a practical approach and provides much-needed insights into the design of oscillators, the servicing of systems heavily dependent upon them and the tailoring of practical oscillators to specific demands. To this end maths and formulae are kept to a minimum and only used where appropriate to an understanding of the theory. Once grasped, the theory of the general oscillator is easily put into practical use in actual oscillators. The final two chapters present a collection of oscillators from which the practising engineer or the hobbyist can obtain useful guidance for many kinds of projects. Irving Gottlieb is a leading author of many books for practising engineers, technicians and students of electronic and electrical engineering. First Newnes title by this best-selling author Clarity and crispness in an often obscure field

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Put one of the most knowledgeable motorcycle tour guides in Alaska in your pocket with this witty, fun book that brings to life the best roads and off-beat destinations in the state. The content focuses on the Alaska dirt and paved highways, but also includes the Canadian highways of interest as well as the Alaska Highway from Dawson Creek, British Columbia to Delta Junction, Alaska.

An essential guide to ignition and timing, for classic car owners and restorers. Aimed at both keen amateurs and professionals alike, Ignition and Timing covers the history and evolution of the automotive ignition system, and how to fit, modify and maintain your system for optimum timing and maximum performance. Topics covered include understanding and fault-testing the coil ignition system; post-war distributors and aftermarket systems; how to fit electronic ignitions and modify the distributor, including twin-point distributors; rebuilding and maintenance; Lucas, Delco and Bosch systems; identification charts for your distributor and finally, how to achieve optimum timing and how to use a timing light. Fully illustrated with 90 colour images and 10 diagrams.

In an alternate Brooklyn, New York, Lorna flirts with the idea of love despite the fact that any boy a Devonairre Street girl falls in love with is destined to die.

Henry Lightcap, a man facing a terminal illness, sets out on a trip across America accompanied only by his dog, Solstice, and discovers the beauty and majesty of the Southwest

This practical and helpful volume details how clinicians can work through various common challenges in individual, couple, or group psychotherapy. Chapters draw upon clinical wisdom gleaned from the author's 48 years as a practicing psychiatrist to address topics such as using countertransference for therapeutic purposes; resistance, especially when it needs to be the focus of the therapy; and a prioritization of exploration over explanation. Along with theory and clinical observations, Dr. Gans offers a series of "Clinical Pearls," pithy comments that highlight different interventions to a wide range of clinical challenges. These include patient hostility, the abrupt and unilateral termination of therapy, the therapist's loss of compassionate neutrality when treating a couple, and many more. Many of the "Clinical Pearls" prioritize working in the here-and-now. In addition to offering advice and strategies for therapists, the book also addresses concerns like the matter of fees in private practice and the virtue of moral courage on the part of the therapist. Written with clarity, heart, and an abundance of clinical wisdom, Addressing Challenging Moments in Psychotherapy is essential reading for all clinicians, teachers, and supervisors of psychotherapy.

These fun faux matchsticks are printed with prompts and talking points that will get loved ones laughing, connecting, and playing together. A perfect way to liven up family gatherings and road trips, this colorful box of joy makes an extra-sweet gift for Mother's Day or Father's Day.

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Three sizzling-hot stories from New York Times and international bestselling author Elle Kennedy! Give a SEAL an inch, and he'll take your heart. Heat of the Moment For almost a year Shelby has lusted over swoon-worthy Garrett, but she can't figure out why he's not interested...until she overhears him saying she's too vanilla for his taste. When a heat wave sends the sexy Navy SEAL into her bakery, she finally has the opportunity to show him exactly what he's missing... Heat of Passion Holly has too much on her plate to think about a serious relationship. A hot fling with a SEAL, though, is the perfect way to take the edge off. The last thing she expects is to run into her gorgeous one-night stand weeks later, and to discover that Carson wants the one thing she doesn't: more. In the face of his methodical seduction, her resistance is crumbling... Heat of the Storm Will has waited fifteen years for the storm that sends Mackenzie into his arms. He's the one man not scared of her psychic gift, and their one night of passion is enough to convince this tenacious SEAL that they are much, much more than friends. Now he just has to convince her of that... Warning: Contains dangerously hot Navy SEALs, and heroines not afraid to take them on one—or two—at a time.

New Mechanisms in Glucose Control presents a clear overview of the new drugs and treatment therapies that have been developed in recent years to help improve glycaemic management for the diabetic patient, namely the incretin mimetics (GLP-1 agonists) and DPP-4 inhibitors. It also considers other drug classes currently in development and undergoing clinical trials including the SGLT2 inhibitors and other pipeline products. In addition to pharmaceutical agents, the role of bariatric as a management tool for diabetes is covered as well as consideration of the organisation of diabetes care with a community focus. This indispensable pocketbook details the newer treatments and offers a comparison with more traditional agents including sulphonylureas, glitazones and insulin. The pros and cons of traditional therapies are discussed as well as the epidemiology and pathogenesis of type 2 diabetes, helping to give the reader a better understanding of the disease area and its management. New Mechanisms in Glucose Control is essential reading for health professionals working in primary or secondary care and involved in treating diabetic patients.

The audio amplifier is at the heart of audio design. Its performance determines largely the performance of any audio system. John Linsley Hood is widely regarded as the finest audio designer around, and pioneered design in the post-valve era. His mastery of audio technology extends from valves to the latest techniques. This is John Linsley Hood's greatest work yet, describing the milestones that have marked the development of audio amplifiers since the earliest days to the latest systems. Including classic amps with valves at their heart and exciting new designs using the latest components, this book is the complete world guide to audio amp design. John Linsley Hood is responsible for numerous amplifier designs that have led the way to better sound, and has also kept up a commentary on developments in audio in magazines such as The Gramophone, Electronics in Action and Electronics and Wireless World. He is also the author of

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The Art of Linear Electronics and Audio Electronics published by Newnes. Complete world guide to audio amp design written by world famous author Covers classic amps to new designs using latest components Includes the best of valves as well as best of transistors

This book explores how since colonial times South Africa has created its own vernacular classicism, both in creative media and everyday life.

Great for kids, families, amateur naturalists and educators Waterproof and transportable for use in the field More than 400,000 Mac's Field Guides sold! Tape them onto the deck of your kayak! Slip them into your pack! Keep them handy for backyard use! No matter the weather or terrain, Mac's Field Guides are the perfect wildlife identification tool for the amateur naturalist, covering a wide variety of subjects and regions in North America. Created by Craig MacGowan, a teacher of marine science, these two-sided, laminated cards contain detailed, full-color drawings of flora and fauna as well as information on size and habitat or region.

"Solveig Hisdal is not only aware of the knowledge housed in Norway's museums, she has also learned how to use it. She has visited museums throughout the country, searching eagerly for the treasures that her ancestors left behind. She has found textiles, chests, cabinets and old folk costumes that have later become her greatest source of inspiration. This book is a result of her quest, and it shows how the creativity of the past has inspired her to make beautiful knitted designs. It contains wonderful knitting ideas for almost all occasions, from a child's christening outfit to an exquisite, knitted bridal cardigan with beads and silk. Whether you wish to be inspired by the beautiful pictures, or knit some of the outfits -- enjoy the book!"--P. [4] of cover.

World English is an exciting new four-skills general English series which uses National Geographic content, images and video to teach the language that learners need to succeed in their daily lives. The series is built upon clear and practical learning goals which are presented and practiced through appropriate themes and topics. A competency-based series, World English uses real people, real places and real language to connect learners of English to the world.

An excellent, comprehensive clinical reference thoughtfully revised to address new challenges facing emergency nurses, emergency medical technicians and paramedics. MANUAL OF EMERGENCY CARE details the basic principles of emergency care; includes up-to-the-minute advances in emergency care, medical, trauma, and special case emergencies; contains four entirely new chapters devoted to patient education, allergies, forensic nursing and legal issues; and offers thoroughly revised, more detailed chapters on sexual assault, wound care, and domestic violence. * Includes complete, up-to-date and practical information for clinical practitioners and nursing students. * Presents a team approach to problem solving, reflecting actual practices in emergency departments. * Covers assessment parameters, diagnostic tests, therapeutic interventions and other information pertinent to disorders and conditions NEW TO THIS EDITION: * Includes new chapter on forensic nursing thoroughly explaining the role of forensic nurses and the collection of forensic data. * Offers a new chapter on patient and family education, stressing the growing importance of providing supports to help patients and their families continue recovery once they leave emergency care. * Presents basic legal issues for emergency nurses in a new chapter addressing hot legal topics including legal

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consent, proper treatment of psychiatric patients, appropriate handling of forensic issues, and terms of the Emergency Medical Treatment and Active Labor Act (EMTALA). * Provides a new chapter on allergies with detailed descriptions of reactions and the associated signs and symptoms, interventions, diagnostic tests, latex allergies, and patient education and support. * Contains an updated, extensively detailed chapter on sexual assault listing proper procedures for collecting, securing and transferring evidence, following up, documenting the assault and testifying in court, all in a bulleted, easy-to-follow format. * Offers newly revised wound management chapter with more detailed definitions and descriptions of wounds and wound care. * Includes separate chapters on intravenous therapy and laboratory specimens. New chapter providing specialty information about forensic nursing (Chapter 40) thoroughly explains the role forensic nursing plays; situations calling for collection of forensic data; how to take forensic photography; how to collect, track, and document physical evidence appropriately; and treatment of and concerns surrounding special situations (e.g., gun shot wounds, stab wounds, suicides/accidents). A new chapter about patient and family education (Chapter 3) stresses the growing importance of providing the patient and family with the information they need as they continue through the healing process. This chapter helps emergency personnel identify learning needs, assess the learner, establish learning goals, select and use appropriate teaching methods, evaluate the effectiveness, and document. Examples of discharge instructions for common ailments (e.g., nosebleed, wound care/burn care, sore throat/cold) are also included. New chapter on basic legal issues for emergency nurses (Chapter 8) addresses yet another hot topic by describing terms for legal consent (e.g., patient age, patient competency, reportable conditions/situations), proper treatment of psychiatric patients, appropriate handling of forensic issues, and terms of the Emergency Medical Treatment and Active Labor Act (EMTALA). A new chapter about allergies (Chapter 20) clearly and completely gives information about allergic reactions by providing definitions, describing types of reactions and the associated signs and symptoms and therapeutic interventions, listing diagnostic tests for allergies, explaining latex allergy, and giving information about education and support. Radically revised chapter on sexual assault (Chapter 31) that gives more in depth details about sexual assauRevision of wound management chapter (Chapter 21) to include more complete definitions and descriptions of wounds and wound care. Individual chapters for intravenous therapy (Chapter 6) and laboratory specimens (Chapter 7) to provide more specific and complete coverage of these important topics.

When a bad day at work culminates in losing out on a promotion, Jim Sanders shifts into his animal form to let off steam. Then his bad day turns into a bad night-while prowling his Atlantic City neighborhood as a large gray house cat, he's caught in a torrential downpour. What little luck he has washes down the gutter when his new boss, Andrew Wright, catches him taking shelter on his porch, brings him inside, and starts calling him Mr. Frosty. As a feline, Jim becomes the inadvertent confessor for his boss's lonely son, Tony, a victim of schoolyard bullying. As a human, he feels drawn to Andrew, a man he wanted to resent. Finding love was never part of Jim's plan for the future-not with his bizarre secret-yet suddenly he finds himself navigating that minefield anyway. But not everything is easy, especially for an interracial gay couple dealing with prejudice in the workplace, at Tony's school, and even within their own families.

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This sequel to Carl Sagan's blockbuster continues the electrifying journey through space and time, connecting with worlds billions of miles away and envisioning a future of science tempered with wisdom. Based on National Geographic's internationally-renowned television series, this groundbreaking and visually stunning book explores how science and civilization grew up together. From the emergence of life at deep-sea vents to solar-powered starships sailing through the galaxy, from the Big Bang to the intricacies of intelligence in many life forms, acclaimed author Ann Druyan documents where humanity has been and where it is going, using her unique gift of bringing complex scientific concepts to life. With evocative photographs and vivid illustrations, she recounts momentous discoveries, from the Voyager missions in which she and her husband, Carl Sagan, participated to Cassini-Huygens's recent insights into Saturn's moons. This breathtaking sequel to Sagan's masterpiece explains how we humans can glean a new understanding of consciousness here on Earth and out in the cosmos--again reminding us that our planet is a pale blue dot in an immense universe of possibility.

This handbook serves as a guide to deploying battery energy storage technologies, specifically for distributed energy resources and flexibility resources. Battery energy storage technology is the most promising, rapidly developed technology as it provides higher efficiency and ease of control. With energy transition through decarbonization and decentralization, energy storage plays a significant role to enhance grid efficiency by alleviating volatility from demand and supply. Energy storage also contributes to the grid integration of renewable energy and promotion of microgrid.

When a calf is murdered, Hank, a wiley cowdog and head of ranch security, pursues a gang of wild dogs and a clan of coyotes to find the killer.

In December 2008, twentysomething Jill Grunenwald graduated with her master's degree in library science, ready to start living her dream of becoming a librarian. But the economy had a different idea. As the Great Recession reared its ugly head, jobs were scarce. After some searching, however, Jill was lucky enough to snag one of the few librarian gigs left in her home state of Ohio. The catch? The job was behind bars as the prison librarian at a men's minimum-security prison. Talk about baptism by fire. As an untested twentysomething woman, to say that the job was out of Jill's comfort zone was an understatement. She was forced to adapt on the spot, speedily learning to take the metal detectors, hulking security guards, and colorful inmates in stride. Over the course of a little less than two years, Jill came to see past the bleak surroundings and the orange jumpsuits and recognize the humanity of the men stuck behind bars. They were just like every other library patron—persons who simply wanted to read, to be educated and entertained through the written word. By helping these inmates, Jill simultaneously began to recognize the humanity in everyone and to discover inner strength that she never knew she had. At turns poignant and hilarious, *Reading behind Bars* is a perfect read for fans of *Orange is the New Black* and *Shakespeare Saved My Life*.

The only thing growing faster than the drone market is the amount of misinformation about them. Almost overnight popular drones like the instantly recognizable DJI Phantom have created a billion-dollar industry, with a foothold in everything from movie-making to the toy market. This book shows you everything there is to know about drones/multicopters/UAVs (including what really is the

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correct term for them) in plain, jargon-free English. Find out how they work, how to fly them, how to choose the right drone for you, how to take amazing photos and videos from above and more. The text is accompanied with clear illustrations and brand-new photography. Also included is a complete step-by-step project to build your own modestly-priced drone - great as a first step into the world of drones; fun for one, perfect as an educational project for parent and child. In addition there is a layman's guide to the crucial legal issues around drone flying, and there is an accompanying website with video clips and community links. This book is all you need to take to the skies!

Tony Buzan's techniques have been proven over many years and students will see immediate benefits across their memory, speed reading and general recall.

When the Mazda MX-5 was launched in 1989, sports car enthusiasts gave thanks. Safety regulations had virtually killed off the traditional roadster in the early 1970s, and if you wanted the wind in your hair the choice seemed limited to a four-seater convertible that looked like a baby's buggy. Hopes were pinned on the launch of a new MG - but the MX-5 got there first. The car is a star. Here is the full story, from genesis and model evolution to ownership, with all the possibilities that offers.

Boating LifeSouth Africa, Greece, RomeCambridge University Press

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