

The Piping Guide By David R Sherwood

The Canadian debut of the Booker Prize-shortlisted author of *Our Fathers*. In a small Scottish parish in a post-industrial town by the sea, an English priest with secrets in his own past becomes stalked by the fear of scandal, class hatred, and lost ideals. When Father David Anderton takes over a Scottish parish, not everyone is ready to accept him. Over the spring and summer of 2003, Father David befriends two young, troubled students, Mark and Lisa. Their natural energy and response to the world bring out his own feelings of protectiveness, as well as longings for parts of himself — and his past — that he has come to lose. This relationship and the way it develops leads to the book's climax, as Father David finds himself facing accusations of abuse. Told from the point of view of Father David, we feel, beneath his need for order and emotional distance, the passionate undercurrents that have brought him to where he is. In this riveting novel, where every word counts, Andrew O'Hagan's brilliant writing leads us into a story of art and politics, love and faith. *Be Near Me* possesses a depth of feeling and a literary artistry that render it O'Hagan's masterpiece.

The annual Burns dinner at Thornford Regis is an occasion for bagpipes, haggis and scotch. It ends up an occasion for tragedy when Will Moir, one of the pipers, is found alone, in a tower, dead of an apparent heart attack. Father Tom Christmas, the vicar of the town, is privy to all of the secrets of its inhabitants, and is one of the first to find out that Will Moir was poisoned. The town's suspicions go in many directions, and Christmas soon learns secrets that have been kept for generations--illicit trysts, even murders--the ramifications of which may have fallen onto poor Will Moir. Brimming with wit, laced with genuine surprise and featuring one of the most memorable (and unlikely) detectives in the cozy genre today, *Eleven Pipers Piping* mines the rich history of a small town to solve its most stunning crime.

This book provides a review of the principles and methods of drainage with an emphasis on design. The whole field of drainage is covered, and although the book concentrates mainly on the practice in North America, Europe and Britain, the practice in developing countries is also included. The book is directed primarily at the graduate engineer entering professional practice, but will also provide a useful reference for more senior engineers and for those in adjunct professions. Chapter 1 outlines the necessity for drainage on a large or small scale, for rural and urban areas. As the drainage engineer must decide how much unwanted water there will be and when it will occur, the chapter discusses climatic types, prediction of rainfall, evapotranspiration effects, return periods (of design storms and runoff events), river flow and flood prediction, and various sensing systems for providing short term predictions of rainfall, runoff, streamflow and flood warning. Chapter 2 gives a thorough review of the properties of soil in the context of drainage design. The extensive mathematical theories which relate to the crucial area of soil water movement are outlined and due attention is paid to the growing importance of predicting soil water movement in partially saturated soils.

A *New York Times* Most Anticipated Book of the Summer A taboo-busting romp through the shame, stink, and strange science of sweating. Sweating may be one of our weirdest biological functions, but it's also one of our most vital and least understood. In *The Joy of Sweat*, Sarah Everts delves into its role in the body—and in human history. Why is sweat salty? Why do we sweat when stressed? Why do some people produce colorful sweat? And should you worry about Big Brother tracking the hundreds of molecules that leak out in your sweat—not just the stinky ones or alleged pheromones—but the ones that reveal secrets about your health and vices? Everts's entertaining investigation takes readers around the world—from Moscow, where she participates in a dating event in which people sniff sweat in search of love, to New Jersey, where companies hire trained armpit sniffers to assess the efficacy of their anti-sweat products. In Finland, Everts explores the delights of the legendary smoke sauna and the purported health benefits of good sweat, while in the Netherlands she slips into the sauna theater scene, replete with costumes, special effects, and towel dancing. Along the way, Everts traces humanity's long quest to control sweat, culminating in the multibillion-dollar industry for deodorants and antiperspirants. And she shows that while sweating can be annoying, our sophisticated temperature control strategy is one of humanity's most powerful biological traits. Deeply researched and written with great zest, *The Joy of Sweat* is a fresh take on a gross but engrossing fact of human life.

All-the-answers guide to plastic piping Written by expert David Willoughby, a 20-year veteran in the field, *Plastic Piping Handbook* is a one-of-a-kind, comprehensive guide to the durable, economical piping solution used today in 90 percent of low-pressure liquid and natural gas installations. You get the facts you need on a full range of vital topics, from pipe selection to pipeline purging and drying, to leak detection. This incomparable resource features codes and specs for gas and water transmission, inspection and testing procedures, and provides you with plenty of charts, data sheets, and tables. You'll find at your fingertips hundreds of pages of clear, practical guidance to help you: * Design systems for municipal, industrial, commercial, residential, and field use * Follow step-by-step procedures for aboveground and buried pipe design * Choose and apply pipes, control valves, and regulators * Adhere to codes and standards * Install, inspect and test pipelines * More!

The agents at the IRS Regional Examination Center in Peoria, Illinois, appear ordinary enough to newly arrived trainee David Foster Wallace. But as he immerses himself in a routine so tedious and repetitive that new employees receive boredom-survival training, he learns of the extraordinary variety of personalities drawn to this strange calling. And he has arrived at a moment when forces within the IRS are plotting to eliminate even what little humanity and dignity the work still has. *The Pale King* remained unfinished at the time of David Foster Wallace's death, but it is a deeply compelling and satisfying novel, hilarious and fearless and as original as anything Wallace ever undertook. It grapples directly with ultimate questions--questions of life's meaning and of the value of work and society--through characters imagined with the interior force and generosity that were

Wallace's unique gifts. Along the way it suggests a new idea of heroism and commands infinite respect for one of the most daring writers of our time.

The Planning Guide to Piping Design, Second Edition, covers the entire process of managing and executing project piping designs, from conceptual to mechanical completion, also explaining what roles and responsibilities are required of the piping lead during the process. The book explains proven piping design methods in step-by-step processes that cover the increasing use of new technologies and software. Extended coverage is provided for the piping lead to manage piping design activities, which include supervising, planning, scheduling, evaluating manpower, monitoring progress and communicating the piping design. With newly revised chapters and the addition of a chapter on CAD software, the book provides the mentorship for piping leads, engineers and designers to grasp the requirements of piping supervision in the modern age. Provides essential standards, specifications and checklists and their importance in the initial set-up phase of piping project's execution Explains and provides real-world examples of key procedures that the piping lead can use to monitor progress Describes project deliverables for both small and complex size projects Offers newly revised chapters including a new chapter on CAD software

Perfect the art of piping—and discover techniques for turning a simple design into a stunning cake. Many people shy away from even trying their hand at piping. This chapter, taken from The Contemporary Cake Decorating Bible, will help demystify the art and inspire you to perfect the technique. The basics are not difficult to master—having the correct equipment and icing consistency is key, whether it's buttercream or royal icing. Then, all you need is practice to become familiar with the amounts of pressure required as you pipe. Lindy Smith shows you how to pipe swirls, peaks, daisies, and roses with buttercream, as well as dots, hearts, drop line work, and brushwork embroidery with royal icing.

Liquefied natural gas (LNG) is a commercially attractive phase of the commodity that facilitates the efficient handling and transportation of natural gas around the world. The LNG industry, using technologies proven over decades of development, continues to expand its markets, diversify its supply chains and increase its share of the global natural gas trade. The Handbook of Liquefied Natural Gas is a timely book as the industry is currently developing new large sources of supply and the technologies have evolved in recent years to enable offshore infrastructure to develop and handle resources in more remote and harsher environments. It is the only book of its kind, covering the many aspects of the LNG supply chain from liquefaction to regasification by addressing the LNG industries' fundamentals and markets, as well as detailed engineering and design principles. A unique, well-documented, and forward-thinking work, this reference book provides an ideal platform for scientists, engineers, and other professionals involved in the LNG industry to gain a better understanding of the key basic and advanced topics relevant to LNG projects in operation and/or in planning and development. Highlights the developments in the natural gas liquefaction industries and the challenges in meeting environmental regulations Provides guidelines in utilizing the full potential of LNG assets Offers advices on LNG plant design and operation based on proven practices and design experience Emphasizes technology selection and innovation with focus on a "fit-for-purpose design Updates code and regulation, safety, and security requirements for LNG applications

The purpose of the Beer/McMurrey book is to give engineering students and engineers a brief, easy to use guide to the essentials of engineering writing. Appropriate for use as a supplement to an existing course, or as a resource for an introduction to engineering course that includes writing as one of its components, the Beer/McMurrey book will give engineers the basics of writing reports, specifications, using electronic mail and computers without trying to be an exhaustive survey of all kinds of technical writing.

"Fundamentals might be the perfect book for the winter of this plague year. . . . Wilczek writes with breathtaking economy and clarity, and his pleasure in his subject is palpable." —The New York Times Book Review One of our great contemporary scientists reveals the ten profound insights that illuminate what everyone should know about the physical world In Fundamentals, Nobel laureate Frank Wilczek offers the reader a simple yet profound exploration of reality based on the deep revelations of modern science. With clarity and an infectious sense of joy, he guides us through the essential concepts that form our understanding of what the world is and how it works. Through these pages, we come to see our reality in a new way--bigger, fuller, and stranger than it looked before. Synthesizing basic questions, facts, and dazzling speculations, Wilczek investigates the ideas that form our understanding of the universe: time, space, matter, energy, complexity, and complementarity. He excavates the history of fundamental science, exploring what we know and how we know it, while journeying to the horizons of the scientific world to give us a glimpse of what we may soon discover. Brilliant, lucid, and accessible, this celebration of human ingenuity and imagination will expand your world and your mind.

For mechanical and chemical engineers working for engineering construction as well as process manufacturing companies with responsibility for plant layout, piping, and construction; and for engineering students. Based on the authors' collective 65 years of experience in the engineering construction industry, this profusely illustrated, comprehensive guidebook presents tried-and-true workable methods and rules of thumb for plant layout and piping design for the process industries. Content is organized and presented for quick-reference on- the-job or for systematic study of specific topics. KEY TOPICS: Presents general concepts and principles of plant layout -- from basic terminology and input requirements to deliverables; deals with specific pieces of equipment and their most efficient layout in the overall plant design configuration; addresses the plant layout requirements for the most common process unit equipment; and considers the computerized tools that are now available to help plant layout and piping designers.

By bringing together information regarding the design and drafting of piping systems, The Piping Guide will be an invaluable tool for designers and systems engineers concerned with piping technology. This book describes pipe, piping components, valves and equipment most commonly found in practice using charts, tables and examples for daily reference. Piping technology terms and abbreviations are listed which enhances the book's use as an instructional aid. As a design reference for companies and consultants this book can be used to supplement existing company standards and methods for the design and drafting of industrial piping systems.

Pipe designers and drafters provide thousands of piping drawings used in the layout of industrial and other facilities. The layouts must comply with safety codes, government standards, client specifications, budget, and start-up date. Pipe Drafting and Design, Second Edition provides step-by-step instructions to walk pipe designers and drafters and students in Engineering Design Graphics and Engineering Technology through the creation of piping arrangement and isometric drawings using symbols for fittings, flanges, valves, and mechanical equipment. The book is appropriate primarily for pipe design in the petrochemical industry. More than 350 illustrations and photographs provide examples and visual instructions. A unique feature is the systematic arrangement of drawings that begins with the layout of the structural foundations of a facility and continues through to the development of a 3-D model. Advanced chapters discuss the customization of AutoCAD, AutoLISP and details on the use of third-party software to create 3-D models from which elevation, section and isometric drawings are extracted including bills of material. Covers drafting and design fundamentals to detailed advice on the development of piping

drawings using manual and AutoCAD techniques 3-D model images provide an uncommon opportunity to visualize an entire piping facility Each chapter includes exercises and questions designed for review and practice

A new, expanded edition of the authoritative handbook now available from Industrial Press for the first time.

Fierce and proud, the Rigante dwell deep in the green mountain lands, worshiping the gods of air and water, and the spirits of the earth. Among them lives a warrior who bears the mark of fate. Born of the storm that slew his father, he is Connavar, and tales of his courage spread like wildfire. The Seidh--a magical race as old as time--take note of the young warrior and cast a malignant shadow across his life. For soon a merciless army will cross the water, destroying forever the timeless rhythms of life among the Rigante. Swearing to protect his people, Connavar embarks on a quest that will take him into the heart of the enemy. Along the way, he receives a gift: a sword as powerful and deadly as the Seidh who forged it. Thus he receives a name that will strike fear into the hearts of friend and foe alike--a name proclaiming a glorious and bitter destiny . . . Demonblade.

Geotechnical Engineering of Dams, 2nd edition provides a comprehensive text on the geotechnical and geological aspects of the investigations for and the design and construction of new dams and the review and assessment of existing dams. The main emphasis of this work is on embankment dams, but much of the text, particularly those parts related to g

Into Harm's Way! Lieutenant Daniel Leary of the Republic of Cinnabar Navy commands the corvette Princess Cecile; his friend Signals Officer Adele Mundy has the latest in spy apparatus and the skill to prowl the most tightly guarded database. All they lack are enemies, and fate is about to supply that need in abundance! A hostage uses the Princess Cecile to regain his freedom-and his throne! An ally intrigues with enemies of Cinnabar-knowing the plot can only be safeguarded by destroying the Princess Cecile! A pirate chief joins in a cutthroat battle with a rival-and the Princess Cecile is a pawn! Daniel, Adele, and their crack crew must battle bureaucrats and traitors, the winds of a barren desert and the strains of a voyage never before attempted. If they succeed at every stage, their reward will be the chance to fight another enemy: one which can blow them and a hundred ships like theirs to vapor! DEATH IS ALWAYS AN OPTION BUT DEFEAT CAN NEVER BE Action, color and heroics merge with the gritty realities of war and politics in a story that never slows down. Indeed, how could it slow down, with LT. LEARY, COMMANDING At the publisher's request, this title is sold without DRM (Digital Rights Management).

Instant answers to your toughest questions on piping components and systems! It's impossible to know all the answers when piping questions are on the table - the field is just too broad. That's why even the most experienced engineers turn to Piping Handbook, edited by Mohinder L. Nayyar, with contribution from top experts in the field. The Handbook's 43 chapters--14 of them new to this edition--and 9 new appendices provide, in one place, everything you need to work with any type of piping, in any type of piping system: design layout selection of materials fabrication and components operation installation maintenance This world-class reference is packed with a comprehensive array of analytical tools, and illustrated with fully-worked-out examples and case histories. Thoroughly updated, this seventh edition features revised and new information on design practices, materials, practical applications and industry codes and standards--plus every calculation you need to do the job.

From development of the initial requirements to final drawings used in construction, this authoritative reference for the design and drafting of industrial piping systems provides a step-by-step guide to piping design. Created as an in-depth resource for professionals, this piping bible is as valuable in the field as it is in the office or the classroom. Among the topics covered in this encyclopedic survey are techniques of piping design, the assembly of piping from components, processes for connecting piping to equipment, office organization, methods to translate concepts into finished designs, and terms and abbreviations concerned. An expansive selection of charts and tables presents a wide array of information--frequently used data; factors for establishing pipeways width; spacing between pipes with and without flanges and for "jumpovers" and "runarounds;" principal dimensions and weights for key components; conversion for customary and metric units; direct-reading metric conversion tables for dimensions and data; and a metric supplement with principal dimensional data in millimeters--handily organized for quick reference.

A breathtakingly beautiful gift picture book about togetherness, perfect for fans of The Fox and the Star. A flock of birds flew among the stars, twittering, chirruping, piping, hooting, all singing one wonderful song ...They sang to the Wonderbird, a million different voices all in harmony. But who IS the Wonderbird? wondered Piper. As the birds scatter to seek the mysterious Wonderbird, Piper travels to the edge of the Milky Way ... and, lost and alone, discovers the answer to his question. David Lucas's extraordinary book reminds us that there is nothing more powerful than togetherness. The sumptuous cover includes sparkling holographic foil detail.

This title made available for the first time an adequately organized, comprehensive analytical method for evaluating the stresses, reactions and deflections in an irregular piping system in space, unlimited as to the character, location or number of concentrated loadings or restraints. Profusely illustrated and meticulously detailed. ?This title made available for the first time an adequately organized, comprehensive analytical method for evaluating the stresses, reactions and deflections in an irregular piping system in space, unlimited as to the character, location or number of concentrated loadings or restraints. Profusely illustrated and meticulously detailed.

A collection of chilling and prescient stories about ecological apocalypse and the merging of human and machine. Welcome to Moderan, world of the future. Here perpetual war is waged by furious masters fighting from Strongholds well stocked with "arsenals of fear" and everyone is enamored with hate. The devastated earth is coated by vast sheets of gray plastic, while humans vie to replace more and more of their own "soft parts" with steel. What need is there for nature when trees and flowers can be pushed up through holes in the plastic? Who requires human companionship when new-metal mistresses are waiting? But even a Stronghold master can doubt the catechism of Moderan. Wanderers, poets, and his own children pay visits, proving that another world is possible. "As if Whitman and Nietzsche had collaborated," wrote Brian Aldiss of David R. Bunch's work. Originally published in science-fiction magazines in the 1960s and '70s, these mordant stories, though passionately sought by collectors, have been unavailable in a single volume for close to half a century. Like Anthony Burgess in A Clockwork Orange, Bunch coined a mind-bending new vocabulary. He sought not to divert readers from the horror of modernity but to make us face it squarely. This volume includes eleven previously uncollected Moderan stories.

Learn to pipe 100 different buttercream flowers to showcase on your cakes with this complete visual reference to piping flowers - each flower is demonstrated on a cupcake, with five full scale

projects to show you how to combine your flowers into a masterpiece cake. Described by Chef Duff Goldman of Ace of Cakes as "hugely aspirational yet completely approachable," the authors demonstrate how to build up each flower using simple piping techniques that even the novice cake decorator will be able to achieve! All the basics are covered to get you started - how to make stable buttercream icing, advice on coloring and flavor as well as essentials such as how to fill a piping bag and the basic techniques you need. Valerie & Christina then demonstrate in step-by-step photographic detail how to create each flower and how to use your new found skills to create stunning cake designs. The flowers are presented through the color spectrum so when you look through the book you'll see the lovely rainbow effect. Written by the world's leading lights in buttercream art with an international following and over 60,000 Facebook fans! This is a complete sourcebook of information on Horizontal Directional Drilling, the installation of pipelines and utilities beneath obstacles such as water and roadways. HDD is a fast-growing technology in the trenchless industry. Provides technical information on the design, permitting, construction, bid documents, specifications, and construction of HDD applications Numerous HDD calculations with examples

These charts provide a rapid and accurate method for determining flow rates and velocities in pipes at any depth of flow. 44 charts covering 11 common pipe diameters (100mm-600mm) and four roughness types from smooth ($K=0.06$) to rough ($K=6.0$) simplify the design of sewers and help the user to an understanding of the design process. A poignant, candid chronicle of a beloved nature writer's fifty-year relationship with an iconic American landscape. Those who have encountered Cape Cod—or merely dipped into an account of its rich history—know that it is a singular place. Robert Finch writes of its beaches: "No other place I know sears the heart with such a constant juxtaposition of pleasure and pain, of beauty being born and destroyed in the same moment." And nowhere within its borders is this truth more vivid and dramatic than along the forty miles of Atlantic coast—what Finch has always known as the Outer Beach. The essays here represent nearly fifty years and a cumulative thousand miles of walking along the storied edge of the Cape's legendary arm. Finch considers evidence of nature's fury: shipwrecks, beached whales, towering natural edifices, ferocious seaside blizzards. And he ponders everyday human interactions conducted in its environment with equal curiosity, wit, and insight: taking a weeks-old puppy for his first beach walk; engaging in a nocturnal dance with one of the Cape's fabled lighthouses; stumbling, unexpectedly, upon nude sunbathers; or even encountering out-of-towners hoping an Uber will fetch them from the other side of a remote dune field. Throughout these essays, Finch pays tribute to the Outer Beach's impressive literary legacy, meditates on its often-tragic history, and explores the strange, mutable nature of time near the ocean. But lurking behind every experience and observation—both pivotal and quotidian—is the essential question that the beach beckons every one of its pilgrims to confront: How do we accept our brief existence here, caught between overwhelming beauty and merciless indifference? Finch's affable voice, attentive eye, and stirring prose will be cherished by the Cape's staunch lifers and erstwhile visitors alike, and strike a resounding chord with anyone who has been left breathless by the majestic, unrelenting beauty of the shore.

The Murder on the Links is Agatha Christie's second Poirot novel, featuring the brilliant Belgian detective and his sidekick, Captain Hastings. In this characteristic whodunit, Poirot is summoned to a seaside town in northern France by a desperate letter from a rich businessman, who fears that he is being stalked. Poirot arrives to find the businessman already dead, his body lying facedown in an open grave on a golf course, a knife in his back—the victim of a mysterious murder. Over the coming days Poirot clashes wits with an arrogant Parisian detective, Giraud, while Hastings finds himself pining after a beautiful but shadowy American expatriate known to him only as "Cinderella." Together, Poirot and Hastings unravel the intricate web of mystery and deceit behind the murder. Christie based this mystery after a real-life French murder case, and it's believed that this is the first detective novel to use the phrase "the scene of the crime." This book is part of the Standard Ebooks project, which produces free public domain ebooks.

The Pneumatic Conveying Design Guide will be of use to both designers and users of pneumatic conveying systems. Each aspect of the subject is discussed from basic principles to support those new to, or learning about, this versatile technique. The Guide includes detailed data and information on the conveying characteristics of a number of materials embracing a wide range of properties. The data can be used to design pneumatic conveying systems for the particular materials, using logic diagrams for design procedures, and scaling parameters for the conveying line configuration. Where pneumatic conveyors already exist, the improvement of their performance is considered, based on strategies for optimizing and up-rating, and the extending of systems or adapting them for a change of material is also considered. All aspects of the pneumatic conveying system are considered, such as the type of material used, conveying distance, system constraints including feeding and discharging, health and safety requirements, and the need for continuous or batch conveying. * Highly practical, enabling suppliers and users to choose, design, and build suitable systems with a high degree of confidence * Health and safety requirements taken into consideration in the safe conveying methods described in this book * Practical application combined with background theory makes this an excellent resource for those learning about the topic

Encyclopedia of Caves, Third Edition, provides detailed background information to anyone with a serious interest in caves. This includes students, both undergraduate and graduate, in the earth, biological and environmental sciences, and consultants, environmental scientists, land managers and government agency staff whose work requires them to know something about caves and the biota that inhabit them. Caves touch on many scientific interests in geology, climate science, biology, hydrology, archaeology, and paleontology, as well as more popular interests in sport caving and cave exploration. Case studies and descriptions of specific caves selected for their special features and public interest are also included. This book will appeal to these audiences by providing in-depth essays written by expert authors chosen for their expertise in their assigned subject.

Features 14 new chapters and 13 completely rewritten chapters Contains beautifully illustrated content, with more than 500 color images of cave life and features Provides extensive bibliographies that allow readers to access their subject of interest in greater depth

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