

## *Frisk Fundamentals For Evaluators In Addressing Below Standard Employee Performance*

Integrating the four Tools of Cultural Proficiency with the PLC framework, this guide provides school leaders with practical strategies for building equity-focused PLCs to help all students achieve.

Leadership means having a backbone, and there's nothing better to illustrate its detailed framework than the actual vertebrae of the human spine. David P. Bugay, PhD also known as "Doc D," drives that simple concept home in this guidebook that will help leaders and everyday people make tough decisions. The author draws on many of his own experiences to share coaching suggestions—and his words are so clear and concise that you'll be able to engage in the behavior he suggests. Learn how to: · improve the way you show up to the world every day; · develop strength, power, integrity, and compassion; and · harness natural strengths in making decisions. Our workplace has radically changed in recent decades, and concerns about employee engagement, productivity, and well-being has placed a premium on selecting and developing leaders. Be the leader you've always wanted to be by learning the lessons in *Backbonology*.

The go-to legal resource for principals, fully updated! How often does a potential legal issue arise at your school? Now in an expanded third edition, this trusted resource provides clear and helpful guidance from a team of respected school-law experts. Substantive new information shows principals how to: Address student use and misuse of technology, on and off campus Avoid the pitfalls of zero-tolerance discipline policies Lead school safety and violence prevention, including collaboration with school resource officers and other personnel Prevent and respond to bullying incidents Stay current with special education requirements Ensure that employment and evaluation practices reflect the law

Comprehensive Materials Finishing

Over 200 U.S. Department of Energy Manuals Combined: CLASSICAL PHYSICS; ELECTRICAL SCIENCE; THERMODYNAMICS, HEAT TRANSFER AND FLUID FUNDAMENTALS; INSTRUMENTATION AND CONTROL; MATHEMATICS; CHEMISTRY; ENGINEERING SYMBIOLOGY; MATERIAL SCIENCE; MECHANICAL SCIENCE; AND NUCLEAR PHYSICS AND REACTOR THEORY

Rock Damage from Small Charge Blasting in Granite

A Police Bibliography

Published and Unpublished Sources Through 1976 : with an Addendum

Structure, Properties, Manufacture, Applications

This 3rd edition of the award winning Adaptive Schools Sourcebook provides both a theoretical and practical guide for groups and teams to develop and focus their collaborative energies to improve teaching practices and enhance student-learning outcomes. In five sections: Becoming Adaptive, Collaboration Matters, Meetings are Teachers ' Work, Resources for Inquiry, and Conflict, Change and Community, the authors draw on decades of personal experiences in schools and research from multiple disciplines to present powerful tools and useful templates for structuring the work of productive professional communities in schools. Readers will learn ways to develop and sustain the fundamental elements for enhancing social capital in schools: distinguishing between dialogue and discussion, establishing seven norms of collaboration, automating language patterns for inquiry and problem solving, facilitating groups and data teams, engaging

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in productive conflict, and building community. The book offers links to video clips demonstrating key skills, inventories for assessing groups, instruments for assessing personal skills, and a collection of over 150 meeting strategies and facilitator moves for engaging group members in productive interactions.

Basic research and new manufacturing methods have led to high nitrogen steels (HNS), a promising new group of materials for use in advanced applications in mechanical and chemical engineering. The book deals with the atomic structure, constitution, properties, manufacturing and application of martensitic, austenitic, duplex and dualphase steels of superior strength and corrosion resistance. Combining metallurgy and engineering aspects. It gives a detailed overview and presents new results on HNS. The book is intended for scientists as well as technologists, who will find stimulating information.

The book presents the fundamentals and the role of powder metallurgy in contemporary technologies and the state of the art of classical powder metallurgy technologies and a general description of new variants and special and hybrid technologies used in powder metallurgy. The next part includes over a dozen case studies provided in the following chapters, comprehensively describing authors' accomplishments of numerous teams from different countries across the world in advanced research areas relating to powder metallurgy and to special and hybrid technologies. The detailed information, largely deriving from own and original research and R

Volume 1

Balancing Crime Control with Community Relations

Effects on Crime and Communities

Backbonology

FRISK

From the Folks Who Brought You the Weekend

*Proactive policing, as a strategic approach used by police agencies to prevent crime, is a relatively new phenomenon in the United States. It developed from a crisis in confidence in policing that began to emerge in the 1960s because of social unrest, rising crime rates, and growing skepticism regarding the effectiveness of standard approaches to policing. In response, beginning in the 1980s and 1990s, innovative police practices and policies that took a more proactive approach began to develop. This report uses the term "proactive policing" to refer to all policing strategies that have as one of their goals the prevention or reduction of crime and disorder and that are not reactive in terms of focusing primarily on uncovering ongoing crime or on investigating or responding to crimes once they have occurred. Proactive policing is distinguished from the everyday decisions of police officers to be proactive in specific situations and instead refers to a strategic decision by police agencies to use proactive police responses in a programmatic way to reduce crime. Today, proactive policing strategies are used widely in the United States. They are not isolated programs used by a select group of agencies but rather a set of ideas that have spread across the landscape of policing. Proactive Policing reviews the evidence and discusses the data and methodological gaps on: (1) the effects of different forms of proactive policing on crime; (2) whether they are applied in a discriminatory manner; (3) whether they are being used in a legal fashion; and (4) community reaction. This report offers a comprehensive evaluation of proactive policing that includes not only its crime prevention impacts but also its broader implications for justice and U.S. communities.*

*Kletz's techniques for safety in the process industries are explained in his biography.*

*Written for engineers without a background in seismic design. Provides design standards and parameters, explaining how to interpret and apply them. Examines and recommends procedures to accommodate the enormous forces and variations*

*in effects common to major earthquakes. Covers practical aspects of soil behavior and structural and foundation design. Gives tips on special construction situations: foundations, dams and retaining walls, strengthening existing structures and construction over active faults.*

*Proactive Policing*

*A Sourcebook for Developing Collaborative Groups*

*Fundamentals of Public Communication Campaigns*

*Cumulative Book Index*

*Methods for Producing Alumina from Clay*

*Cumulated Index Medicus*

*Newly updated: "An enjoyable introduction to American working-class history." —The American Prospect Praised for its "impressive even-handedness", From the Folks Who Brought You the Weekend has set the standard for viewing American history through the prism of working people (Publishers Weekly, starred review). From indentured servants and slaves in seventeenth-century Chesapeake to high-tech workers in contemporary Silicon Valley, the book "[puts] a human face on the people, places, events, and social conditions that have shaped the evolution of organized labor", enlivened by illustrations from the celebrated comics journalist Joe Sacco (Library Journal). Now, the authors have added a wealth of fresh analysis of labor's role in American life, with new material on sex workers, disability issues, labor's relation to the global justice movement and the immigrants' rights movement, the 2005 split in the AFL-CIO and the movement civil wars that followed, and the crucial emergence of worker centers and their relationships to unions. With two entirely new chapters—one on global developments such as offshoring and a second on the 2016 election and unions' relationships to Trump—this is an "extraordinarily fine addition to U.S. history [that] could become an evergreen . . . comparable to Howard Zinn's award-winning A People's History of the United States" (Publishers Weekly). "A marvelously informed, carefully crafted, far-ranging history of working people." —Noam Chomsky*

*Recent advances in the power of inversion methods, the accuracy of acoustic field prediction codes, and the speed of digital computers have made the full field inversion of ocean and seismic parameters on a large scale a practical possibility. These methods exploit amplitude and phase information detected on hydrophone/geophone arrays, thereby extending traditional inversion schemes based on time of flight measurements. Full field inversion methods provide environmental information by minimising the mismatch between measured and predicted acoustic fields through a global search of possible environmental parameters. Full Field Inversion Methods in Ocean and Seismo-Acoustics is the formal record of a conference held in Italy in June 1994, sponsored by NATO SACLANT Undersea Research Centre. It includes papers by NATO specialists and others. Topics covered include: · speed and accuracy of acoustic field prediction codes · signal processing strategies · global inversion algorithms · search spaces of environmental parameters · environmental stochastic limitations · special purpose computer architectures · measurement geometries · source and receiving sensor technologies.*

*For all being interested in astronautics, this translation of Hermann Oberth's classic work is a truly historic event. Readers will be impressed with this extraordinary pioneer and his incredible achievement. In a relatively short work of 1923, Hermann Oberth laid down the mathematical laws governing rocketry and spaceflight, and he offered practical design considerations based on those laws.*

*World List of Books in English*

*Cumulative listing*

*The Principal's Quick-Reference Guide to School Law*

*The Rocket into Planetary Space*

*Current List of Medical Literature*

*High Nitrogen Steels*

**In January 2007, New York City Police Commissioner Raymond Kelly asked the RAND Corporation to assess whether his department was doing everything it**

could to minimize the unnecessary discharge of firearms. In particular, he asked RAND to examine the quality and completeness of the New York City Police Department firearm-training program and identify potential improvements in the design and delivery of the curriculum, the technology used, the frequency and duration of training sessions, the tactics and procedures on which the training is based, and the Department's firearm-discharge-review process. This monograph reports the observations, findings, and recommendations of that study.

Comprehensive Hard Materials deals with the production, uses and properties of the carbides, nitrides and borides of these metals and those of titanium, as well as tools of ceramics, the superhard boron nitrides and diamond and related compounds. Articles include the technologies of powder production (including their precursor materials), milling, granulation, cold and hot compaction, sintering, hot isostatic pressing, hot-pressing, injection moulding, as well as on the coating technologies for refractory metals, hard metals and hard materials. The characterization, testing, quality assurance and applications are also covered. Comprehensive Hard Materials provides meaningful insights on materials at the leading edge of technology. It aids continued research and development of these materials and as such it is a critical information resource to academics and industry professionals facing the technological challenges of the future. Hard materials operate at the leading edge of technology, and continued research and development of such materials is critical to meet the technological challenges of the future. Users of this work can improve their knowledge of basic principles and gain a better understanding of process/structure/property relationships. With the convergence of nanotechnology, coating techniques, and functionally graded materials to the cognitive science of cemented carbides, cermets, advanced ceramics, super-hard materials and composites, it is evident that the full potential of this class of materials is far from exhausted. This work unites these important areas of research and will provide useful insights to users through its extensive cross-referencing and thematic presentation. To link academic to industrial usage of hard materials and vice versa, this work deals with the production, uses and properties of the carbides, nitrides and borides of these metals and those of titanium, as well as tools of ceramics, the superhard boron nitrides and diamond and related compounds.

Every law enforcement patrol officer and investigator needs to understand both the tactical considerations of stopping and frisking a suspect, and the legal constraints that should govern that power. Recent years have shown clearly the damage that can be done when police lack an adequate understanding of the legal foundation for their activities. In this new edition of Stop and Frisk, Mitchell and Connor team up to provide active or aspiring police officers with the knowledge of applicable law as well as practical techniques they need to safely and legally carry out their crime suppression and

investigative duties. This updated edition includes clear summaries of major cases of the last decade and lessons learned when police and communities failed to fully understand the results of Terry v. Ohio. Ideal for in-service training at the post-academy level, this book also gives time-tested tools to police officers, supervisors, and legal advisors. Stop and Frisk can be used to teach undergraduate Criminal Justice majors as well as concerned citizens to prevent crime in their communities.

Stop and Frisk

The Bee Eater

The Adaptive School

Document Retrieval Index

Powder Metallurgy

Evaluation of the New York City Police Department Firearm Training and Firearm-discharge Review Process

The Handbook of Dynamic Data Driven Applications Systems establishes an authoritative reference of DDDAS, pioneered by Dr. Darema and the co-authors for researchers and practitioners developing DDDAS technologies. Beginning with general concepts and history of the paradigm, the text provides 32 chapters by leading experts in 10 application areas to enable an accurate understanding, analysis, and control of complex systems; be they natural, engineered, or societal: Earth and Space Data Assimilation Aircraft Systems Processing Structures Health Monitoring Biological Data Assessment Object and Activity Tracking Embedded Control and Coordination Energy-Aware Optimization Image and Video Computing Security and Policy Coding Systems Design The authors explain how DDDAS unifies the computational and instrumentation aspects of an application system, extends the notion of Smart Computing to span from the high-end to the real-time data acquisition and control, and manages Big Data exploitation with high-dimensional model coordination.

Police have been stopping, questioning, and frisking pedestrians for decades in an effort to protect themselves and the public from harm. However, pedestrians may view the stop and frisk experience as unjustified and perceive that they are subject to unfair and overly aggressive treatment. These feelings are most pronounced for those residing in high-crime areas that are targets for intensive stop and frisk activities. Because citizens' views of the police contribute to their willingness to cooperate with and empower law enforcement, minimizing the negative effects of stop and frisk is crucial for overall police effectiveness and is especially important for improving relations with communities of color. This publication discusses the constitutionality and legal precedents of stop and frisk and the theory and practice behind these street stops. This background is followed by a discussion of stop and frisk's unintended consequences and a series of practical recommendations for the lawful and respectful use of pedestrian stops in the context of community policing.

FRISK Facts Rules Impact Suggestions Knowledge : Fundamentals for

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Evaluators in Addressing Below-standard Employee Performance  
Backbonology Tough Decisions at Work  
Balboa Press  
Fundamentals, Practice and Economics  
Culturally Proficient Learning Communities  
Educational Administration: Theory, Research, and Practice  
Confronting Inequities Through Collaborative Curiosity  
Fundamentals of Earthquake-Resistant Construction  
Facts Rules Impact Suggestions Knowledge : Fundamentals for Evaluators in Addressing Below-standard Employee Performance

The history of the American Ranger is a long and colorful saga of courage, daring, and outstanding leadership. It is a story of men whose skills in the art of fighting have seldom been surpassed. The United States Army Rangers are an elite military formation that has existed, in some form or another, since the American Revolution. A group of highly-trained and well-organized soldiers, US Army Rangers must be prepared to handle any number of dangerous, life-threatening situations at a moment's notice-and they must do so calmly and decisively. This is their handbook. Packed with down-to-earth, practical information, The Ranger Handbook contains chapters on Ranger leadership, battle drills, survival, and first aid, as well as sections on military mountaineering, aviation, waterborne missions, demolition, reconnaissance and communications. If you want to be prepared for anything, this is the book for you. Readers interested in related titles from The U.S. Army will also want to see: Army Guerrilla Warfare Handbook (ISBN: 9781626542730) Army Guide to Boobytraps (ISBN: 9781626544703) Army Improvised Munitions Handbook (ISBN: 9781626542679) Army Leadership Field Manual FM 22-100 (ISBN: 9781626544291) Army M-1 Garand Technical Manual (ISBN: 9781626543300) Army Physical Readiness Training with Change FM 7-22 (ISBN: 9781626544017) Army Special Forces Guide to Unconventional Warfare (ISBN: 9781626542709) Army Survival Manual FM 21-76 (ISBN: 9781626544413) Army/Marine Corps Counterinsurgency Field Manual (ISBN: 9781626544246) Map Reading and Land Navigation FM 3-25.26 (ISBN: 9781626542983) Rigging Techniques, Procedures, and Applications FM 5-125 (ISBN: 9781626544338) Special Forces Sniper Training and Employment FM 3-05.222 (ISBN: 9781626544482) The Infantry Rifle Platoon and Squad FM 3-21.8 / 7-8 (ISBN: 9781626544277) Understanding Rigging (ISBN: 9781626544673)

The inside story of a maverick reformer with a take-no-prisoners management style Hailed by Oprah as a "warrior woman for our times," reviled by teachers unions as the enemy, Michelle Rhee, outgoing chancellor of Washington DC public schools, has become the controversial face of school reform. She has appeared on the cover of Time Magazine, and is currently featured as a hero in the documentary "Waiting for Superman." This is the story of her journey from good-girl daughter of Korean immigrants to tough-minded political game-changer. When Rhee first arrived in Washington, she found a school district that had been so broken for so long, that everyone had long since given up. The book provides an inside view of the union battles, the school closings, and contentious community politics that have been the subject of intense public interest and debate ? along with a rare look at Rhee's upbringing and life before DC. Rhee has been featured in the documentary "Waiting for Superman" Rhee's story points to a fresh way of addressing school improvement Addresses fundamental problems in our current education system, and the politics of leadership The book includes an insert with photos from Rhee's personal and professional life, and an "exit" interview that sheds light on what she's

learned and where the future might take her.

First multi-year cumulation covers six years: 1965-70.

Michelle Rhee Takes on the Nation's Worst School District

Comprehensive Hard Materials

From Classical Antiquity to the Early Modern Period

The December 9, 1970, Explosion in Port Hudson, Mo

Report of Investigations

Full Field Inversion Methods in Ocean and Seismo-Acoustics

*Includes section, "Recent book acquisitions" (varies: Recent United States publications) formerly published separately by the U.S. Army Medical Library.*

*Finish Manufacturing Processes are those final stage processing techniques which are deployed to bring a product to readiness for marketing and putting in service. Over recent decades a number of finish manufacturing processes have been newly developed by researchers and technologists. Many of these developments have been reported and illustrated in existing literature in a piecemeal manner or in relation only to specific applications. For the first time, Comprehensive Materials Finishing integrates a wide body of this knowledge and understanding into a single, comprehensive work. Containing a mixture of review articles, case studies and research findings resulting from R & D activities in industrial and academic domains, this reference work focuses on how some finish manufacturing processes are advantageous for a broad range of technologies. These include applicability, energy and technological costs as well as practicability of implementation. The work covers a wide range of materials such as ferrous, non-ferrous and polymeric materials. There are three main distinct types of finishing processes: Surface Treatment by which the properties of the material are modified without generally changing the physical dimensions of the surface; Finish Machining Processes by which a small layer of material is removed from the surface by various machining processes to render improved surface characteristics; and Surface Coating Processes by which the surface properties are improved by adding fine layer(s) of materials with superior surface characteristics. Each of these primary finishing processes is presented in its own volume for ease of use, making Comprehensive Materials Finishing an essential reference source for researchers and professionals at all career stages in academia and industry. Provides an interdisciplinary focus, allowing readers to become familiar with the broad range of uses for materials finishing Brings together all known research in materials finishing in a single reference for the first time Includes case studies that illustrate theory and show how it is applied in practice*

*For the 119 species of marine mammals, as well as for some other aquatic animals, sound is the primary means of learning about the environment and of communicating, navigating, and foraging. The possibility that human-generated noise could harm marine mammals or significantly interfere with their normal activities is an issue of increasing concern. Noise and its potential impacts have been regulated since the passage of the Marine Mammal Protection Act of 1972. Public awareness of the issue escalated in 1990s when researchers began using high-intensity sound to measure ocean climate changes. More recently, the stranding of beaked whales in proximity to Navy sonar use has again put the issue in the spotlight. Ocean Noise and Marine Mammals reviews sources of noise in the ocean environment, what is known of the responses of marine mammals to acoustic disturbance, and what models exist for describing ocean noise and marine mammal responses. Recommendations are made for future data gathering efforts, studies of marine mammal behavior and physiology, and modeling efforts necessary to determine what the long- and short-term impacts of ocean noise on marine mammals.*

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*A Life Preventing Them in Industry*  
*An Illustrated History of Labor in the United States*

*Legal Perspectives, Strategic Thinking, and Tactical Procedures*  
*By Accident*

*Critical Approaches to the History of Western Herbal Medicine*

Over 19,000 total pages ... Public Domain U.S. Government published manual: Numerous illustrations and matrices. Published in the 1990s and after 2000. TITLES and CONTENTS: ELECTRICAL SCIENCES - Contains the following manuals: Electrical Science, Vol 1 - Electrical Science, Vol 2 - Electrical Science, Vol 3 - Electrical Science, Vol 4 - Thermodynamics, Heat Transfer, And Fluid Flow, Vol 1 - Thermodynamics, Heat Transfer, And Fluid Flow, Vol 2 - Thermodynamics, Heat Transfer, And Fluid Flow, Vol 3 - Instrumentation And Control, Vol 1 - Instrumentation And Control, Vol 2 Mathematics, Vol 1 - Mathematics, Vol 2 - Chemistry, Vol 1 - Chemistry, Vol 2 - Engineering Symbology, Prints, And Drawings, Vol 1 - Engineering Symbology, Prints, And Drawings, Vol 2 - Material Science, Vol 1 - Material Science, Vol 2 - Mechanical Science, Vol 1 - Mechanical Science, Vol 2 - Nuclear Physics And Reactor Theory, Vol 1 - Nuclear Physics And Reactor Theory, Vol 2. CLASSICAL PHYSICS - The Classical Physics Fundamentals includes information on the units used to measure physical properties; vectors, and how they are used to show the net effect of various forces; Newton's Laws of motion, and how to use these laws in force and motion applications; and the concepts of energy, work, and power, and how to measure and calculate the energy involved in various applications. \* Scalar And Vector Quantities \* Vector Identification \* Vectors: Resultants And Components \* Graphic Method Of Vector Addition \* Component Addition Method \* Analytical Method Of Vector Addition \* Newton's Laws Of Motion \* Momentum Principles \* Force And Weight \* Free-Body Diagrams \* Force Equilibrium \* Types Of Force \* Energy And Work \* Law Of Conservation Of Energy \* Power – ELECTRICAL SCIENCE: The Electrical Science Fundamentals Handbook includes information on alternating current (AC) and direct current (DC) theory, circuits, motors, and generators; AC power and reactive components; batteries; AC and DC voltage regulators; transformers; and electrical test instruments and measuring devices. \* Atom And Its Forces \* Electrical Terminology \* Units Of Electrical Measurement \* Methods Of Producing Voltage (Electricity) \* Magnetism \* Magnetic Circuits \* Electrical Symbols \* DC Sources \* DC Circuit Terminology \* Basic DC Circuit Calculations \* Voltage Polarity And Current Direction \* Kirchhoff's Laws \* DC Circuit Analysis \* DC Circuit Faults \* Inductance \* Capacitance \* Battery Terminology \* Battery Theory \* Battery Operations \* Types Of Batteries \* Battery Hazards \* DC Equipment Terminology \* DC Equipment Construction \* DC Generator Theory \* DC Generator Construction \* DC Motor Theory \* Types Of DC Motors \* DC Motor Operation \* AC Generation \* AC Generation Analysis \* Inductance \* Capacitance \* Impedance \* Resonance \* Power Triangle \* Three-Phase Circuits \* AC Generator Components \* AC Generator Theory \* AC Generator Operation \* Voltage Regulators \* AC Motor Theory \* AC Motor Types \* Transformer Theory \* Transformer Types \* Meter Movements \* Voltmeters \* Ammeters \* Ohm Meters \* Wattmeters \* Other Electrical Measuring Devices \* Test Equipment \* System Components And Protection Devices \* Circuit Breakers \* Motor Controllers \* Wiring Schemes And Grounding THERMODYNAMICS, HEAT TRANSFER AND FLUID FUNDAMENTALS. The Thermodynamics, Heat Transfer, and Fluid Flow Fundamentals Handbook includes information on thermodynamics and the properties of fluids; the three modes of heat transfer - conduction, convection, and radiation; and fluid flow, and the energy relationships in fluid systems. \* Thermodynamic Properties \* Temperature And Pressure Measurements \* Energy, Work, And Heat \* Thermodynamic Systems And Processes \* Change Of Phase \* Property Diagrams And Steam Tables \* First Law Of Thermodynamics \* Second Law Of Thermodynamics \* Compression Processes \* Heat Transfer Terminology \* Conduction Heat Transfer \* Convection Heat Transfer \* Radiant Heat Transfer \* Heat Exchangers \* Boiling Heat Transfer \* Heat Generation \* Decay Heat \* Continuity Equation \* Laminar And Turbulent Flow \* Bernoulli's Equation \* Head Loss \* Natural Circulation \* Two-Phase

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Fluid Flow \* Centrifugal Pumps INSTRUMENTATION AND CONTROL. The Instrumentation and Control Fundamentals Handbook includes information on temperature, pressure, flow, and level detection systems; position indication systems; process control systems; and radiation detection principles. \* Resistance Temperature Detectors (Rtds) \* Thermocouples \* Functional Uses Of Temperature Detectors \* Temperature Detection Circuitry \* Pressure Detectors \* Pressure Detector Functional Uses \* Pressure Detection Circuitry \* Level Detectors \* Density Compensation \* Level Detection Circuitry \* Head Flow Meters \* Other Flow Meters \* Steam Flow Detection \* Flow Circuitry \* Synchro Equipment \* Switches \* Variable Output Devices \* Position Indication Circuitry \* Radiation Detection Terminology \* Radiation Types \* Gas-Filled Detector \* Detector Voltage \* Proportional Counter \* Proportional Counter Circuitry \* Ionization Chamber \* Compensated Ion Chamber \* Electroscope Ionization Chamber \* Geiger-Müller Detector \* Scintillation Counter \* Gamma Spectroscopy \* Miscellaneous Detectors \* Circuitry And Circuit Elements \* Source Range Nuclear Instrumentation \* Intermediate Range Nuclear Instrumentation \* Power Range Nuclear Instrumentation \* Principles Of Control Systems \* Control Loop Diagrams \* Two Position Control Systems \* Proportional Control Systems \* Reset (Integral) Control Systems \* Proportional Plus Reset Control Systems \* Proportional Plus Rate Control Systems \* Proportional-Integral-Derivative Control Systems \* Controllers \* Valve Actuators MATHEMATICS The Mathematics Fundamentals Handbook includes a review of introductory mathematics and the concepts and functional use of algebra, geometry, trigonometry, and calculus. Word problems, equations, calculations, and practical exercises that require the use of each of the mathematical concepts are also presented. \* Calculator Operations \* Four Basic Arithmetic Operations \* Averages \* Fractions \* Decimals \* Signed Numbers \* Significant Digits \* Percentages \* Exponents \* Scientific Notation \* Radicals \* Algebraic Laws \* Linear Equations \* Quadratic Equations \* Simultaneous Equations \* Word Problems \* Graphing \* Slopes \* Interpolation And Extrapolation \* Basic Concepts Of Geometry \* Shapes And Figures Of Plane Geometry \* Solid Geometric Figures \* Pythagorean Theorem \* Trigonometric Functions \* Radians \* Statistics \* Imaginary And Complex Numbers \* Matrices And Determinants \* Calculus CHEMISTRY The Chemistry Handbook includes information on the atomic structure of matter; chemical bonding; chemical equations; chemical interactions involved with corrosion processes; water chemistry control, including the principles of water treatment; the hazards of chemicals and gases, and basic gaseous diffusion processes. \* Characteristics Of Atoms \* The Periodic Table \* Chemical Bonding \* Chemical Equations \* Acids, Bases, Salts, And Ph \* Converters \* Corrosion Theory \* General Corrosion \* Crud And Galvanic Corrosion \* Specialized Corrosion \* Effects Of Radiation On Water Chemistry (Synthesis) \* Chemistry Parameters \* Purpose Of Water Treatment \* Water Treatment Processes \* Dissolved Gases, Suspended Solids, And Ph Control \* Water Purity \* Corrosives (Acids And Alkalies) \* Toxic Compound \* Compressed Gases \* Flammable And Combustible Liquids ENGINEERING SYMBOLOGY. The Engineering Symbolology, Prints, and Drawings Handbook includes information on engineering fluid drawings and prints; piping and instrument drawings; major symbols and conventions; electronic diagrams and schematics; logic circuits and diagrams; and fabrication, construction, and architectural drawings. \* Introduction To Print Reading \* Introduction To The Types Of Drawings, Views, And Perspectives \* Engineering Fluids Diagrams And Prints \* Reading Engineering P&IDs \* P&ID Print Reading Example \* Fluid Power P&IDs \* Electrical Diagrams And Schematics \* Electrical Wiring And Schematic Diagram Reading Examples \* Electronic Diagrams And Schematics \* Examples \* Engineering Logic Diagrams \* Truth Tables And Exercises \* Engineering Fabrication, Construction, And Architectural Drawings \* Engineering Fabrication, Construction, And Architectural Drawing, Examples MATERIAL SCIENCE. The Material Science Handbook includes information on the structure and properties of metals, stress mechanisms in metals, failure modes, and the characteristics of metals that are commonly used in DOE nuclear facilities. \* Bonding \* Common Lattice Types \* Grain Structure And Boundary \* Polymorphism \* Alloys \* Imperfections In Metals \* Stress \* Strain \* Young's Modulus \* Stress-Strain Relationship \* Physical Properties \* Working Of Metals \* Corrosion \* Hydrogen Embrittlement \* Tritium/Material Compatibility \* Thermal Stress \* Pressurized Thermal

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Shock \* Brittle Fracture Mechanism \* Minimum Pressurization-Temperature Curves \* Heatup And Cooldown Rate Limits \* Properties Considered \* When Selecting Materials \* Fuel Materials \* Cladding And Reflectors \* Control Materials \* Shielding Materials \* Nuclear Reactor Core Problems \* Plant Material Problems \* Atomic Displacement Due To Irradiation \* Thermal And Displacement Spikes \* Due To Irradiation \* Effect Due To Neutron Capture \* Radiation Effects In Organic Compounds \* Reactor Use Of Aluminum MECHANICAL SCIENCE. The Mechanical Science Handbook includes information on diesel engines, heat exchangers, pumps, valves, and miscellaneous mechanical components. \* Diesel Engines \* Fundamentals Of The Diesel Cycle \* Diesel Engine Speed, Fuel Controls, And Protection \* Types Of Heat Exchangers \* Heat Exchanger Applications \* Centrifugal Pumps \* Centrifugal Pump Operation \* Positive Displacement Pumps \* Valve Functions And Basic Parts \* Types Of Valves \* Valve Actuators \* Air Compressors \* Hydraulics \* Boilers \* Cooling Towers \* Demineralizers \* Pressurizers \* Steam Traps \* Filters And Strainers NUCLEAR PHYSICS AND REACTOR THEORY. The Nuclear Physics and Reactor Theory Handbook includes information on atomic and nuclear physics; neutron characteristics; reactor theory and nuclear parameters; and the theory of reactor operation. \* Atomic Nature Of Matter \* Chart Of The Nuclides \* Mass Defect And Binding Energy \* Modes Of Radioactive Decay \* Radioactivity \* Neutron Interactions \* Nuclear Fission \* Energy Release From Fission \* Interaction Of Radiation With Matter \* Neutron Sources \* Nuclear Cross Sections And Neutron Flux \* Reaction Rates \* Neutron Moderation \* Prompt And Delayed Neutrons \* Neutron Flux Spectrum \* Neutron Life Cycle \* Reactivity \* Reactivity Coefficients \* Neutron Poisons \* Xenon \* Samarium And Other Fission Product Poisons \* Control Rods \* Subcritical Multiplication \* Reactor Kinetics \* Reactor

Why has the history of Western herbal medicine received such little research coverage in any systematic and authoritative way, even though it has figured large in both lay and learned healthcare of the past? What methods and sources are most appropriate for the study of medicinal herbs and herbal practices of the past? This collection provides historians with a coherent guide to a variety of sources in relation to medicinal plants that they have thus far lacked. *Critical Approaches to the History of Western Herbal Medicine* encourages a serious re-assessment of research in the history of herbal medicine and provides examples of appropriate methodologies and critical examinations of relevant sources. In this innovative collection, historians and researchers from a range of disciplines come together to share material on the identification and use of medicinal plants, the activities of people involved with herbal medicine and the investigation of past herbal therapeutic beliefs and practice. Classical and medieval scholars, social and literary historians, archaeologists and ethnobotanists all contribute to this exploration of the history of Western herbal medicine.

The most comprehensive and up-to-date textbook on public communication campaigns currently available *Fundamentals of Public Communication Campaigns* provides students and practitioners with the theoretical and practical knowledge needed to create and implement effective messaging campaigns for an array of real-world scenarios. Assuming no prior expertise in the subject, this easily accessible textbook clearly describes more than 700 essential concepts of public communication campaigns. Numerous case studies illustrate real-world media campaigns, such as those promoting COVID-19 vaccinations and social distancing, campaigns raising awareness of LGBTQ+ issues, entertainment and Hollywood celebrity campaigns, and social activist initiatives including the #MeToo movement and Black Lives Matter (BLM). Opening with a thorough introduction to the fundamentals of public communication campaigns, the text examines a wide array of different health communication campaigns, social justice and social change campaigns, and counter-radicalization campaigns. Readers learn about the theoretical foundations of public communication campaigns, the roles of persuasion and provocation, how people's attitudes can be changed through fear appeals, the use of ethnographic research in designing campaigns, the ethical principles of public communication campaigns, the potential negative effects of public messaging, and much more. Describes each of the 10 steps of public communication campaigns, from defining the topic and setting objectives to developing optimal message content and updating the campaign with timely and relevant information Covers public

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communication campaigns from the United States as well as 25 other countries, including Australia, Brazil, Canada, China, Egypt, India, Israel, Singapore, South Korea, and the United Kingdom Offers a template for creating or adapting messages for advertising, public relations, health, safety, entertainment, social justice, animal rights, and many other scenarios Incorporates key theories such as the Diffusion of Innovations (DoI) theory, social judgment theory (SJT), the Health Belief Model (HBM), social cognitive theory (SCT), and self-determination theory (SDT) Includes in-depth case studies of communication campaigns of Islamophobia, antisemitism, white supremacy, and violent extremism. Fundamentals of Public Communication Campaigns is the perfect textbook for undergraduate students across the social sciences and the humanities, and a valuable resource for general readers with interest in the subject.

An Evaluation of a Sulfurous Acid-sulfuric Acid Process

Ocean Noise and Marine Mammals

Resources in Education

Ninth Edition

Current Catalog

Ranger Handbook (Large Format Edition)