

cmc rope rescue manual

CMC Rope Rescue Manual: A Comprehensive Guide to Safe and Effective Rope Rescue Techniques

cmc rope rescue manual serves as an essential resource for anyone involved in technical rescue operations, from firefighters and emergency responders to search and rescue teams. This manual is more than just a collection of instructions; it embodies years of expertise, practical knowledge, and industry best practices that ensure safety and efficiency during high-stakes rope rescue scenarios. Whether you are a seasoned professional or a newcomer eager to learn, understanding the principles and techniques outlined in the CMC rope rescue manual can significantly enhance your rescue capabilities.

Understanding the Importance of the CMC Rope Rescue Manual

Rope rescue is a specialized skill that demands precision, knowledge, and the right equipment. The CMC rope rescue manual is designed to address these needs by providing detailed guidance on everything from basic knot tying to complex high-angle rescue operations. Its comprehensive nature makes it a go-to reference for training and field operations alike.

This manual emphasizes safety protocols, risk assessment, and the proper use of rescue gear, which includes ropes, harnesses, carabiners, and pulleys. By following the guidelines in the manual, rescuers can reduce the chances of accidents and increase the likelihood of successful rescues.

Key Features of the CMC Rope Rescue Manual

The CMC rope rescue manual is structured to be user-friendly and accessible, covering a wide range of topics crucial to rope rescue:

- **Fundamentals of rope systems:** Understanding rope types, strengths, and limitations.
- **Knot tying and rigging:** Step-by-step instructions for essential knots and anchors.
- **Rescue techniques:** Methods for patient packaging, lowering, and raising.
- **Safety and hazard assessment:** Identifying potential risks in various rescue environments.
- **Equipment maintenance:** Best practices for inspecting and caring for ropes and hardware.

Each section is supported by clear illustrations and practical tips, making it easier to grasp complex concepts and apply them under pressure.

Essential Rope Rescue Techniques Explained

One of the standout aspects of the CMC rope rescue manual is how it breaks down intricate rescue techniques into understandable steps. Let's explore some of the fundamental methods that every rescuer should master.

Knot Tying and Anchor Systems

Knots are the backbone of any rope rescue operation. The manual highlights critical knots such as the figure-eight, bowline, and clove hitch, explaining when and how to use each effectively. Beyond just tying knots, the manual delves into constructing reliable anchor systems to safely distribute loads and ensure stability.

Understanding anchor systems is crucial because a poorly constructed anchor can lead to system failure. The manual encourages rescuers to assess the strength and reliability of anchor points, whether they are natural features like trees and rocks or man-made structures.

Raising and Lowering Systems

Raising and lowering a patient or equipment safely requires a combination of mechanical advantage systems and proper rigging. The CMC rope rescue manual explains how to set up pulley systems like the 3:1 or 5:1 mechanical advantage, helping rescuers reduce the force needed to lift loads.

Additionally, the manual covers the use of belay systems and controlled descent devices, ensuring smooth and controlled movement during rescues. These techniques are vital in scenarios such as cliff rescues, confined space extractions, or building evacuations.

Patient Packaging and Movement

Safely packaging and moving an injured person is a delicate task that demands both technical knowledge and compassion. The manual provides instructions on using stretchers, such as the Sked or Stokes basket, securing the patient, and managing spinal precautions.

It also discusses communication protocols and teamwork strategies to coordinate movements, minimizing further injury and stress for the patient.

Incorporating Safety and Risk Management

Safety is paramount in rope rescue, and the CMC rope rescue manual dedicates significant attention to risk management. It encourages a thorough scene assessment before deploying any rope systems.

Hazard Identification

Rescue teams are trained to identify hazards such as unstable terrain, electrical lines, environmental conditions, and equipment malfunctions. The manual provides checklists and guidelines to aid in recognizing these risks early.

Equipment Inspection and Maintenance

Proper care of rescue equipment extends its lifespan and ensures reliability during missions. The manual outlines daily inspection routines, signs of wear to watch for, and cleaning protocols. For example, ropes must be checked for cuts, abrasions, or chemical contamination before each use.

Team Coordination and Communication

Effective communication can make or break a rescue operation. The CMC rope rescue manual stresses the importance of clear commands, hand signals, and radio protocols to maintain situational awareness and coordinate actions seamlessly.

Training and Practical Application

While the manual is an excellent theoretical guide, real-world proficiency comes from hands-on training. Many rescue organizations use the CMC rope rescue manual as the foundation for their training curriculums, combining classroom learning with field exercises.

Simulated Rescue Scenarios

Training often involves practicing rescues in controlled environments like training towers, wilderness areas, or industrial sites. These drills allow rescuers to apply the manual's principles and develop muscle memory for critical tasks such as knot tying, rigging, and patient packaging.

Continuous Learning and Updates

Rescue techniques and equipment evolve over time, and the CMC rope rescue manual is periodically updated to reflect industry advancements. Staying current with these updates ensures rescuers are equipped with the latest knowledge and tools.

The Role of CMC in the Rescue Community

CMC Rescue is a leading manufacturer of high-quality rope rescue equipment and training materials. Their commitment to safety and innovation is evident in the thoroughness of the rope rescue manual. The manual not only supports technical proficiency but also fosters a culture of responsibility and professionalism within the rescue community.

By using CMC's manual, rescue teams worldwide benefit from standardized procedures that enhance interoperability and trust during multi-agency operations.

From a practical standpoint, many rescue professionals recommend pairing the manual with CMC's hands-on training courses and workshops. This blend of theory and practice empowers rescuers to respond confidently to emergencies.

Navigating the complexities of rope rescue requires more than just physical skill—it demands a deep understanding of systems, safety, and teamwork. The CMC rope rescue manual brings all these elements together in an accessible and practical format, making it an indispensable tool for anyone serious about mastering rope rescue techniques. Whether you're preparing for certification, refreshing your skills, or leading a rescue mission, this manual offers the knowledge and guidance to perform with competence and care.

Frequently Asked Questions

What is the CMC Rope Rescue Manual?

The CMC Rope Rescue Manual is a comprehensive guide published by CMC Rescue that covers techniques, equipment, and best practices for rope rescue operations.

Who should use the CMC Rope Rescue Manual?

The manual is designed for rescue professionals, including firefighters, search and rescue teams, and rope rescue technicians seeking detailed guidance on safe and effective rope rescue methods.

What topics are covered in the CMC Rope Rescue Manual?

The manual includes topics such as rope systems, knots, anchors, rigging, patient packaging, rappelling, hauling systems, and safety protocols.

Is the CMC Rope Rescue Manual updated regularly?

Yes, CMC Rescue periodically updates the manual to include the latest industry standards, innovations in equipment, and advanced rescue techniques.

Can the CMC Rope Rescue Manual be used for training purposes?

Absolutely, the manual serves as a valuable training resource for teaching rope rescue skills and

procedures in both classroom and field settings.

Where can I purchase the CMC Rope Rescue Manual?

The manual can be purchased directly from the CMC Rescue website, authorized distributors, or through specialized rescue equipment retailers.

Does the CMC Rope Rescue Manual include illustrations and diagrams?

Yes, the manual contains detailed illustrations, diagrams, and photos to help users better understand complex rope rescue techniques and equipment setups.

Additional Resources

CMC Rope Rescue Manual: A Comprehensive Review and Analysis

cmc rope rescue manual stands as a cornerstone resource for professionals and enthusiasts in the field of technical rescue operations. Known widely within fire service, industrial safety, and search and rescue communities, the manual offers detailed guidance on rigging, knot tying, equipment use, and safety protocols essential for effective rope rescue missions. This article delves into the critical aspects of the CMC Rope Rescue Manual, exploring its contents, practical applications, and how it compares to other rope rescue references available today.

Understanding the CMC Rope Rescue Manual

The CMC Rope Rescue Manual is published by CMC Rescue, a respected manufacturer of rescue equipment and training materials. Its reputation in the rescue industry is built on years of experience and innovation, making the manual a trusted source for both beginners and seasoned rescuers. The manual is designed to deliver comprehensive instruction on all facets of rope rescue, including high-angle rescue, confined space operations, and swiftwater scenarios.

One of the key strengths of the CMC Rope Rescue Manual is its balance between technical detail and practical usability. It avoids overly complex jargon without sacrificing the precision required for safety-critical operations. This makes it accessible for fire departments, rescue teams, and industrial safety personnel seeking to deepen their understanding of rope systems and rescue techniques.

Core Features and Content Overview

The manual's content is structured to provide a logical progression from foundational knowledge to advanced rescue scenarios. Some of the primary topics covered include:

- **Rope and Hardware Selection:** Detailed descriptions of rope types, strengths, and

applications, including dynamic versus static ropes.

- **Knot Tying and Rigging Techniques:** Step-by-step guides for essential knots such as figure-eight, bowline, and prusik, along with rigging systems like mechanical advantage setups.
- **Safety Protocols and Risk Assessment:** Emphasis on situational awareness, hazard identification, and systematic checks to prevent accidents during rescue operations.
- **Rescue System Design:** Guidance on constructing haul systems, anchors, and lowering devices tailored to specific rescue environments.
- **Practical Scenarios and Case Studies:** Real-world examples that illustrate problem-solving strategies and decision-making under pressure.

This structured approach not only educates readers on technical skills but also encourages critical thinking and adaptability—traits essential for successful rope rescues.

Comparative Analysis: CMC Rope Rescue Manual vs. Other Rope Rescue Guides

When compared to other popular rope rescue manuals, such as the NFPA 1670 Standard or the Petzl Rope Rescue Manual, the CMC Rope Rescue Manual holds its ground by offering a blend of manufacturer-specific equipment insights alongside general rescue principles. While NFPA standards focus heavily on compliance and minimum requirements, the CMC manual caters more directly to hands-on practitioners seeking practical guidance.

Petzl's manual, often praised for its clarity and illustrations, is a strong competitor, especially for technical climbers transitioning into rescue work. However, CMC's manual distinguishes itself by integrating comprehensive equipment handling advice, reflecting the company's deep expertise in rescue hardware. This aspect is particularly valuable for teams using CMC products, ensuring optimal compatibility between training and gear.

Suitability for Different User Groups

- **Firefighters and Rescue Teams:** The manual's clear protocols and system designs support rapid deployment and team coordination during emergencies.
- **Industrial Safety Professionals:** Detailed procedures for confined space and fall protection rescues align well with workplace safety requirements.
- **Outdoor and Wilderness Rescuers:** Emphasis on versatility and adaptability makes the manual relevant for mountainous or remote area rescues.
- **Training Instructors:** The manual's thorough explanations and diagrams provide a solid

foundation for developing training curricula.

Practical Applications and Training Integration

Beyond its role as a reference book, the CMC Rope Rescue Manual serves as a framework for structured training programs. Many rescue academies and fire departments incorporate it into their instructional materials to standardize techniques and ensure consistent knowledge transfer.

Its detailed illustrations and procedural checklists facilitate scenario-based training, where trainees can rehearse knot tying, system assembly, and victim packaging under controlled conditions. This hands-on approach helps internalize complex concepts and boosts confidence in high-stress rescue environments.

Additionally, the manual's focus on safety and risk management aligns well with modern rescue philosophies that prioritize rescuer well-being alongside victim extrication. This dual emphasis encourages teams to plan meticulously and execute with precision.

Strengths and Limitations

Strengths:

- Comprehensive coverage of rope rescue topics with practical guidance.
- Integration of equipment-specific advice tailored to CMC hardware.
- Clear illustrations and step-by-step instructions enhance usability.
- Applicable across multiple rescue disciplines—from technical rope rescue to industrial safety.
- Emphasis on safety protocols reduces operational risks.

Limitations:

- Some sections may assume prior knowledge, which could challenge absolute beginners.
- Primarily focused on CMC products, which might limit direct applicability for users of other brands.
- Printed editions may require updates to keep pace with evolving rescue standards and technologies.

Integrating the CMC Rope Rescue Manual into Modern Rescue Operations

In an era where rescue scenarios are increasingly complex, the need for authoritative and practical manuals is paramount. The CMC Rope Rescue Manual has demonstrated its relevance by continually adapting to new rescue methodologies and technological advancements.

Teams integrating this manual into their protocols often report improved efficiency and safety compliance. Its detailed approach to haul system design and anchor construction, for example, supports robust rescues in challenging environments such as cliffs, industrial sites, or confined spaces.

Moreover, digital versions of the manual and supplementary materials offered by CMC Rescue enhance accessibility, allowing responders to review critical information in the field or during ongoing training sessions.

Future Trends and Considerations

As rescue technology evolves, manuals like the CMC Rope Rescue Manual will likely incorporate emerging tools such as drone-assisted reconnaissance, advanced communication systems, and innovative rope materials. The integration of interactive digital content, video tutorials, and augmented reality training aids could also transform how rescuers engage with technical knowledge.

For organizations committed to maintaining cutting-edge rescue capabilities, staying current with updated editions of the CMC manual and related training resources will be essential.

The manual remains a vital asset in bridging the gap between theoretical knowledge and practical application, empowering rescuers to perform with confidence and competence in diverse operational contexts.

[Cmc Rope Rescue Manual](#)

cmc rope rescue manual: *ROPE RESCUE MANUAL, 5/E. , 2017*

cmc rope rescue manual: *Rope Rescue Technician Manual 6th Edition* James A. Frank, 2021-04-01 The CMC Rope Rescue Technician Manual is the standard text for many fire departments, rescue teams and training programs across the country. The sixth edition reflects the latest advances in technology, equipment and procedures available to rescue professionals. Its concise style clearly sequences and describes the elements of rope rescue in a way that is both detailed and easy to understand. Well-drawn diagrams depict each recommended stage of rope rescue operations. The result is a very useful tool for rescue professionals at every skill level. CMC has been an innovator in the emergency services industry for over 40 years. In 1978 Jim Frank endeavored to make rescue safer and more efficient by founding California Mountain Company (later CMC Rescue, now CMC), a company that sourced and supplied specialized life safety equipment to the rescue community. Today, CMC is a globally recognized, employee-owned company that proudly manufactures many products in our ISO-certified Santa Barbara facility, and provides specialized

education and training for rescue and rope access professionals. CMC recommends that all rope technicians seek qualified, hands-on instruction from a trusted source. The CMC School provides this type of training with a focus on learning-by-doing. Open enrollment and custom courses are available worldwide. For more information on CMC or the CMC School, visit cmcpro.com.

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cmc rope rescue manual: Technical Rescue - High Angle and Swift Water Rescue Ben A. Hirst, 2006-07 Exam Prep: Technical Rescue-High Angle is designed to thoroughly prepare you for a Technical Rescue certification, promotion, or training examination by including the same type of multiple-choice questions you are likely to encounter on the actual exam. To help improve examination scores, this preparation guide follows Performance Training Systems, Inc.'s Systematic Approach to Examination Preparation. Exam Prep: Technical Rescue-High Angle is written by fire personnel explicitly for fire personnel, and all content has been verified with the latest reference materials and by a technical review committee. Your exam performance will improve after using this system!

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cmc rope rescue manual: Confined Space Entry and Emergency Response D. Alan Veasey, Lisa Craft McCormick, Barbara M. Hilyer, Kenneth W. Oldfield, Sam Hansen, Theodore H. Krayner, 2005-12-02 EVERY SECOND COUNTS WHEN YOU'RE RESPONDING TO AN EMERGENCY INVOLVING CONFINED SPACE-HERE'S THE DEFINITIVE GUIDE TO PERFORMING FLAWLESS RESCUES! Confined Space Entry and Emergency Response utilizes a realistic, scenario-based approach to teach you-and your staff-the right way to respond to an incident involving a confined space. The authors provide intensive, step-by-step guidance through the challenging maze of training regulations, equipment needs, and procedures to keep your response team finely tuned and ready to go under any conditions. You'll find expert, detailed coverage of complex-and often confusing-topics such as: * The basic components of rescue * OSHA's regulations for confined space entry and rescue * Confined space entry permitting * Assessing confined space hazards * Hazardous atmospheres and how to protect entrants from them * Air monitoring in confined spaces * Selection and use of personal protective equipment * The use of ropes and rigging The CD-ROM includes the Instructor's Guide along with lesson plans and useful practice tools such as worksheets, exercise handouts, performance checklists, diagrams and equipment lists for field exercises, instructions for building field training simulators, and guidelines for identifying rescue trainers and evaluating their competency as well as that of outside rescue teams. Everything you need to effectively train those working in a confined space can truly be found within these pages and on the CD-ROM.

cmc rope rescue manual: Fundamentals of Search and Rescue Nasar, 2018-06-22

Fundamentals of Search and Rescue (FUNSAR), Second Edition is a comprehensive resource for new and experienced search and rescue (SAR) personnel. Providing an overview of all aspects of search and rescue procedures and equipment, FUNSAR teaches the essential techniques employed by nearly all successful search and rescue personnel. FUNSAR offers an in-depth and practical approach to search and rescue and is recommended for all emergency responders. The Second Edition has been fully updated to meet the needs of today's SAR personnel, highlighting the most current equipment and technology and focusing on proven and effective search and rescue techniques. All areas of search and rescue are covered, from choosing the best clothing and footwear for the environment, to packing light and improvising, to tracking and locating subjects. Ideal for both paid and volunteer professionals, this essential resource combines dynamic features with the latest and most comprehensive content. Dynamic Features • Search and Rescue Tips reinforce key information for conducting SAR operations • Safety Tips alert SAR personnel to both

expected and potentially unanticipated hazards• Listed resources provide suggestions for further study of each chapter's topics• Full-color photos and illustrations support and help clarify the textComprehensive Content• Guidelines to ensure SAR personnel are both physically and mentally prepared for search and rescue• Important legal and ethical considerations for search and rescue• A wide variety of SAR equipment, clothing, and technology, and when each should be used• Survival and improvisational methods in various environments• Tracking methods and navigation tools

cmc rope rescue manual: *Fundamentals of Search and Rescue* Donald C. Cooper, 2005 This book provides an overview of all aspects of search and rescue procedures and equipment, It teaches the absolutely essential techniques employed by nearly all search and rescue personnel. This book offers an in-depth and practical approach to search and rescue and is recommended for all emergency responders. For both paid and unpaid professionals, this resource combines dynamic features with the latest comprehensive content.

cmc rope rescue manual: *Self-Rescue* David Fasulo, 2011-06 The must-have handbook on rescue techniques for serious climbers Whether you need to assist your partner past a difficult section of a climb or rappel down a multipitch route with an injured climber, you owe it to yourself and your fellow climbers to be prepared. *How to Climb™: Self-Rescue* fully describes and illustrates a variety of techniques that every climber needs to know for safety and self-reliance. The first edition of this book was the authority on rescue techniques for rock climbers. Now completely updated and revised with the latest techniques—and accompanied by Mike Clelland's clear, detailed illustrations—David Fasulo's *How to Climb™: Self-Rescue* remains the definitive resource on the topic. Contents 1. Transition Model 2. Self-Rescue Concepts: Terrain, Technical Ledges, Baseline and Belay Escapes 3. Tools and Primary Systems for Self-Rescue 4. Knots and Hitches 5. Anchors and Belays 6. Patient Assessment 7. Terrain Assessment 8. Hands Free 9. Course of Action - Descend 10. Course of Action - Ascend 11. Course of Action - Stabilize/Shelter in Place 12. Top-Rope Rescue 13. Second Rescue 14. Leader Rescue 15. Search and Rescue 16. Analysis of Select Rescues and Accidents 17. Skills Assessment

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de seguridad alertan al personal de SAR sobre los riesgos esperados y los potenciales imprevistos• Los recursos listados proporcionan sugerencias para profundizar en el estudio de los temas de cada capítulo• Las fotografías e ilustraciones a todo color apoyan y ayudan a aclarar el textoONTENIDO INTEGRALFUNCONTENIDO INTEGRAL• Lineamientos para asegurar que el personal de búsqueda y rescate (SAR) esté preparado física y mentalmente para la búsqueda y rescate• Consideraciones legales y éticas importantes para la búsqueda y rescate• Una extensa variedad de equipo de SAR, ropa y tecnología y cuando debe usarse cada uno• Métodos de supervivencia e improvisación en diversos ambientes• Métodos de seguimiento y herramientas de navegaciónFundamentos de Búsqueda y Rescate (FUNSAR), Segunda edición constituye un recurso integral para el personal nuevo y experimentado de búsqueda y rescate (SAR, por sus siglas en inglés). Proporcionando una visión general de los aspectos y procedimientos de búsqueda y rescate, FUNSAR enseña las técnicas esenciales empleadas de manera satisfactoria por casi todo el personal de búsqueda y rescate. FUNSAR ofrece un enfoque profundo y práctico para la búsqueda y rescate y es recomendado para todos los respondientes de emergencia.La Segunda edición ha sido actualizada en su totalidad para satisfacer las necesidades actuales del personal de búsqueda y rescate, destacando el equipo y la tecnología más recientes y enfocándose en las técnicas de búsqueda y rescate probadas y eficaces. Cubre todas las áreas de búsqueda y rescate, desde elegir la mejor ropa y calzado considerando el medio ambiente, hasta empacar ligero e improvisar, el seguimiento y la localización de sujetos. Ideal para profesionales remunerados y para voluntarios, este recurso esencial combina las características dinámicas con el contenido más reciente y completo.

cmc rope rescue manual: *Whitewater Rescue Manual: New Techniques for Canoeists, Kayakers, and Rafters* Charles Walbridge, Wayne A. Sundmacher, 1995-07-22 Whitewater Rescue Manual is for all whitewater padlers, beginner to expert. This book presents the best techniques for self-rescue and rescue of companions on the river.

cmc rope rescue manual: Climbing Self Rescue Molly Loomis, Andy Tyson, 2006-05-30 [CLICK HERE](#) to download a portion of the chapter on Scenarios & Solutions from Climbing Self-Rescue featuring 5 different scenarios (Provide us with a little information and we'll send your download directly to your inbox) * Climbing self-rescue procedures for teams of two -- the most common climbing party size * Techniques equally effective on rock, snow, and ice * Utilizes gear climbers already carry in their rack * Includes 40 one-page rescue scenarios and solutions for climbing accident analysis The rope is stuck, or too short. A crucial piece of gear is MIA. You've wandered off route into dicey terrain. An injury leaves you or your partner in need of help. Climb long enough and finding yourself in a jam far from help is inevitable. In Climbing: Self Rescue, two long-time climbing instructors and guides teach how to improvise your own solutions, calling for outside help only when necessary. Because few climbers carry fancy (and expensive) search and rescue gear, all skills taught in this book use the items typically found on a climbing rack: rope, carabiners, slings, and cord. Text, illustrations, and photos explain knots, belaying and hauling systems, rappelling, ascension, passing knots, how to safely assist and rig an injured climber, and more. Roughly half of the book is devoted to real-life climbing scenarios and solutions ranging from moderate to severe. Because real-life situations rarely unfold as they do in practice, Climbing Self-Rescue teaches how to analyze and improvise your way out of a crisis.

cmc rope rescue manual: The Proceedings of 11th Asia-Oceania Symposium on Fire Science and Technology Guan-Yuan Wu, Kuang-Chung Tsai, W. K. Chow, 2019-09-12 This book features selected papers from the 11th Asia-Oceania Symposium on Fire Science and Technology (AOSFST 2018), held in Taipei, Taiwan. Covering the entire spectrum of fire safety science, it focuses on research on fires, explosions, combustion science, heat transfer, fluid dynamics, risk analysis and structural engineering, as well as other topics. Presenting advanced scientific insights, the book introduces and advances new ideas in all areas of fire safety science. As such it is a valuable resource for academic researchers, fire safety engineers, and regulators of fire, construction and safety authorities. Further it provides new ideas for more efficient fire protection.

cmc rope rescue manual: Tech Rescue Volume III Steve Crandall, 2025-07-05 The TECH

RESCUE Series are state-of-the-art rigging and rescue manuals that contain clearly written, detailed technical information and instructions for every technical rescuer. Richly illustrated containing hundreds of detailed pictures, diagrams, and graphics of modern rope-based rescue systems and rigging, these manuals outline the fundamental and advanced principles, concepts, and methods of current rope-based and confined space rescue techniques and best practices. Volume III: Confined Space Awareness, Operations & Technician covers the skills and Job Performance Requirements (JPRs) as outlined in NFPA 1006, Standard for Technical Rescue Personnel Professional Qualifications, 2021 edition, Chapter 7 for the Awareness, Operations, and Technician Level confined space rescue skills as well as the requirements for confined space entry and rescue as contained within OSHA's 29 CFR 1910.146, Permit Required Confined Spaces.

cmc rope rescue manual: Why Knot? Philippe Petit, 2013-04-09 "Mr. Petit is the perfect teacher" in this fascinating, educational volume on knot-tying—an art and science that has held civilization together (The Wall Street Journal). Philippe Petit is known for his astounding feat of daring when, on August 7, 1974, he stepped out on a wire illegally rigged between the World Trade Center's twin towers in New York City. But beyond his balance, courage, and showmanship, there was one thing Petit had to be absolutely certain of—his knots. Without the confidence that his knots would hold, he never would have left the ground. In fact, while most of us don't think about them beyond tying our shoelaces, the humble knot is crucial in countless contexts, from sailing to sports to industrial safety to art, agriculture, and more. In this truly unique book, Petit offers a guide to tying over sixty of his essential knots, with practical sketches illustrating his methods and clear tying instructions. Filled with photos in which special knots were used during spectacular high-wire walks, quirky knot trivia, personal anecdotes, helpful tips, magic tricks, and special tying challenges, *Why Knot?* will entertain and educate readers of all ages. "In reading Philippe's book we are cogently reminded that without the ability to secure a rope, or tether a goat, or make fast the sheets of a galley, much of the civilization that we take for granted would disappear as easily as a slipknot in the hands of a Vegas conjuror." —Sting, musician and activist "His descriptions are clear, he deploys humor frequently and he makes his points with anecdotes that are colorful and memorable. Explaining the purpose and creation of knots and thanks to those flawless drawings Mr. Petit earns perfect marks." —The Wall Street Journal

cmc rope rescue manual: Wilderness Medicine E-Book Paul S. Auerbach, 2011-10-31 Quickly and decisively manage any medical emergency you encounter in the great outdoors with Wilderness Medicine! World-renowned authority and author, Dr. Paul Auerbach, and a team of experts offer proven, practical, visual guidance for effectively diagnosing and treating the full range of emergencies and health problems encountered in situations where time and resources are scarce. Every day, more and more people are venturing into the wilderness and extreme environments, or are victims of horrific natural disasters...and many are unprepared for the dangers and aftermath that come with these episodes. Whether these victims are stranded on mountaintops, lost in the desert, injured on a remote bike path, or ill far out at sea, this indispensable resource--now with online access at www.expertconsult.com for greater accessibility and portability-- equips rescuers and health care professionals to effectively address and prevent injury and illness in the wilderness! This textbook is widely referred to as The Bible of Wilderness Medicine. Be able to practice emergency medicine outside of the traditional hospital/clinical setting whether you are in remote environments, underdeveloped but highly populated areas, or disaster areas, are part of search and rescue operations, or dealing with casualties from episodes of extreme sports and active lifestyle activities. Face any medical challenge in the wilderness with expert guidance: Dr. Auerbach is a noted author and the world's leading authority on wilderness medicine. He is a founder and Past President of the Wilderness Medical Society, consultant to the Divers Alert Network and many other agencies and organizations, and a member of the National Medical Committee for the National Ski Patrol System. Handle everything from frostbite to infection by marine microbes, not to mention other diverse injuries, bites, stings, poisonous plant exposures, animal attacks, and natural disasters. Grasp the essential aspects of search and rescue. Respond quickly and effectively by improvising

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