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The Geology and Hydrogeology of Carbonate Islands presents a survey of more than 30 selected islands such as Bermuda, the Bahamas, the Florida Keys, coastal Yucatan, Barbados, the Caymans, Isla de Mona, islands of Polynesia, the Cooks, Guam, Niue, Nauru, Rottneest Island, the Houtman Abrolhos, islands of the Great Barrier Reef and many atolls including Enewetak, Tarawa, Diego Garcia, Mururoa, and the Cocos Islands. The book provides a wealth of observational data and a survey of interpretations on the issues within the intersection of carbonate geology (depositional architecture, diagenetic processes and dolomitization, Cenozoic sea-level history, karstification and blue holes) and island hydrology (distribution of fresh and brackish groundwater, dual-aquifer conceptualizations, modeling of island lenses, water budgets and water resources, effects of climatic variations, island karst, endo-upwelling). Persistence theory emerged in the early 2000s as a new theory in the area of applied and computational topology. This book provides a broad and modern view of the subject, including its algebraic, topological, and algorithmic aspects. It also elaborates on applications in data analysis. The level of detail of the exposition has been set so as to keep a survey style, while providing sufficient insights into the proofs so the reader can understand the mechanisms at work. The book is organized into three parts. The first part is dedicated to the foundations of persistence and emphasizes its connection to quiver representation theory. The second part focuses on its connection to applications through a few selected topics. The third part provides perspectives for both the theory and its applications. The book can be used as a text for a course on applied topology or data analysis.

One of 2021's Most Highly Anticipated New Books—Newsweek One of The 20 Leadership Books to Read in 2020—Adam Grant One of The Best New Wellness Books Hitting Shelves in January 2021—Shape.com A Top Business Book for January 2021—Financial Times A Next Big Idea Club Nominee Social Chemistry will utterly transform the way you think about “networking.” Understanding the contours of your social network can dramatically enhance personal relationships, work life, and even your global impact. Are you an Expansionist, a Broker, or a Convener? The answer matters more than you think. . . . Yale professor Marissa King shows how anyone can build more meaningful and productive relationships based on insights from neuroscience, psychology, and network analytics. Conventional wisdom says it's the size of your network that matters, but social science research has proven there is more to it. King explains that the quality and structure of our relationships has the greatest impact on our personal and professional lives. As she shows, there are three basic types of networks, so readers can see the role they are already playing: Expansionist, Broker, or Convener. This network decoder enables readers to own their network style and modify it for better alignment with their life plans and values. High-quality connections in your social network strongly predict cognitive functioning, emotional resilience, and satisfaction at work. A well-structured network is likely to boost the quality of your ideas, as well as your pay. Beyond the office, social connections are the lifeblood of our health and happiness. The compiled results from dozens of previous studies found that our social relationships have an effect on our likelihood of dying prematurely—equivalent to obesity or smoking. Rich stories of Expansionists like Vernon Jordan, Brokers like Yo-Yo Ma, and Conveners like Anna Wintour, as well as personal experiences from King's own world of connections, inform this warm, engaging, revelatory investigation into some of the most consequential decisions we can make about the trajectory of our lives.

Here, at last, is the massively updated and augmented second edition of this landmark encyclopedia. It contains approximately 1000 entries dealing in depth with the history of the scientific, technological and medical accomplishments of cultures outside of the United States and Europe. The entries consist of fully updated articles together with hundreds of entirely new topics. This unique reference work includes intercultural articles on broad topics such as mathematics and astronomy as well as thoughtful philosophical articles on concepts and ideas related to the study of non-Western Science, such as rationality, objectivity, and method. You'll also find material on religion and science, East and West, and magic and science. This book presents the principal structure, networks and applications of the Global Aeronautical Distress and Safety System (GADSS) for enhanced airborne Communication, Navigation and Surveillance (CNS). It shows how their implementation works to ensure better security in flight and on the airports surface; improved aircraft tracking and determination in real space and time; and enhanced distress alerting, safety; and Search and Rescue (SAR) system for missing, hijacked and landed aircraft at sea or on the ground. Main topics of this book are as follows: an overview of radio and satellite systems with retrospective to aeronautical safety; security and distress systems; space segment with all aspects regarding satellite orbits and infrastructures; transmission segment of radio and satellite systems; ground segment of radio and earth ground stations; airborne radio and satellite antenna systems and propagation; aeronautical VHF and HF Radio CNS systems and networks; Inmarsat, Iridium and Cospas-Sasrast aeronautical satellite CNS systems and networks; Aeronautical Global Satellite Augmentation System (GSAS) and networks; Digital Video Broadcasting - Return Channel via Satellite (DVB-RCS) standards and Aeronautical Stratospheric Platform Systems (SPS) and networks.

Essays by leading specialists on a central issue of European history: the transition to farming.

Collins AMS-5000 Avionics Management System Pilot's Guide Flying FCC Record A Comprehensive Compilation of Decisions, Reports, Public Notices, and Other Documents of the Federal Communications Commission of the United States Flying Magazine Astronomical Catalogues 1951-1975 Sessional Papers of the Dominion of Canada Aircraft Year Book Microbiological Methods Official Summary of Security Transactions and Holdings Reported to the Securities and Exchange Commission Under the Securities Exchange Act of 1934 and the Public Utility Holding Company Act of 1935 Corporate Yellow Book Who's who at the Leading Listed U.S. Companies Successful Meetings R. L. Polk & Co.'s ... Trow New York Copartnership and Corporation Directory, Boroughs of Manhattan and Bronx Livestock, Meat, Wool Market News Geology and hydrogeology of carbonate islands Elsevier

Over the past fifteen years, the People's Liberation Army Navy's (PLAN's) missile fast-attack craft and amphibious fleets have been significantly modernized. While these two types of vessels have not increased in numbers, their capabilities have increased exponentially. This publication examines the People's Liberation Army's (PLA's) doctrine and training strategy in order to analyze present and predict future missions by these military vessels. China's deterrence posture is improved greatly by these ships and boats, which aid coastal water defense, and threaten Taiwanese attempts to gain independence. In addition, these two fleets improve China's long-range sealift capabilities, and help with the PLA's traditional, and new, nontraditional security practices. These fleets allow the PLAN to continue offshore operations, and begin "blue-water", or "far-seas" operations, helping the United States to predict the future

nature of Chinese maritime missions. Related items: China collection of publications can be found here: <https://bookstore.gpo.gov/catalog/china> Chinese Military Reforms in the Age of Xi Jinping: Drivers, Challenges, and Implications can be found here: <https://bookstore.gpo.gov/products/chinese-military-reforms-age-xi-jinping-drivers-challenges-and-implications> Indian and Chinese Engagement in Latin America and the Caribbean: A Comparative Assessment can be found here: <https://bookstore.gpo.gov/products/indian-and-chinese-engagement-latin-america-and-caribbean> U.S. Landpower in the South China Sea can be found here: <https://bookstore.gpo.gov/products/us-landpower-south-china-sea>

Presents revised and edited papers from a October 2010 conference held in Taipei on the Chinese Air Force. The conference was jointly organized by Taiwan's Council for Advanced Policy Studies, the Carnegie Endowment for International Peace, the U.S. National Defense University, and the RAND Corporation. This books offers a complete picture of where the Chinese air force is today, where it has come from, and most importantly, where it is headed.

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