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Cryptography is now ubiquitous – moving beyond the traditional environments, such as government communications and banking systems, we see cryptographic techniques realized in Web browsers, e-mail programs, cell phones, manufacturing systems, embedded software, smart buildings, cars, and even medical implants. Today's designers need a comprehensive understanding of applied cryptography. After an introduction to cryptography and data security, the authors explain the main techniques in modern cryptography, with chapters addressing stream ciphers, the Data Encryption Standard (DES) and 3DES, the Advanced Encryption Standard (AES), block ciphers, the RSA cryptosystem, public-key cryptosystems based on the discrete logarithm problem, elliptic-curve cryptography (ECC), digital signatures, hash functions, Message Authentication Codes (MACs), and methods for key establishment, including certificates and public-key infrastructure (PKI). Throughout the book, the authors focus on communicating the essentials and keeping the mathematics to a minimum, and they move quickly from explaining the foundations to describing practical implementations, including recent topics such as lightweight ciphers for RFIDs and mobile devices, and current key-length recommendations. The authors have considerable experience teaching applied cryptography to engineering and computer science students and to professionals, and they make extensive use of examples, problems, and chapter reviews, while the book's website offers slides, projects and links to further resources. This is a suitable textbook for graduate and advanced undergraduate courses and also for self-study by engineers. Harper's informs a diverse body of readers of cultural, business, political, literary and scientific affairs.

Important American periodical dating back to 1850.

This is a compilation of poetry and musical compositions by over 700 women. The lyrics vividly reveal many of the issues of importance to women in late 19th century America.

Intended to provide the basic foundation for modern archival practice and theory. Alcohol use disorder (AUD) is a major public health problem in the United States. The estimated 12-month and lifetime prevalence values for AUD are 13.9% and 29.1%, respectively, with approximately half of individuals with lifetime AUD having a severe disorder. AUD and its sequelae also account for significant excess mortality and cost the United States more than $200 billion annually. Despite its high prevalence and numerous negative consequences, AUD remains undertreated. In fact, fewer than 1 in 10 individuals in the United States with a 12-month diagnosis of AUD receive any treatment. Nevertheless, effective and evidence-based interventions are available, and treatment is associated with reductions in the risk of relapse and AUD-associated mortality. The American Psychiatric Association Practice Guideline for the Pharmacological Treatment of Patients With Alcohol Use Disorder seeks to reduce these substantial

psychosocial and public health consequences of AUD for millions of affected individuals. The guideline focuses specifically on evidence-based pharmacological treatments for AUD in outpatient settings and includes additional information on assessment and treatment planning, which are an integral part of using pharmacotherapy to treat AUD. In addition to reviewing the available evidence on the use of AUD pharmacotherapy, the guideline offers clear, concise, and actionable recommendation statements, each of which is given a rating that reflects the level of confidence that potential benefits of an intervention outweigh potential harms. The guideline provides guidance on implementing these recommendations into clinical practice, with the goal of improving quality of care and treatment outcomes of AUD.

As the U.S. National Defense Strategy recognizes, the United States is currently locked in a great-power competition with Russia. This report seeks to define areas where the United States can compete to its own advantage. It examines Russian vulnerabilities and anxieties; analyzes potential policy options to exploit them; and assesses the associated benefits, costs, and risks, as well as the likelihood of successful implementation.

Author's theatrical exploration of issues of health and illness both in the individual and in a community, by using her mother as an example.

This comprehensive anthology offers over 40 readings that are critical to the understanding of anthropological theory and the development of anthropology as an academic discipline. The fourth edition maintains a strong focus on the "four-field" roots of the discipline in North America but has been reorganized with a new section on twenty-first-century theory, including coverage of postcolonial and public anthropology. New key terms and introductions accompany each reading and a revamped glossary makes the book more student-friendly. Used on its own, or together with the overview text A History of Anthropological Theory, Fourth Edition, this anthology offers a flexible and unrivaled introduction to anthropological theory that reflects not only the history but also the changing nature of the discipline today. For additional resources, visit the "Teaching Theory" page at www.utpteachingculture.com.

This volumes contains hymns, Orders of Worship, a Lectionary, Prayers, Guitar Chord Fingering Diagrams, and several indices.

Dulcimer Hymns of Faith is a collection of 70 favorite Christian hymns. These hymns have been used to praise God in churches of many denominations. Tabulature notation has been arranged for playing the mountain dulcimer in DAA (1-5-5) tuning.

An updated edition of the award-winning analysis of the role of race in the classroom features a new author introduction and framing essays by Herbert Kohl and Charles Payne, in an account that shares ideas about how teachers can function as "cultural transmitters" in contemporary schools and communicate more effectively to overcome race-related academic challenges. Original.