Paper Makarov Blueprints

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Expedient Homemade Firearms

This illustrated book that includes tables, charts, and maps primarily discusses the role of USAREUR (US Army Europe) in rearming and training the new German Army which was perhaps the Army's single greatest contribution toward maintaining security in Western Europe. Likewise, the relationship between American soldiers and their French and West German hosts evolved over time and is a critical element in telling the story of the US Army in Europe.

Armory

Revelations from the Russian Archives

As Star Trek celebrates its 50th anniversary, the futuristic tools of Kirk, Spock, Scott, and McCoy continue to come to life. This book merges Star Trek scientific lore—how the science of the time informed the implementation of technology in the series—and the science as it is playing out today. Scientists and engineers have made and continue to develop replicators, teletransporters, tractor beams, and vision restoring visors. This book combines the vision of 1966 science fiction with the latest research in physics, biotechnology, and engineering.

Theoretical Methods in Condensed Phase Chemistry

This, fifty years after Sputnik, is the definitive book on the Russian space program. The author covers all the key elements of the current Russian space program, including both manned and unmanned missions. He examines the various types of unmanned applications programs as well as the crucial military program, and even analyzes the infrastructure of production, launch centres and tracking. You'll also find discussion of the commercialization of the program and its relationship with western companies. Russia's current space experiment is also put in a comparative global context. Strong emphasis is placed on Russia's future space intentions and on new programs and missions in prospect.

The Rebirth of the Russian Space Program

Geophysical Abstracts

Published since 1959, International Review of Neurobiology is a well-known series appealing to neuroscientists, clinicians, psychologists, physiologists, and pharmacologists. Led by an internationally renowned editorial board, this important serial publishes both eclectic volumes made up of timely reviews and thematic volumes that focus on recent progress in a specific area of neurobiology research. This volume, concentrates on the brain transcriptome. Brings together cutting-edge research on the brain transcriptome

Brain Transcriptome

Advanced Oxidation Processes (AOPs) rely on the efficient generation of reactive radical species and are increasingly attractive options for water remediation from a wide variety of organic micropollutants of human health and/or environmental concern. Advanced Oxidation Processes for Water Treatment covers the key advanced oxidation processes developed for chemical contaminant destruction in polluted water sources, some of which have been implemented successfully at water treatment plants around the world. The book is structured in two sections; the first part is dedicated to the most relevant AOPs, whereas the topics covered in the second section include the photochemistry of chemical contaminants in the aquatic environment, advanced water treatment for water reuse, implementation of advanced treatment processes for drinking water production at a state-of-the art water treatment plant in Europe, advanced treatment of municipal and industrial wastewater, and green technologies for water remediation. The advanced oxidation processes discussed in the book cover the following aspects: - Process principles including the most recent scientific findings and interpretation. - Classes of compounds suitable to AOP treatment and examples of reaction mechanisms. -

Chemical and photochemical degradation kinetics and modelling. - Water quality impact on process performance and practical considerations on process parameter selection criteria. - Process limitations and byproduct formation and strategies to mitigate any potential adverse effects on the treated water quality. - AOP equipment design and economics considerations. - Research studies and outcomes. - Case studies relevant to process implementation to water treatment. - Commercial applications. - Future research needs. Advanced Oxidation Processes for Water Treatment presents the most recent scientific and technological achievements in process understanding and implementation, and addresses to anyone interested in water remediation, including water industry professionals, consulting engineers, regulators, academics, students. Editor: Mihaela I. Stefan - Trojan Technologies - Canada

Energiya-Buran

This absorbing book describes the long development of the Soviet space shuttle system, its infrastructure and the space agency’s plans to follow up the first historic unmanned mission. The book includes comparisons with the American shuttle system and offers accounts of the Soviet test pilots chosen for training to fly the system, and the operational, political and engineering problems that finally sealed the fate of Buran and ultimately of NASA’s Shuttle fleet.

Information Bulletin

Pressures for Reform in the East European Economies

"NATO has been a "nuclear" alliance since its inception. Nuclear weapons have served the dual purpose of being part of NATO military planning as well as being central to the Alliance's deterrence strategy. For over 4 decades, NATO allies sought to find conventional and nuclear forces, doctrines, and agreed strategies that linked the defense of Europe to that of the United States. Still, in light of the evolving security situation, the Alliance must now consider the role and future of tactical or non-strategic nuclear weapons (NSNWs). Two clear conclusions emerge from this analysis. First, in the more than 2 decades since the end of the Cold War, the problem itself -- that is, the question of what to do with weapons designed in a previous century for the possibility of a World War III against a military alliance that no longer exists -- is understudied, both inside and outside of government. Tactical weapons, although less awesome than their strategic siblings, carry significant security and political risks, and they have not received the attention that is commensurate to their importance. Second, it is clear that whatever the future of these arms, the status quo is unacceptable. It is past the time for NATO to make more resolute decisions, find a coherent strategy, and formulate more definite plans about its nuclear status. Consequently, decisions about the role of nuclear weapons within the Alliance and the associated supporting analysis are fundamental to

the future identity of NATO. At the Lisbon Summit in Portugal in November 2010, the Alliance agreed to conduct the Deterrence and Defense Posture Review (DDPR). This effort is designed to answer these difficult questions prior to the upcoming NATO Summit in May 2012. The United States and its closest allies must define future threats and, in doing so, clarify NATO's identity, purpose, and corresponding force requirements. So far, NATO remains a "nuclear alliance," but it is increasingly hard to define what that means."--Publisher's website

Daily Report

Brain and Human Body Modeling

Brand Spirit examines the business benefits of cause related marketing and demonstrates how a marketeer can harness these benefits and power to promote a product, service or corporate brand.

Putin's Kleptocracy

In 1958 construction began on Akademgorodok, a scientific utopian community modeled after Francis Bacon's vision of a "New Atlantis." The city, carved out of a Siberian forest 2,500 miles east of Moscow, was formed by Soviet scientists with Khrushchev's full support. They believed that their rational science, liberated from ideological and economic constraints, would help their country surpass the West in all fields. In a lively history of this city, a symbol of de-Stalinization, Paul Josephson offers the most complete analysis available of the reasons behind the successes and failures of Soviet science--from advances in nuclear physics to politically induced setbacks in research on recombinant DNA. Josephson presents case studies of high energy physics, genetics, computer science, environmentalism, and social sciences. He reveals that persistent ideological interference by the Communist Party, financial uncertainties, and pressures to do big science endemic in the USSR contributed to the failure of Akademgorodok to live up to its promise. Still, a kind of openness reigned that presaged the glasnost of Gorbachev's administration decades later. The openness was rooted in the geographical and psychological distance from Moscow and in the informal culture of exchange intended to foster the creative impulse. Akademgorodok is still an important research center, having exposed physics, biology, sociology, economics, and computer science to new investigations, distinct in pace and scope from those performed elsewhere in the Soviet scientific establishment.

Cartridges and Firearm Identification

Small Arms for Urban Combat

Military Nanotechnology

At a time when crime scene television shows are all the rage amongst the civilian population, knowledge of firearm forensics is of paramount importance to crime scene analysts, police detectives, and attorneys for both the prosecution and the defense. Cartridges and Firearm Identification brings together a unique, multidisciplined approach to quest

Directory of Special Libraries and Information Centers

Advanced Oxidation Processes for Water Treatment

From Newspeak to Cyberspeak

This open access book describes modern applications of computational human modeling with specific emphasis in the areas of neurology and neuroelectromagnetics, depression and cancer treatments, radio-frequency studies and wireless communications. Special consideration is also given to the use of human modeling to the computational assessment of relevant regulatory and safety requirements. Readers working on applications that may expose human subjects to electromagnetic radiation will benefit from this book's coverage of the latest developments in computational modelling and human phantom development to assess a given technology's safety and efficacy in a timely manner. Describes construction and application of computational human models including anatomically detailed and subject specific models; Explains new practices in computational human modeling for neuroelectromagnetics, electromagnetic safety, and exposure evaluations; Includes a survey of modern applications for which computational human models are critical; Describes cellular-level interactions between the human body and electromagnetic fields.

Baltic News

The Northwest Technocrat

The urbanization of warfare has necessitated the kind of precision targeting that only small arms can deliver. Weapons not often seen on the battlefield can prove useful, even indispensible, in an urban setting. This expert reference guide examines in detail the most successful small arms in use and how changes in warfare have affected how those weapons are used and have transformed the small arms industry. Professional soldiers, law enforcement officers and students and researchers of small arms will gain a working knowledge of the most common and successful urban combat weapons (including some currently in development).

The Source Field Investigations

Information Bulletin - Library of Congress

The second edition of the highly acclaimed Wind Power in Power Systems has been thoroughly revised and expanded to reflect the latest challenges associated with increasing wind power penetration levels. Since its first release, practical experiences with high wind power penetration levels have significantly increased. This book presents an overview of the lessons learned in integrating wind power into power systems and provides an outlook of the relevant issues and solutions to allow even higher wind power penetration levels. This includes the development of standard wind turbine simulation models. This extensive update has 23 brand new chapters in cutting-edge areas including offshore wind farms and storage options, performance validation and certification for grid codes, and the provision of reactive power and voltage control from wind power plants. Key features: Offers an international perspective on integrating a high penetration of wind power into the power system, from basic network interconnection to industry deregulation; Outlines the methodology and results of European and North American large-scale grid integration studies; Extensive practical experience from wind power and power system experts and transmission systems operators in Germany, Denmark, Spain, UK, Ireland, USA, China and New Zealand; Presents various wind turbine designs from the electrical perspective and models for their simulation, and discusses industry standards and world-wide grid codes, along with power quality issues; Considers concepts to increase penetration of wind power in power systems, from wind turbine, power plant and power system redesign to smart grid and storage solutions. Carefully edited for a highly coherent structure, this work remains an essential reference for power system engineers, transmission and distribution network operator and planner, wind turbine designers, wind project developers and wind energy consultants dealing with the integration of wind power into the distribution or transmission network. Up-to-date and comprehensive, it is also useful for graduate students, researchers, regulation authorities, and policy makers who work in the area of wind power and need to understand the relevant power system integration issues.

A Collector's Guide To Military Rifle Disassembly and Reassembly

World Report

In this straightforward exploration of core problems facing humanity, Harold Saunders outlines how concerned citizens can bring about social and political change. Using examples from the U.S. to South Africa, Tajikistan to China, this book is full of real stories of how building 'relationship' among people can empower citizens outside government.

New Atlantis Revisited

Brand Spirit

This book is meant to provide a window on the rapidly growing body of theoretical studies of condensed phase chemistry. A brief perusal of physical chemistry journals in the early to mid 1980’s will find a large number of theor- ical papers devoted to 3-body gas phase chemical reaction dynamics. The recent history of theoretical chemistry has seen an explosion of progress in the devel- ment of methods to study similar properties of systems with Avogadro’s number of particles. While the physical properties of condensed phase systems have long been principle targets of statistical mechanics, microscopic dynamic theories that start from detailed interaction potentials and build to first principles predictions of properties are now maturing at an extraordinary rate. The techniques in use range from classical studies of new Generalized Langevin Equations, semicl- sical studies for non-adiabatic chemical reactions in condensed phase, mixed quantum classical studies of biological systems, to fully quantum studies of m- els of condensed phase environments. These techniques have become sufficiently sophisticated, that theoretical prediction of behavior in actual condensed phase environments is now possible. and in some cases, theory is driving development in experiment. The authors and chapters in this book have been chosen to represent a wide variety in the current approaches to the theoretical chemistry of condensed phase systems. I have attempted a number of groupings of the chapters, but the - versity of the work always seems to frustrate entirely consistent grouping.

From Legal to Lethal

The raging question in the world today is who is the real Vladimir Putin and what are his intentions. Karen Dawisha’s brilliant Putin’s Kleptocracy provides an answer, describing how Putin got to power, the cabal he brought with him, the billions they have looted, and his plan to restore the Greater Russia. Russian scholar Dawisha describes and exposes the origins of Putin’s kleptocratic regime. She presents extensive new evidence about the Putin circle’s use of public positions

for personal gain even before Putin became president in 2000. She documents the establishment of Bank Rossiya, now sanctioned by the US; the rise of the Ozero cooperative, founded by Putin and others who are now subject to visa bans and asset freezes; the links between Putin, Petromed, and “Putin’s Palace” near Sochi; and the role of security officials from Putin’s KGB days in Leningrad and Dresden, many of whom have maintained their contacts with Russian organized crime. Putin’s Kleptocracy is the result of years of research into the KGB and the various Russian crime syndicates. Dawisha’s sources include Stasi archives; Russian insiders; investigative journalists in the US, Britain, Germany, Finland, France, and Italy; and Western officials who served in Moscow. Russian journalists wrote part of this story when the Russian media was still free. “Many of them died for this story, and their work has largely been scrubbed from the Internet, and even from Russian libraries,” Dawisha says. “But some of that work remains.”

The Current Digest of the Soviet Press

Tactical Nuclear Weapons and NATO

With revolutionary changes in nanotechnology (NT) now on the horizon, many countries have started major research and development (R&D) programmes, which are mainly civilian. Often overlooked are military R&D programmes – in particular those of the US government. This is the first systematic and comprehensive presentation of the potential military applications of NT. In ten to twenty years, these applications may include extremely small computers, robots, missiles, satellites, launchers and sensors. They may also provide lighter and stronger materials for vehicles and weapons, implants in soldiers’ bodies, metal-free firearms, autonomous fighting systems, and smaller chemical and biological weapons. These potential uses raise strong concerns. This assessment is made from a viewpoint of international security, considering the new criteria of dangers for arms control and the international law of warfare, dangers for stability through potential new arms races and proliferation, and dangers for humans and society. Some military applications, such as computers, will be so close to civilian uses that limits are impractical. Others, such as sensors for biological-warfare agents, may contribute to stronger protection against terrorist attacks and better verification of compliance with arms-control treaties. For preventive limitation of these new technologies, specific approaches are proposed that balance positive civilian uses and take into account verification of compliance, with a view to international peace and security, not national military strength. This book will be of great interest to scholars of military technology, non-lethal weapons, disarmament and security studies in general.

The Russian Military in Contemporary Perspective

Politics Is about Relationship

An archive-based history of Soviet cybernetics that focuses on the interplay of scientific, economic, and political discourses in the Soviet Union and Russia from the late 1940s through the 1990s.

The Realization of Star Trek Technologies

The author provides clear, step-by-step instructions for and expedient 9mm submachine gun. It is easily constructed from readily available materials, primarily steel tubing; it does not require a lathe and milling machine and it can be built by just about anyone in about a week. For Academic Study Only

Forging the Shield

Green Globe Yearbook of International Co-operation on Environment and Development

Through a series of essays on key events in recent years in Russia, the western ex-republics of the USSR and the countries of the one-time Warsaw Pact, John Besemeres seeks to illuminate the domestic politics of the most important states, as well as Moscow's relations with all of them. At the outset, he takes some backward glances at the violent suppression of national life in the 'bloodlands' of Europe during World War II by the Stalinist and Nazi regimes, which helps to explain much about the region's dynamics since. His concern throughout is that a large area of Europe with a combined population well in excess of Russia's could again be consigned by the West to Moscow's care, not this time by more and less malign forms of collusion, but by distracted negligence or incomprehension. 'This is a wonderful collection of essays from a leading Eastern Europe specialist. John Besemeres brings a lifetime of experience, profound insights, and an incisive style to subjects ranging from wartime and post-war Poland through contemporary Ukraine to Putin's Russia. At a time when doublespeak has become the new normal, his refreshing honesty has never been in greater need.' — Bobo Lo This publication was awarded a Centre for European Studies Publication Prize in 2015. The prize covers the cost of professional copyediting.

African Defence Journal

Assesses the scientific, cultural, and historical relevance of the year 2012, covering such topics as consciousness science, wormholes, the Mayan calendar, and three-dimensional time.

F.Y.E.O.

A Difficult Neighbourhood

The updated second edition of Handbook of Firearms and Ballistics includes recent developed analytical techniques and methodologies with a more comprehensive glossary, additional material, and new case studies. With a new chapter on the determination of bullet caliber via x-ray photography, this edition includes revised material on muzzle attachments, proof marks, non-toxic bullets, and gunshot residues. Essential reading for forensic scientists, firearms examiners, defense and prosecution practitioners, the judiciary, and police force, this book is also a helpful reference guide for undergraduate and graduate forensic science students.

Wind Power in Power Systems

"The chapters included in this volume all come from an international conference on the Russian military that aimed to examine the Russian military establishment as much as possible, including its domestic developments, the ability of Russia's economy, and in particular, its science and technology sectors. Given the ongoing aggressiveness of the Russian military, this effort to present an all-encompassing look at it is not only essential reading but also quite unique in the existing literature" -- Publisher's web site.

Handbook of Firearms and Ballistics