

Breaking Ice For Arctic Oil The Epic Voyage Of The Ss Manhattan Through The Northwest Passage

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Marine News - 1968

Fu-go - Ross Coen 2014-11-01

Near the end of World War II, in an attempt to attack the United States mainland, Japan launched its fu-go campaign, deploying thousands of high-altitude hydrogen balloons armed with incendiary and high-explosive bombs designed to follow the westerly winds of the upper atmosphere and drift to the west coast of North America. After reaching the mainland, these fu-go, the Japanese hoped, would terrorize American citizens and ignite devastating forest fires across the western states, ultimately causing the

United States to divert wartime resources to deal with the domestic crisis. While the fu-go offensive proved to be a complete tactical failure, six Americans lost their lives when a discovered balloon exploded. Ross Coen provides a fascinating look into the obscure history of the fu-go campaign, from the Japanese schoolgirls who manufactured the balloons by hand to the generals in the U.S. War Department who developed defense procedures. The book delves into panic, propaganda, and media censorship in wartime. Fu-go is a compelling story of a little-known episode in our national history that unfolded virtually unseen. Purchase the audio edition.

Natural Science - 1969

Canadian Foreign Policy - Brian Bow 2020-11-01

Canadian Foreign Policy, as an academic discipline, is in crisis. Despite its value, CFP is often considered a “stale and pale” subfield of political science with an unfashionably state-centred focus. Canadian Foreign Policy asks why. Practising scholars investigate how they were taught to think about Canada and how they teach the subject themselves. Their inquiry shines a light on issues such as the casualization of academic labour and the relationship between study and policymaking. This nuanced collection offers not only a much-needed assessment of the boundaries, goals, and values of the discipline but also a guide to its revitalization.

Desolation Angels - Jack Kerouac 1990

From California to Mexico and on to opium-ridden Tangiers, Kerouac chronicles the frenetic parties, the drink and the drugs, the poetry and the mountain vigils with unsurpassable energy.

Reading the Glass - Elliot Rappaport 2023-02-14

A sea captain’s beautifully written tour of our planet, our oceans, and our ever-changing atmosphere “An extraordinary book by a modern-day Melville.”—Mark Vanhoenacker • “Immensely rewarding and entertaining.”—Lincoln Paine • “Full of history, wisdom, and hilarious

stories from life on the open seas.”—Daniel Stone What’s in a cloud? Did you know that water vapor is invisible and actually lighter than dry air? What separates a tropical storm from a winter blizzard? And what exactly is El Niño? Elliot Rappaport, a professional captain of traditional sailing ships, has spent three decades at sea, where understanding weather is crucial to the safety of vessels and their crews. In *Reading the Glass*, he offers a sailor’s-eye view of the moving parts of our atmosphere and unveils the larger patterns it holds: global winds, storms, air masses, jet streams, and the longer arc of our climate. Told through a series of tall ship voyages, Rappaport’s narrative takes readers from the icy seas of Greenland to the Roaring Forties, places where one can experience all four seasons in an hour. He navigates the turbulent waters of the Strait of Gibraltar, en route to storied port cities of the Mediterranean. In the vast tropical Pacific he crosses the equator, where heat, moisture, and unsettled winds churn out powerful squalls, and drops anchor in isolated ports of call. He explores wide swathes of ocean to explain how the trade winds have carried ships westward for centuries, and how ancient Polynesian explorers pushed back the other way, leveraging their mastery of waves and weather to achieve what may be humanity’s greatest navigational achievement. Written in stunning prose, brimming with wisdom, curiosity, and humor, *Reading the Glass* brilliantly blends science

and memoir to reveal how weather has shaped our oceans, our history, and ourselves.

China's Arctic Ambitions and what They Mean for Canada - P. Whitney Lackenbauer 2018

Annotation This title addresses China's ever increasing interest in the Arctic, and in Canada's Far North in particular. It offers a holistic approach to the subject - covering resource development, shipping, scientific research, governance, and military strategy - to better understand both Chinese motivations and the potential impacts of a greater Chinese presence in the circumpolar region. The book draws on extensive research into published Chinese government documentation, secondary source analysis, business and media reports, and the existing academic literature.

[Navigating a Changing World](#) - Geoffrey Hale 2021-04-07

The negotiation of the Canada–United States U.S. Free Trade Agreement in 1985–88 initiated a period of substantially increased North American, and later, global, economic integration. However, events since the election of Donald Trump in 2016 have created the potential for major policy shifts arising from NAFTA's renegotiation and from continuing political uncertainties in the United States and with Canada's other major trading partners. *Navigating a Changing World* draws together scholars from both countries to examine Canada–U.S. policy relations, the evolution of

various processes for regulating market and human movements across national borders, and the specific application of these dynamics to a cross-section of policy fields with significant implications for Canadian public policy. This book explores the interaction impact of territorial institutions and extra-territorial forces – institutional, economic, and technological, among others – on interactions across national borders, both within North America and, where relevant, in broader economic relationships affecting the movement of goods, services, people, and capital. Above all, *Navigating a Changing World* represents the first major study to address Canada's international policy relations within and beyond North America since the elections of Justin Trudeau in 2015 and Donald Trump in 2016 and the renegotiation of NAFTA.

Breaking Ice for Arctic Oil - Ross Coen 2012-04-15

In 1969, an icebreaking tanker, the SS Manhattan, was commissioned by Humble Oil to transit the Northwest Passage in order to test the logistical and economic feasibility of an all-marine transportation system for Alaska North Slope crude oil. Proposed as an alternative to the Trans-Alaska Pipeline, the Manhattan made two voyages to the North American Arctic and collected volumes of scientific data on ice conditions and the behavior of ships in ice. Although the Manhattan successfully navigated the Northwest Passage—closing a five-hundred-year chapter of Arctic

exploration by becoming the first commercial vessel to do so—the expedition ultimately demonstrated the impracticality of moving crude oil using icebreaking ships. *Breaking Ice for Arctic Oil* details this historic voyage, establishing its significant impact on the future of marine traffic and resource development in the Arctic and setting the stage for the current oil crisis.

The Merchant Navy - Archibald Hurd 1921

Silent Killers - James P. Delgado 2011-06-20

James P. Delgado, President and CEO of the Institute of Nautical Archaeology, presents a detailed and visually stunning examination of the history and development of the modern nuclear submarine. Calling on his training as a nautical archaeologist who was among the first explorers to dive the Titanic, Delgado recreates the story of the submarine from the bottom up – that is through eerie photographs of subs at the bottom of the sea. In addition, he explores submarine technology, from wooden to iron to steel hulls, from hand-cranked to nuclear-powered propulsion, from candlelight to electricity, from gunpowder 'torpedoes' to nuclear missiles. An esteemed underwater archaeologist and marine historian, Jim Delgado has compiled an extraordinary history of the dragons of the deep. *Silent Killers* is a triumph that is educational as well as highly entertaining. Clive

Cussler

The Polar Times - August Howard 1970

Marine Digest - 1969

Celestial Sleuth - Donald W. Olson 2013-10-02

For a general audience interested in solving mysteries in art, history, and literature using the methods of science, 'forensic astronomy' is a thrilling new field of exploration. Astronomical calculations are the basis of the studies, which have the advantage of bringing to readers both evocative images and a better understanding of the skies. Weather facts, volcano studies, topography, tides, historical letters and diaries, famous paintings, military records, and the friendly assistance of experts in related fields add variety, depth, and interest to the work. The chosen topics are selected for their wide public recognition and intrigue, involving artists such as Vincent van Gogh, Claude Monet, Edvard Munch, and Ansel Adams; historical events such as the Battle of Marathon, the death of Julius Caesar, the American Revolution, and World War II; and literary authors such as Chaucer, Shakespeare, Joyce, and Mary Shelley. This book sets out to answer these mysteries indicated with the means and expertise of astronomy, opening the door to a richer experience of human culture and

its relationship with nature. Each subject is carefully analyzed. As an example using the study of sky paintings by Vincent van Gogh, the analytical method would include: - computer calculations of historical skies above France in the 19th century - finding and quoting the clues found in translations of original letters by Van Gogh - making site visits to France to determine the precise locations when Van Gogh set up his easel and what celestial objects are depicted. For each historical event influenced by astronomy, there would be a different kind of mystery to be solved. As an example: - How can the phase of the Moon and time of moonrise help to explain a turning point of the American Civil War - the fatal wounding of Stonewall Jackson at Chancellorsville in 1863? For each literary reference to astronomy, it was determined which celestial objects were being described and making an argument that the author is describing an actual event. For example, what was the date of the moonlit scene when Mary Shelley first had the idea for her novel "Frankenstein?" These and more fun riddles will enchant and delight the fan of art and astronomy.

United States Naval Institute Proceedings - United States Naval Institute
1970

The Palgrave Handbook of Arctic Policy and Politics - Ken S. Coates
2019-11-14

The Arctic has, for some forty years, been among the most innovative policy environments in the world. The region has developed impressive systems for intra-regional cooperation, responded to the challenges of the rapid environmental change, empowered and engaged with Indigenous peoples, and dealt with the multiple challenges of natural resource development. The Palgrave Handbook on Arctic Policy and Politics has drawn on scholars from many countries and academic disciplines to focus on the central theme of Arctic policy innovation. The portrait that emerges from these chapters is of a complex, fluid policy environment, shaped by internal, national and global dynamics and by a wide range of political, legal, economic, and social transitions. The Arctic is a complex place from a political perspective and is on the verge of becoming even more so. Effective, proactive and forward-looking policy innovation will be required if the Far North is to be able to address its challenges and capitalize on its opportunities.

Border Flows - Lynne Heasley 2016

Declining access to fresh water is one of the twenty-first century's most pressing environmental and human rights challenges, yet the struggle for water is not a new cause. The 8,800-kilometer border dividing Canada and the United States contains more than 20 percent of the world's total freshwater resources, and Border Flows traces the century-long effort by

Canada and the United States to manage and care for their ecologically and economically shared rivers and lakes. Ranging across the continent, from the Great Lakes to the Northwest Passage to the Salish Sea, the histories in *Border Flows* offer critical insights into the historical struggle to care for these vital waters. From multiple perspectives, the book reveals alternative paradigms in water history, law, and policy at scales from the local to the transnational. Students, concerned citizens, and policymakers alike will benefit from the lessons to be found along this critical international border.

[The Baltic Sea Region](#) - Witold Maciejewski 2002

The Ocean Reader - Eric Paul Roorda 2020-01-17

From prehistoric times to the present, the Ocean has been used as a highway for trade, a source of food and resources, and a space for recreation and military conquest, as well as an inspiration for religion, culture, and the arts. *The Ocean Reader* charts humans' relationship to the Ocean, which has often been seen as a changeless space without a history. It collects familiar, forgotten, and previously unpublished texts from all corners of the world. Spanning antiquity to the present, the volume's selections cover myriad topics including the slave trade, explorers from China and the Middle East, shipwrecks and castaways, Caribbean and

Somali pirates, battles and U-boats, narratives of the Ocean's origins, and the devastating effects of climate change. Containing gems of maritime writing ranging from myth, memoir, poetry, and scientific research to journalism, song lyrics, and scholarly writing, *The Ocean Reader* is the essential guide for all those wanting to understand the complex and long history of the Ocean that covers over 70 percent of the planet.

The Supernova Story - Laurence Marschall 2021-02-09

Astronomers believe that a supernova is a massive explosion signaling the death of a star, causing a cosmic recycling of the chemical elements and leaving behind a pulsar, black hole, or nothing at all. In an engaging story of the life cycles of stars, Laurence Marschall tells how early astronomers identified supernovae, and how later scientists came to their current understanding, piecing together observations and historical accounts to form a theory, which was tested by intensive study of SN 1987A, the brightest supernova since 1006. He has revised and updated *The Supernova Story* to include all the latest developments concerning SN 1987A, which astronomers still watch for possible aftershocks, as well as SN 1993J, the spectacular new event in the cosmic laboratory.

Innovation with Purpose - Lockheed Martin 2013

[Sealab](#) - Ben Hellwarth 2012-01-10

Traces the story of the defunct U.S. Navy program to develop a marine lab in the ocean where divers could conduct vital undersea exploration and recover lost vessels, drawing on archival materials to reveal how techniques and equipment pioneered for the Sealab program are used on commercial rigs today.

The Emerald Planet - David Beerling 2017

'The Emerald Planet' reveals the crucial role that plants have played in driving & recording climatic change. The book provides an important perspective on the controversial & crucial subject of global warming - for we can only understand climate change by looking into the distant past, long before the rise of humankind --

Mining Journal - 1969

Periodic analysis issued for and bound with some volumes.

Pointing Our Thoughts - Neil L. Rudenstine 2001

As president of Harvard University, Neil Rudenstine has enjoyed a unique perspective on the state of higher learning. This selection of Rudenstine's talks and writings illuminates many of the ideas and issues that animate higher education today, from the educational importance of diversity to the teaching potential of new technologies.

Breaking Ice for Arctic Oil - Ross Coen 2012-04-15

In 1969, an icebreaking tanker, the SS Manhattan, was commissioned by

Humble Oil to transit the Northwest Passage in order to test the logistical and economic feasibility of an all-marine transportation system for Alaska North Slope crude oil. Proposed as an alternative to the Trans-Alaska Pipeline, the Manhattan made two voyages to the North American Arctic and collected volumes of scientific data on ice conditions and the behavior of ships in ice. Although the Manhattan successfully navigated the Northwest Passage—closing a five-hundred-year chapter of Arctic exploration by becoming the first commercial vessel to do so—the expedition ultimately demonstrated the impracticality of moving crude oil using icebreaking ships. *Breaking Ice for Arctic Oil* details this historic voyage, establishing its significant impact on the future of marine traffic and resource development in the Arctic and setting the stage for the current oil crisis.

The Library Journal Book Review - 1970

Military Geography for Professionals and the Public - John M. Collins 1998

An examination of geography's critical effects on battles throughout the ages

Getting the message through: A Branch History of the U.S. Army Signal Corps - Rebecca Robbins Raines 1996

Getting the Message Through, the companion volume to Rebecca Robbins

Raines' Signal Corps, traces the evolution of the corps from the appointment of the first signal officer on the eve of the Civil War, through its stages of growth and change, to its service in Operation DESERT SHIELD/DESERT STORM. Raines highlights not only the increasingly specialized nature of warfare and the rise of sophisticated communications technology, but also such diverse missions as weather reporting and military aviation. Information dominance in the form of superior communications is considered to be sine qua non to modern warfare. As Raines ably shows, the Signal Corps--once considered by some Army officers to be of little or no military value--and the communications it provides have become integral to all aspects of military operations on modern digitized battlefields. The volume is an invaluable reference source for anyone interested in the institutional history of the branch.

Proceedings of the United States Naval Institute - United States Naval Institute 1974

Deep Cut - Christine Keiner 2020-12-15

This book is openly available in digital formats thanks to a generous grant from the Andrew W. Mellon Foundation. The Atlantic-Pacific Central American sea-level canal is generally regarded as a spectacular failure. However, *Deep Cut* examines the canal in an alternative context, as an

anticipated infrastructure project that captured attention from the nineteenth through the late twentieth centuries. Its advocates included naturalist Alexander von Humboldt, physicist Edward Teller, and U.S. presidents John F. Kennedy, Lyndon Johnson, and Jimmy Carter. The waterway did not come to fruition, but as a proposal it served important political and scientific purposes during different eras, especially the years spanning the Cold War and the "environmental decade" of the 1970s. Historian Christine Keiner shows how the evolving plans for the sea-level ship canal performed distinct kinds of work for diverse historical actors in light of shifting scientific, environmental, and diplomatic values. Dismissing it as a failed scheme prevents us from considering the political, cultural, and epistemological processes that went into constructing the seaway as an innovative diplomatic solution to rising U.S.-Panama tensions, an exciting research opportunity for evolutionary biologists, a superior hydrocarbon highway for the oil industry, or a serious ecological threat to marine biodiversity. Invoking past dreams and nightmares of peaceful nuclear explosives, invasive sea snakes, and the 1970s energy crisis, *Deep Cut* uses the Central American seaway proposal to examine the changing roles of environmental diplomacy and state-sponsored environmental impact assessment. More broadly, Keiner amplifies an emerging conversation around the environmental, scientific, and political

histories and legacies of unrealized megaprojects.

Technological Innovation, Globalization and the Cold War - Wolfgang Mueller 2022-11-24

This volume focuses on the interconnections between the Cold War, technological innovation and globalization. Although the consequences of globalization have received ample attention in both academia and the public discourse, only limited attention has so far been given to the factors that instigated various waves of this process. This holds particularly true for the period following World War II, during which a struggle between the two global blocs fanned not only technological innovations but also their transfer. This volume is dedicated to examining the links between the Cold War and this phase in the history of globalization, a phase that gradually made the world—despite high levels of international tension—more and more inter-related. More specifically, it anchors a very contemporary phenomenon to its historical context and pinpoints how the varied and multi-layered East-West interactions helped to induce and foster the globalization processes. Emphasizing technology and its cross-bloc flows, as well as several levels of actors, including states, private companies, and individuals, this volume reflects an important shift towards "transnationalism" which has occurred in the historiography in the recent years. This book will be of interest to students of Cold War Studies,

science and technology studies, and International Relations.

[In the Shadow of Denali](#) - Jonathan Waterman 2009-12-08

A classic in the genre of mountain literature—with a new preface by the author Rising more than 20,000 feet into the Alaskan sky is Denali, the tallest mountain in North America. In this collection of exhilarating and stunning narratives, Jonathan Waterman paints a startlingly intimate portrait of the white leviathan and brings to vivid life men and women whose fates have entwined on its sheer icy peak.

[Proceedings - United States Naval Institute](#) - United States Naval Institute 1974-05

The Tornado Chasers - Ross Montgomery 2014-07-01

When Owen Underwood's family move to Barrow, it's because there's nowhere safer in the Valleys - and safety is very important. Especially when the threat of tornadoes, and giant bears, is constant. But in Barrow, safety is taken to extremes. Children have to wear bright yellow at all times and are never allowed outside except to go to school. How can Owen face an entire summer of that? In secret, Owen and his friends form the Tornado Chasers. Their mission: to get as close to a Grade 5 tornado as possible. It's time for them to face their fears! And then... And then... The second hilarious, thought-provoking, highly original book from an

extraordinary young talent - you've never read a novel like it!

Earth 2020: An Insider's Guide to a Rapidly Changing Planet - Philippe Tortell 2020-04-22

Fifty years have passed since the first Earth Day, on 22 April 1970. This accessible, incisive and timely collection of essays brings together a diverse set of expert voices to examine how the Earth's environment has changed over this past half century, and what lies in store for our planet over the coming fifty years. *Earth 2020: An Insider's Guide to a Rapidly Changing Planet* responds to a public increasingly concerned about the deterioration of Earth's natural systems, offering readers a wealth of perspectives on our shared ecological past, and on the future trajectory of planet Earth. Written by world-leading thinkers on the front-lines of global change research and policy, this multi-disciplinary collection maintains a dual focus: some essays investigate specific facets of the physical Earth system, while others explore the social, legal and political dimensions shaping the human environmental footprint. In doing so, the essays collectively highlight the urgent need for collaboration across diverse domains of expertise in addressing one of the most significant challenges facing us today. *Earth 2020* is essential reading for everyone seeking a deeper understanding of the past, present and future of our planet, and the role of humanity in shaping this trajectory.

Imperial Standard - Graham D. Taylor 2019-04-15

For over 130 years, Imperial Oil dominated Canada's oil industry. Their 1947 discovery of crude oil in Leduc, Alberta transformed the industry and the country. But from 1899 onwards, two-thirds of the company was owned by an American giant, making Imperial Oil one of the largest foreign-controlled multinationals in Canada. *Imperial Standard* is the first full-scale history of Imperial Oil. It illuminates Imperial's longstanding connections to Standard Oil of New Jersey, also known as Exxon Mobil. Although this relationship was often beneficial to Imperial, allowing them access to technology and capital, it also came at a cost, causing Imperial to be assailed as the embodiment of foreign control of Canada's natural resources. Graham D. Taylor draws on an extensive collection of primary sources to explore the complex relationship between the two companies. This groundbreaking history provides unprecedented insight into one of Canada's most influential oil companies as it has grown and evolved with the industry itself.

The Guns at Last Light - Rick Atkinson 2014-05-13

The final volume of the trilogy chronicles the Allied victory in Western Europe, from the brutal struggles in Normandy and at the Battle of the Bulge to the freeing of Paris, as experienced by participants from every level of the military.

Library Journal - 1970

Includes, beginning Sept. 15, 1954 (and on the 15th of each month, Sept.-May) a special section: School library journal, ISSN 0000-0035, (called Junior libraries, 1954-May 1961). Also issued separately.

Frontiers in International Environmental Law: Oceans and Climate

Challenges - Richard Barnes 2021-03-15

Frontiers in International Environmental Law is a collection of essays that showcases how law and legal scholarship can responded to challenges to our oceans and climate governance regimes.