

# SEADRAGON

BY COMMANDER GEORGE P. STEELE, USN



NORTHWEST UNDER THE ICE

*The story of the nuclear Submarine Seadragon's  
epic discovery of an underwater Northwest Passage*

# Seadragon Northwest Under The Ice

**Dalhousie Ocean Studies Programme**



## **Seadragon Northwest Under The Ice:**

*Seadragon* George P. Steele, 1962 Accounts of the first east west traverse of the Arctic Sea during the summer of 1960 made by the nuclear submarine the U S S Seadragon and reported by her commander **USS Seadragon - George P. Steele, 1962** **The Northwest Passage: Arctic Straits** Donat Pharand, 2024-09-02 **Workshop on the U.S. Antarctic Meteorological Data Delivery System** Claire S. Hanson, Charles R Stearns, 1988 **Politics of the Northwest Passage** Dalhousie Ocean Studies Programme, 1987 Series of articles which summarize issues involved in Canada's claim to sovereignty over the Northwest Passage arranged in four parts the setting international arctic politics Canadian arctic politics conclusions **Hot Straight and Normal** Ron Martini, 2001 Hot Straight and Normal is a submarine bibliography with over 6000 references to books videos articles and Internet sources It is designed to assist researchers historians students teachers collectors and others with an interest in submarines their history construction and use in wars worldwide It's unique format of listing the books by title will assist the researcher and casual reader alike in finding or searching for familiar words and subjects Fiction book titles are also included Each listing contains title author date published publisher page count ISBN number and other informative descriptions if known This is the only submarine bibliography currently in publication The article index includes all articles in all issues of Naval Submarine League's Submarine Review and Naval Institute's Naval Proceedings magazine There are Web sites and other Internet sources listed and even information on obtaining more information through the Freedom of Information Act Also included is how to find materials inside government archives Collected and edited by a former U S submariner and member of U S Submarine Veterans Inc *Cold Science* Stephen Bocking, Daniel Heidt, 2019-03-07 Science during the Cold War has become a matter of lively interest within the historical research community attracting the attention of scholars concerned with the history of science the Cold War and environmental history The Arctic recognized as a frontier of confrontation between the superpowers and consequently central to the Cold War has also attracted much attention This edited collection speaks to this dual interest by providing innovative and authoritative analyses of the history of Arctic science during the Cold War **Lock, Stock, and Icebergs** Adam Lajeunesse, 2016-01-15 In 1988 after years of failed negotiations over the status of the Northwest Passage Brian Mulroney gave Ronald Reagan a globe pointed to the Arctic and said Ron that's ours We own it lock stock and icebergs A simple statement it summed up a hundred years of official policy Since the nineteenth century Canadian governments have claimed ownership of the land and the icy passageways that make up the Arctic Archipelago Unfortunately for Ottawa many countries including the United States still do not recognize these as internal Canadian waters Crucial to understanding the complex nature of Canadian Arctic sovereignty is an understanding of its history Lock Stock and Icebergs draws on recently declassified Canadian and American archival material to chart the origins and development of Canadian Arctic maritime policy Uncovering decades of internal policy debates secret negotiations with the United States and long classified joint

defence projects Adam Lajeunesse traces the circuitous history of Canada's Arctic maritime sovereignty

**Submarines Under Ice** Marion D. Williams, 1998 This book treats not only Wilkins's Nautilus expedition of 1931 but the diesel and battery powered submarine operations of the 1940s and 1950s as well as the era of nuclear powered boats It shows how rapid advances in science and technology helped overcome so many obstacles that today the Arctic Ocean is considered the submariner's private sea Author Marion Williams a member of the U S Navy's submarine service for many years tells the story from the viewpoint of the submariners themselves To do so he consulted countless official and unofficial documents and recently declassified reports interviewed participants and drew on his own professional knowledge He provides dramatic details of every operation and also describes the military and political ramifications of each cruise The narrative is certain to appeal to readers of all ages who enjoy tales of exploration and discovery Dozens of photographs many never before published help bring the story to life

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**Exploring Polar Frontiers** William James Mills, 2003-12-11 Covers the entire history of Arctic and Antarctic exploration from the voyage of Pytheas ca 325 B C to the present in one convenient comprehensive reference resource Exploring Polar Frontiers A Historical Encyclopedia is the only reference work that provides a comprehensive history of polar exploration from the ancient period through the present day The author is a noted polar scholar and offers dramatic accounts of all major explorers and their expeditions together with separate exploration histories for specific islands regions and uncharted waters He presents a wealth of fascinating information under a variety of subject entries including methods of transport myths achievements and record breaking activities By approaching polar exploration biographically geographically and topically Mills reveals a number of intriguing connections between the various explorers their patrons and times and the process of discovery in all areas of the polar regions Furthermore he provides the reader with a clear understanding of the intellectual climate as well as the dominant social economic and political forces surrounding each expedition Readers will learn why the journeys were undertaken not just where when and how

**Silent and Unseen** Alfred Scott McLaren, 2015-05-15 Silent and Unseen is a memoir of a submariner's life on a U S attack submarine during the Cold War by Capt Alfred S McLaren an experienced submarine officer and nuclear attack submarine commander He describes in riveting detail the significant events that occurred early in the Cold War during his seven years 1958-65 on board three attack submarines the USS Greenfish SS 351 USS Seadragon SSN 584 and USS Skipjack SSN 585 He took part in the first submerged transit of the Northwest Passage a Baffin Bay expedition and as commander of USS Queenfish SSN 651 a North Pole expedition that completed the first survey of the entire Siberian Continental Shelf McLaren's stories and anecdotes offer a look at the development of attack boat tactics and under ice exploration techniques During the early high risk years of the Cold War submarines were continually at sea and each reconnaissance and intelligence collection mission was of potentially great value to the United States The missions often required zeroing in on the potential enemy to collect the intelligence

desired generally within weapons range Unlike a war patrol the U S attack boat had to remain undetected and then withdraw as silently and unseen as it s original approach Greenfish was one of the most successful Pacific diesel submarines when McLaren served aboard her as a watch and weapons officer He then served as watch officer on the Seadragon when she became the first nuclear submarine to transit from the Atlantic to the Pacific via the Arctic Ocean En route she examined the underside of icebergs conducted the first underwater survey and passage through the Northwest Passage and surfaced at the North Pole McLaren concludes by recounting his experiences on board what was then the world s fastest and most advanced submarine USS Skipjack SSN 585 during the Cuban Missile Crisis two Cold War missions and the very intensive and exciting period of new tactical and weapons development which followed to counter a rapidly emerging Soviet nuclear submarine threat

**Congressional Record** United States. Congress,1971 The Congressional Record is the official record of the proceedings and debates of the United States Congress It is published daily when Congress is in session The Congressional Record began publication in 1873 Debates for sessions prior to 1873 are recorded in The Debates and Proceedings in the Congress of the United States 1789 1824 the Register of Debates in Congress 1824 1837 and the Congressional Globe 1833 1873

**The Oceans in the Nuclear Age** David D. Caron,Harry N. Scheiber,2014-07-17 The advent of the nuclear age in 1945 fundamentally altered the course of human events The oceans are not the focus of the nuclear age but the affairs of the oceans are deeply woven into the history of that age Knowledge of what the nuclear age has meant for the oceans however is highly fragmented and there exists a surprising gap in research on the impact of the nuclear age on the oceans and on ocean law and policy Ranging from dumped wastes to transportation to security this study frames the complex multidimensional set of relationships between the oceans and the nuclear age and illuminates patterns of impact and response in ocean law This timely expanded edition includes a new chapter by Lt Todd Hutchins USN on Nuclear Risks in Coastal Areas Legal and Regulatory Responses It provides a full discussion of the 2011 coastal Fukushima Nuclear Power Plant disaster together with analysis more generally of the challenges to the environment and to the legal order globally that are posed by coastal siting of nuclear power plants

**Seadragon** George P. Steele,1962 Accounts of the first east west traverse of the Arctic Sea during the summer of 1960 made by the nuclear submarine the U S S Seadragon and reported by her commander

*Encyclopedia of the Arctic* Mark Nuttall,2005-09-23 With detailed essays on the Arctic s environment wildlife climate history exploration resources economics politics indigenous cultures and languages conservation initiatives and more this Encyclopedia is the only major work and comprehensive reference on this vast complex changing and increasingly important part of the globe Including 305 maps This Encyclopedia is not only an interdisciplinary work of reference for all those involved in teaching or researching Arctic issues but a fascinating and comprehensive resource for residents of the Arctic and all those concerned with global environmental issues sustainability science and human interactions with the environment

**The U.S. Naval Institute on Arctic Naval Operations** Timothy J Demy,2019-11-15 The U S Naval Institute Wheel

Books provide important information pragmatic advice and cogent analysis on topics important to all naval professionals Drawn from the U S Naval Institute s vast archives the series combines articles from the Institute s flagship publication Proceedings selections from the oral history collection and Naval Institute Press books to create unique guides on a wide array of fundamental professional subjects This Wheel Book explores the Arctic a region with new strategic significance and includes the following articles America s Arctic Imperative by Admiral Robert J Papp USCG Ret Preparing for Arctic Naval Operations by Commander Mika Raunu Finnish Navy and Commander Rory Berke USN Cold Horizons Arctic Maritime Security Challenges by Commander John Patch USN Ret In the Dark and Out in the Cold by Lieutenant Commander Magda Hanna USN Geopolitical Icebergs by Dr David P Auerswald And more     **All Hands** ,1967     *Emergency Deep* Alfred Scott McLaren,2021-05-25 Conveys in dramatic detail the high risk covert operations of a nuclear attack submarine during the zenith of the Cold War Captain Alfred Scott McLaren served as commander of the USS Queenfish SSN 651 from September 1969 to May 1973 the very height of the Cold War As commander McLaren led at least six major clandestine operations including the first ever exploration of the entire Siberian Continental Shelf a perilous voyage detailed in his previous book Unknown Waters *Emergency Deep* Cold War Missions of a Submarine Commander conveys the entire spectrum of Captain McLaren s experiences commanding the USS Queenfish mainly in the waters of the Russian Far East and also off Vietnam McLaren offers a riveting and deeply human story that illuminates the intensity and pressures of commanding a nuclear attack submarine in some of the most difficult circumstances imaginable Relying on his own notes and records as well as discussions with former officers and shipmates McLaren focuses on operational matters both great and small He recounts his unique perspectives on attack submarine tactics and exploratory techniques in high risk or uncharted areas matters of leadership and team building and the morale of his crews and the innumerable and often unforeseen ways his philosophy of command played out on a day to day basis with consequences that ran the gamut from the mundane to the dire and life threatening Readers are also treated to significant new information and insight on submarine strategy maneuvers and culture Such details illuminate and bring to life with both great humor and gravitas the intensity and pressures on those engaged in covert missions on nuclear attack submarines     *The Arctic Frontier* Ronald St. John MacDonald,1966-12-15 The idea of the Arctic Ocean as a mediterranean sea is a shock to those of us and that includes most of us who cannot shake ourselves free of the Mercatorean vision Yet this theme is repeated by many of the eminent contributors to this volume as Michael Marsden states IT is difficult to impress upon the public and industry at large that the most essential quality of the Arctic is not cold or gold or polar bears but a central position in the world community This book then is about the North as a frontier and about Canada s relations with the world beyond that frontier It is about the Arctic community of which Canada is one of the major members along with the Soviet Union the United States Denmark Iceland and Norway It is also an exercise in perspective Canadians have long been aware of the significance of their Atlantic and Pacific frontiers and of the

implications of their Southern frontier This volume points out that Canada is not a three sided country While it does not neglect the military importance of the Arctic it endeavours to widen the scope of interest But it does not present the familiar arguments about the surpassing importance of the Arctic It deflates as well as inflates Its purpose is to assess as precisely as possible the implications of the Arctic frontier not to induce either visions or nightmares It is intended not only for Canadians but for all those who are interested in the polar regions or in the shape of the world at large The papers in this volume were assembled in collaboration by the Canadian Institute of International Affairs and the Arctic Institute of North America

Direction ,1965

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## **Table of Contents Seadragon Northwest Under The Ice**

1. Understanding the eBook Seadragon Northwest Under The Ice
  - The Rise of Digital Reading Seadragon Northwest Under The Ice
  - Advantages of eBooks Over Traditional Books
2. Identifying Seadragon Northwest Under The Ice
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Seadragon Northwest Under The Ice
  - User-Friendly Interface
4. Exploring eBook Recommendations from Seadragon Northwest Under The Ice
  - Personalized Recommendations
  - Seadragon Northwest Under The Ice User Reviews and Ratings
  - Seadragon Northwest Under The Ice and Bestseller Lists



5. Accessing Seadragon Northwest Under The Ice Free and Paid eBooks
  - Seadragon Northwest Under The Ice Public Domain eBooks
  - Seadragon Northwest Under The Ice eBook Subscription Services
  - Seadragon Northwest Under The Ice Budget-Friendly Options
6. Navigating Seadragon Northwest Under The Ice eBook Formats
  - ePub, PDF, MOBI, and More
  - Seadragon Northwest Under The Ice Compatibility with Devices
  - Seadragon Northwest Under The Ice Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Seadragon Northwest Under The Ice
  - Highlighting and Note-Taking Seadragon Northwest Under The Ice
  - Interactive Elements Seadragon Northwest Under The Ice
8. Staying Engaged with Seadragon Northwest Under The Ice
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Seadragon Northwest Under The Ice
9. Balancing eBooks and Physical Books Seadragon Northwest Under The Ice
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Seadragon Northwest Under The Ice
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Seadragon Northwest Under The Ice
  - Setting Reading Goals Seadragon Northwest Under The Ice
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Seadragon Northwest Under The Ice
  - Fact-Checking eBook Content of Seadragon Northwest Under The Ice
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

### **14. Embracing eBook Trends**

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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