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The History of the British 'U' Class Submarine Apr 13 2023 Originally designed in 1934 for anti-submarine training, by the end of the war 72 U-Class subs had been commissioned; 17 were lost to the enemy, and 3 in accidents. Manned by crews from seven nations' navies, they served worldwide, and never more successfully than in the Mediterranean. This book is the definitive study of this class of submarine and the men who serve on them.

The Collins Class Submarine Story Jul 12 2020 A unique and outstanding military and industrial achievement, the Collins class submarine project was also plagued with difficulties and mired in politics. Its story is one of heroes and villains, grand passions, intrigue, lies, spies and backstabbing. It is as well a story of enormous commitment and resolve to achieve what many thought impossible. The building of these submarines was Australia's largest, most expensive and most controversial military project. From initiation in the 1981-2 budget to the delivery of the last submarine in 2003, the total cost was in excess of six billion dollars. Over 130 key players were interviewed for this book, and the Australian Defence Department allowed access to its classified archives and the Australian Navy archives. Vividly illustrated with photographs from the collections of the Royal Australian Navy and ASC Pty Ltd, The Collins Class Submarine Story: Steel, Spies and Spin, first
published in 2008, is a riveting and accessibly written chronicle of a grand-scale quest for excellence.

**The Fleet Type Submarine Main Propulsion Diesels Manual**

Jun 03 2022 Originally printed in 1946, The Fleet Type Submarine series of technical manuals remains unparalleled. Contained in its pages are descriptions of every operating component aboard a fleet boat. Main Propulsion Diesels examines the submarine's power plant in detail, from starting and control systems to fuel and exhaust, and cooling and lubrication systems. Originally classified ¿Restricted¿, this book was recently declassified and is here reprinted in book form. Some illustrations have been slightly reformatted, and color plates are reproduced in black and white. Care has been taken to preserve the integrity of the text.

X.1 May 14 2023 The X stood for experimental, but it might equally have meant extraordinary, exotic or extravagant, as this giant submarine attracted superlatives ¿ the world¿s largest, most heavily armed, and deepest diving submersible of the day. X.1 was a controversial project conceived behind the backs of the politicians, and would remain an unwanted stepchild. As British diplomats at the Washington naval conference were trying to outlaw the use of submarines as commerce raiders, the Admiralty was designing and building the world¿s most powerful corsair submarine, to destroy single-handed entire convoys of merchant ships. This book explores the historical background to submarine cruisers, the personalities involved in X.1¿s design and service, the spy drama surrounding her launch, the treason trial of a leading RN submarine commander, the ship¿s chequered career, and her political demise. Despite real technical successes, she would finally fall foul of ¿black propaganda¿, aimed at persuading foreign naval powers that the cruiser submarine did not work; even today uninformed opinion repeats the myth of her failure. However, it was

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completely ignored by other navies, who went on building submarine cruisers of their own, some larger than, but none so sophisticated as, X.1. The book analyses in detail the submarine cruisers built by the US Navy, the French and the Japanese, plus the projected German copy of X.1, the Type XI U-Boat, paying belated tribute to the real importance of the mysterious X.1.

*Aircraft and Submarines* Jan 18 2021 DigiCat Publishing presents to you this special edition of "Aircraft and Submarines" (The Story of the Invention, Development, and Present-Day Uses of War's Newest Weapons) by Willis J. Abbot. DigiCat Publishing considers every written word to be a legacy of humankind. Every DigiCat book has been carefully reproduced for republishing in a new modern format. The books are available in print, as well as ebooks. DigiCat hopes you will treat this work with the acknowledgment and passion it deserves as a classic of world literature.

*Few Survived* May 10 2020 A revised edition of an account of peacetime submarine disasters from 1774 to the present day, previously published in 1991. Examines the development of the submarine from experimental stages in the late 18th century to the present day, and provides details of all disasters ever reported.

*The Submarine* Apr 01 2022

**The Submarine** Dec 29 2021 This ¿Basic Enlisted Submarine Text¿ was originally published by the U.S. Navy in 1963. A revision of ¿The Fleet Type Submarine¿, a basic reference book for the crews of WWII-era fleet boats, this book also includes information about nuclear propulsion ¿ with the USS Skipjack, SS(N)585 used for illustrative purposes. The book contains a brief history of the submarine, and features numerous diagrams and photographs. It offers definitions of submarine components and terminology, and provides technical descriptions of various machinery and sub-systems such as the snorkel, ballast tanks, ventilation, trim and steering.

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Disasters of the Deep Jan 10 2023 The comprehensive reference to peacetime submarine disasters, updated with now-declassified Cold War events, the Kursk tragedy, and more. This is the fully revised and updated edition of the first comprehensive account of every peacetime submarine disaster from 1774 to the twenty-first century tragedy of the Kursk. By examining many of the sinkings in considerable detail, analyzing what went wrong, and describing the attempts made to rescue the crew and the vessel, Edwyn Gray traces the development of the submarine from the earliest experimental submersibles of the late eighteenth century to the nuclear-powered monsters of today. The appendices include the most comprehensive and accurate list of submarine disasters ever printed, in the compilation of which the author has had the cooperation of the US, French, Italian, Danish, and Japanese navies, as well as the RN Submarine Museum and the German U-Boat Archive. “An invaluable reference book for naval historians and also a most fascinating read for the layman.” —Journal of Military and Veterans’ Health Published in a previous edition as Few Survived Hitler's Attack U-Boats Jan 30 2022 “A definitive introduction by a highly recognized authority who writes beautifully and clearly.” —Naval Historical Foundation The fact that German submarines almost managed to cut off Britain’s vital imports during the First World War hadn’t been forgotten by Hitler—and when, in 1935, he repudiated the Treaty of Versailles, Britain, magnanimously, signed an Anglo-German Naval Agreement. This allowed the Germans to build their submarine strength up to one third of the Royal Navy’s tonnage. When war broke out in 1939, German U-boats went quickly into action, but with only four years of production and development, the main armament of these submarines was considerably weaker than equivalent boats in other navies and many other features, such as living conditions, were also significantly inferior. Yet, the German U-boat onslaught against British merchant ships in autumn 1940 was highly successful because the attacks were made on the clahrc-cp.nihr.ac.uk
surface at night and from such close range that a single torpedo would sink a ship. Soon, though, Allied technology was able to detect U-boats at night, and new convoy techniques, combined with powerfully armed, fast modern aircraft searching the seas, meant that by 1941 it was clear that Germany was losing the war at sea. Something had to be done. The new generation of attack U-boats that had been introduced since Hitler came to power needed urgent improvement. This is the story of the Types II, VII, and IX that had already become the ‘workhorse’ of the Kriegsmarine’s submarine fleet and continued to put out to sea to attack Allied shipping right up to the end of the war. The Type II was a small coastal boat that struggled to reach the Atlantic; the Type VII was perfectly at home there, but lacked the technology to tackle well protected convoys; while the Type IX was a long-range variety modified so it could operate in the Indian Ocean. This book by the renowned Kriegsmarine historian explores these attack U-boats at length, including details of their armament, capabilities, and crew facilities; the story of their development and operational history; and just what it was like to operate such a vessel.

**Submarines** Mar 08 2020 Examines the functions and design features of modern submarines, both conventional diesel-powered and nuclear, and focuses on such warfare aspects as tactics, missiles, and torpedoes.

**Diesels for the First Stealth Weapon** Jul 16 2023

*Silent Service* Oct 27 2021 See the secret and dangerous world of submarine life and warfare like never before. From the ingenious but impractical designs of seventeenth-century inventors through the nuclear-powered submarines of today, this heavily illustrated volume traces the history of the silent force and the elite corps of men who fought and often died beneath the waves. Though fully describing the development of the submarine, this book’s main focus is on the men who served from

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World War I through the Cold War. Drawing upon journals, memoirs, and interviews with submariners of the past and present, Philip Kaplan paints a vivid portrait of their lives and experiences. He describes the terrors of waiting for depth charges to explode and the triumph of a torpedo striking its target, as well as the fascinating world of day-to-day life on the sleek, modern boats. With nearly 250 photographs and dozens of interviews—and comprising part of an eight-book series exploring the history of tanks, bombers, and fighter planes—this oversized keepsake volume will appeal to anyone who has served in submarines or been fascinated by this unique service within a service. Skyhorse Publishing, as well as our Arcade imprint, are proud to publish a broad range of books for readers interested in history—books about World War II, the Third Reich, Hitler and his henchmen, the JFK assassination, conspiracies, the American Civil War, the American Revolution, gladiators, Vikings, ancient Rome, medieval times, the old West, and much more. While not every title we publish becomes a New York Times bestseller or a national bestseller, we are committed to books on subjects that are sometimes overlooked and to authors whose work might not otherwise find a home.

**K Boats** Nov 08 2022 The twin-funnelled K Boat was the biggest, fastest submarine of World War I. It suffered a series of accidents from the day trials began. This documentary answers questions about the numerous accidents, had while reconstructing the best concealed debacle in British naval history.

**An Annotated Bibliography of Submarine Technical Literature, 1557 to 1953** Nov 27 2021

**The Silent Service in World War II** Mar 20 2021 Originally published by the U.S. Navy in 1946, The Fleet Type Submarine uses the USS Perch SS313 to explain operating principles, technologies, and systems. It contains numerous diagrams and photos and offers definitions of components and

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terminology. It provides descriptions of various systems such as ballast tanks, trim, ventilation and steering. It also contains a brief history of the submarine and a discussion of patrol routines. This is the most complete technical guide to the boats that won WWII in the Pacific. Nothing close to it was ever assembled before, or since. Periscopemfilm.com's affordable reprint comes in a soft bound edition with attractive covers. Although some of the book has been reformatted, and color images are reproduced in black and white, all of the original content is preserved. (A color supplement is also available). This is a must-have for anyone interested in submarines and an important reference for any historian, docent, or modeler.

**British Submarines in the Cold War Era** Oct 15 2020 The first comprehensive technical history on the subject, with photos: “A must-read for all professionals, designers and scholars of modern submarines.” —Australian Naval Institute

The Royal Navy’s greatest contribution to the Allied success in World War II was undoubtedly the defeat of the U-boat menace in the North Atlantic, a victory on which all other European campaigns depended. The underwater threat was the most serious naval challenge of the war, so it was not surprising that captured German submarine technology became the focus of attention for the British submarine service after 1945. It was quick to test and adopt the schnorkel, streamlining, homing torpedoes, and, less successfully, hydrogen-peroxide propulsion. Furthermore, in the course of the long Atlantic battle, the Royal Navy had become the world’s most effective anti-submarine force and was able to utilize this expertise to improve the efficiency of its own submarines. However, in 1945 German submarine technology had also fallen into the hands of the Soviet Union—and as the Cold War developed it became clear that a growing Russian submarine fleet would pose a new threat. Britain had to go to the US for its first nuclear propulsion technology, but the Royal Navy introduced the silencing technique that made

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British and US nuclear submarines viable anti-submarine assets, and it pioneered in the use of passive—silent—sonars in that role. Nuclear power also changed the role of some British submarines, which replaced bombers as the core element of British Cold War and post-Cold War nuclear deterrence. As in other books in this series, this one shows how a combination of evolving strategic and tactical requirements and new technology produced successive types of submarines. It is based largely on unpublished and previously classified official documentation, and to the extent allowed by security restrictions, also tells the operational story—HMS Conqueror is still the only nuclear submarine to have sunk a warship in combat, but there are many lesser-known aspects of British submarine operations in the postwar era.

Emergency and Continuous Exposure Guidance Levels for Selected Submarine Contaminants Apr 08 2020 U.S. Navy personnel who work on submarines are in an enclosed and isolated environment for days or weeks at a time when at sea. Unlike a typical work environment, they are potentially exposed to air contaminants 24 hours a day. To protect workers from potential adverse health effects due to those conditions, the U.S. Navy has established exposure guidance levels for a number of contaminants. The Navy asked a subcommittee of the National Research Council (NRC) to review, and develop when necessary, exposure guidance levels for 10 contaminants. Overall, the subcommittee found the values proposed by the Navy to be suitable for protecting human health. For a few chemicals, the committee proposed levels that were lower than those proposed by the Navy. In conducting its evaluation, the subcommittee found that there is little exposure data available on the submarine environment and echoed a previous recommendation from an earlier NRC report to conduct monitoring that would provide a complete analysis of submarine air and data on exposure of personnel to contaminants.

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Submarines Jun 15 2023 This book introduces readers to the underwater world of submarines, showing them how these amazing watercraft have used stealthy secret attacks throughout history to revolutionize ocean warfare. Vibrant images and detailed diagrams of submarines from the U.S., Britain, Russia, and Germany are featured, from U-boats of the early 20th century to today’s fastest and most powerful nuclear submarines. Readers will see firsthand how developments in technology have allowed submarines to patrol at greater and greater depths undetected. Vivid visuals and comprehensive text are combined to present a high-interest take on both STEM and social studies curricula.

The Story of Great Inventions Apr 20 2021 "The purpose of this book is to tell in simple language how our great inventions came into being, to depict the life-struggles of the men who made them, and, in the telling of the story, to explain the working of the inventions in a way the boy can understand. The stories which are here woven together present the great epochs in the history of physics, and are intended to give to the young reader a connected view of the way in which our great inventions have arisen out of scientific discovery on the one hand, and conditions which we may call social and economic on the other hand. If the book shall appeal to young readers, and lead them to an appreciation of the meaning of a great invention, the author will feel that his purpose has been achieved." -Introduction

Secrets of the Submarine Feb 11 2023 A brief but comprehensive summary of the characteristics of the submarine of the day, its limitations and possibilities.

The Submarine NAVPERS 16160-B GUPPY Edition Jun 22 2021 The Submarine, Navpers 16160-B, is a revision of the classic WWII submarine training book, The Fleet Type Submarine, that was issued in 1961. In the post-war period, the United States developed the GUPPY class submarines,
and this book uses the USS Becuna (SS-319) to acquaint crews with the design. GUPPY was an extensive conversion program that saw WWII-era boats modified with the snorkel, greater battery capacity, and a more streamlined hull. The book offers definitions of submarine components and terminology, and provides technical descriptions of various machinery and sub-systems such as the snorkel, ballast tanks, ventilation, trim and steering. Originally classified "Restricted", this book was recently declassified and is here reprinted in book form. Some illustrations have been slightly reformatted, and color plates are reproduced in black and white. Care has been taken to preserve the integrity of the text.

**Submarines** Jun 10 2020

**Submarines and Other Underwater Craft** Aug 05 2022 Describes the development and design refinements of submarines, the different types, and their uses in such activities as deep sea exploration and treasure hunting. Also discusses life aboard a submarine.

**Inside Submarines** Oct 07 2022 Believe it or not, submarines date back to the seventeenth century! Discover how they developed from early designs such as the one-person Turtle into streamlined, stealthy warships. Along the way, you'll look right inside a German U-boat, find out how a sub dives and surfaces, and see sonar systems and video periscopes at work. From torpedoes to nuclear reactors, learn how submarine technology and strategy have changed throughout military history, and experience life under the waves.

**The Story Of Our Submarines** May 22 2021 “The Royal Navy & the Submersible War 1914-1918 - Fighting and combating the undersea war The author of this book has given his readers an overview of the British submarine and anti-submarine effort during the Great War principally by describing incidents that took place involving the sailors and airmen involved. His interesting narrative is full of
descriptions of vessels and aeroplanes, but particularly benefits from the inclusion of many first hand reports by the men who served in the battleships, fast patrol vessels, armed trawlers and flying boats engaged in this comparatively new kind of warfare. This book is an essential addition to the library of those interested in the First World War at sea.”-Leonaur Print Version.

The Submarine Jul 04 2022

The Submarine in War and Peace: Its Development and its Possibilities Nov 15 2020 "The Submarine in War and Peace: Its Development and its Possibilities" by Simon Lake. Published by Good Press. Good Press publishes a wide range of titles that encompasses every genre. From well-known classics & literary fiction and non-fiction to forgotten—or yet undiscovered gems—of world literature, we issue the books that need to be read. Each Good Press edition has been meticulously edited and formatted to boost readability for all e-readers and devices. Our goal is to produce eBooks that are user-friendly and accessible to everyone in a high-quality digital format.

The Submarine Torpedo Boat, Its Characteristics and Modern Development Feb 16 2021

The Boys' Book of Submarines Dec 09 2022 "Indeed, so wonderful is the submarine and so great are her possibilities that you should by all means know exactly how she is made and works, as well as her torpedoes. The easiest and certainly the most interesting way to find out about these things is to read this book and then build a model submarine and torpedoes according to the simple directions we have given."--Page viii.

Electric Boat Corporation Sep 06 2022 Electric Boat Corporation has been a world leader in submarine development, design, and construction for more than a century. In 1900, the company delivered the Holland, the first submarine accepted by the United States Navy. Fifty-five years later, it turned fantasy into fact by sending the world’s first nuclear-powered ship, the submarine Nautilus,
off on its maiden voyage. It later built the world’s first ballistic missile–firing submarine, the George Washington, and most of the nation’s current underseas fleet. Between those years, it pioneered standardized construction of merchant ships, submarine chasers, torpedo boats, and yachts and also produced airplanes, fishing trawlers, diesel engines, and electric motors. This collection of more than 200 archival photographs traces the company’s sometimes roller-coaster existence through 10 historic decades when America—and Electric Boat Corporation—grew into an industrial giant. It is an engaging collective portrait of American ingenuity, know-how, and persistence driving technology to new heights.

**US Nuclear Submarines** Aug 13 2020 The adoption of nuclear power revolutionized submarine design and means that vessels can stay underwater for months, trailing the enemy or training weapons on land targets from secret positions, “always there, never seen.” Jim Christley, a former submariner, explores here the influence of Admiral Hyman Rickover in cautiously introducing these stealthy machines of war, and frankly discusses the power and perils of using nuclear reactors at sea. Using unique and detailed artwork, he outlines the many evolving aspects of design within the submarine classes, from the very first nuclear submarine, USS Nautilus, to the classes under construction even now.

**Supersize Cross Sections: Inside Engines** Feb 28 2022 Get ready for a journey quite unlike any other as you explore 15 of the most awesome supersize cross sections! See inside a submarine, dive below the decks of a tall ship, take a tour inside a tank, explore a zeppelin and step on board a space station. Each spread features a different and exciting machine and gives you the inside story on these fantastic creations. Journey across continents and over centuries to learn all about mechanics of these amazing cross sections. With bite-sized captions and cutaway diagrams, prepare yourself to
go beneath the surface with incredible supersize cross sections.

A World War Two Submarine Dec 17 2020
Text and cutaway illustrations depict how the crew lived beneath the ocean in a submarine during World War II and how they waged war on the ships above.

Submarine Electrical Installations May 02 2022
Originally printed in 1946, The Fleet Type Submarine series of technical manuals remains unparalleled. Contained in its pages and those of the companion texts are descriptions of every operating component aboard a fleet boat. Electrical Installations, Navpers 16162, was originally written to acquaint submarine crews with the theory, operation, and construction of the components of the electrical installations. It especially emphasizes maintenance features and methods. Featuring explanatory text and numerous, detailed diagrams, the book is a wonderful reference for the museum docent, researcher, or anyone who ever wondered ¿how the heck does that work?¿ Originally classified ¿Restricted¿, this book was recently declassified and is here reprinted in book form. Some illustrations have been slightly reformatted, and color plates are reproduced in black and white. Care has been taken to preserve the integrity of the text.

The Submarine Pioneers Sep 25 2021
This witty and perceptive account of the early years of submarine development contains much new material and the lives of the forgotten pioneers of submarines. It includes many wonderful inventions and even more colourful inventors, but focuses primarily on John Philip Holland, the Irish-American genius who took submarine development out of the hands of lunatics and visionaries and turned it into a deadly weapon of war.

Sea Devils Mar 12 2023
Sea Devils is a compelling account of pioneer submariners and their astonishing underwater contraptions. Some made perilous voyages. Others sank like stones. Craft were propelled by muscle-power or had steam engines with chimneys. Some had wheels to trundle
along the seabed. Others were used as underwater aircraft carriers. Here John Swinfield traces the history of early submarines and the personalities who built and sailed them. From a plethora of madcap inventors emerged a bizarre machine that navies of the world reluctantly acquired but viewed with distaste. It matured into a weapon that would usurp the mighty battleship, which had for centuries enjoyed an unchallenged command of the oceans. In its long and perilous history the submarine became subject to fierce business, military and political shenanigans. It won eventual acceptance amidst the chaos and carnage of the First World War, in which pathfinder submariners achieved an extraordinarily high tally of five Victoria Crosses, Britain's highest military decoration. Sea Devils brims with daring characters and their unflinching determination to make hazardous underwater voyages: an immensely readable, entertaining and authoritative chronicle of low cunning, high politics, wondrous heroism and appalling tragedy.

The Submarine in the United States Navy Sep 13 2020

Submarines Aug 25 2021 Discusses the history of submarines, how they operate, and their possible future as explorers rather than war machines.

Basic Enlisted Submarine Text Jul 24 2021