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The Fleet Type Submarine Main Propulsion Diesels Manual The Development of the Submarine Diesel Engine Early Submarine Engine Development X.1 Submarine Hydraulic Systems The Submarine The Submarine Plant Operation aboard a WWII Submarine The Submarine An Annotated Bibliography of Submarine Technical Literature, 1557 to 1953 Basic Enlisted Submarine Text The Submarine NAVPERS 16160-B GUPPY Edition Secrets of the Submarine The Submarine in War and Peace: Its Development and its Possibilities The Collins Class Submarine Story Sea Devils The German Submarine War 1914-1918 Anti-Submarine Warfare in World War I The History of the British 'U' Class Submarine Submarine Electrical Installations Electric Boat Corporation Submarine Medicine Practice Model submarines Submarine Operational Effectiveness in the 20th Century The Submarine Pioneers The History of the Submarine from the Beginning until WWI US Nuclear Submarines Engineering Few Survived The Story Of Our Submarines Anti-Submarine Warfare Active Control of Engine Vibrations in a Collins Class Submarine Worldwide Submarine Challenges Submarine Yards, Howaldtswerke A.G., Hamburg, Germany Emergency and Continuous Exposure Guidance Levels for Selected Submarine Contaminants Bulletin No. 1[-3]: (May 1, 1918) The enemy submarine. Comp. by the Naval consulting board and War committee of technical societies from information already published and other recently released Around the World by Stirling Engine Technology and Industrial Growth in Pre-War Japan:The Mitsubishi-Nagasaki Shipyard 1884-1934 The Engineer The Silent Service in World War II

Emergency and Continuous Exposure Guidance Levels for

Selected Submarine Contaminants Mar 21 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.

The Collins Class Submarine Story Dec 10 2021 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 Story Of Our Submarines Aug 26 2020 "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.

Bulletin No. 1[-3]: (May 1, 1918) The enemy submarine. Comp. by the Naval consulting board and War committee of technical societies from information already published and other recently released Feb 18 2020

Active Control of Engine Vibrations in a Collins Class Submarine Jun 23 2020

Submarine Medicine Practice May 03 2021 The purpose of this text is to present a comprehensive guide which can be utilized for training and indoctrinating regular and reserve Medical Department personnel with the many intricate problems connectd with submarine medicine practice.

Sea Devils Nov 09 2021 *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.

Early Submarine Engine Development Dec 22 2022

The Fleet Type Submarine Main Propulsion Diesels Manual Feb 24 2023 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.

Engineering Oct 28 2020

Submarine Hydraulic Systems Oct 20 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. *Hydraulic Systems, Navpers 16169*, describes the system that powers the submarine's steering mechanism and diving planes. It is also a richly-illustrated textbook that discusses hydraulic forces and their methods of employment. It includes a detailed description of the operation, installation, and repair of various parts, and outlines common problems and remedies. 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 NAVPERS 16160-B GUPPY Edition Mar 13 2022 *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.

Basic Enlisted Submarine Text Apr 14 2022

Submarine Operational Effectiveness in the 20th Century Mar 01 2021

The submarine emerged as a serious weapons system during the First World War (1914 - 1918). During that conflict Germany with its unrestricted submarine warfare campaign of 1917 nearly drove Great Britain to the negotiating table. Its U-boats sank 6,196 ships of 13,438,632 gross register tons. Despite post-war attempts to ban the submarine from warfare, it survived. Both Italy and Germany used submarines, covertly, during the Spanish Civil War (1936 - 1939). This book, Part Two of a series, discusses the use of submarines during World War Two (1939 - 1945) and their effectiveness. It focuses principally on two strategic submarine campaigns. The first is about German U-boats against British and neutral commerce. That campaign finally failed during the Battle of The Atlantic in 1943. The second deals with American submarines against Japanese shipping from Southeast Asia to the home islands, a campaign that successfully isolated Japan from its sources of raw materials and foodstuffs during 1944 and effectively defeated Japan.

The Submarine Jun 16 2022 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.

Anti-Submarine Warfare Jul 25 2020 A deep dive into the tactics and technology used to defend against submarines—from the opening of the First World War through World War II and beyond. The submarine was undoubtedly the most potent purely naval weapon of the twentieth century. In two world wars, enemy underwater campaigns were very nearly successful in thwarting Allied hopes of victory—indeed, annihilation of Japanese shipping by US Navy submarines is an indicator of what might have been. That the submarine was usually defeated is a hugely important story in naval history, yet this is the first book to treat the subject as a whole in a readable and accessible manner. It concerns individual heroism and devotion to duty, but also ingenuity, technical advances and originality of tactical thought. What developed was an endless battle between forces above and below the surface, where a successful innovation by one side eventually produces a countermeasure by the other in a lethal struggle for supremacy. Development was not a straight line: wrong ideas and assumptions led to defeat and disaster.

"Iconography (with dozens of photographs and often large-format diagrams), a vast bibliography and a complete and documented general approach make this volume a work of great quality and of great interest for all enthusiasts and scholars of this very interesting subject."—*Storia Militare* "The modeller will not only find the text engaging but there is a superb collection of photographs and illustrations which of course include submarines, corvettes and destroyers. Subjects which the modeller increasingly appreciates. Highly recommended."—*Model Boats*

Electric Boat Corporation Jun 04 2021 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.

Technology and Industrial Growth in Pre-War Japan: The

Mitsubishi-Nagasaki Shipyard 1884-1934 Dec 18 2019 This book aims to discredit the myth that has the 'unique cultural traits' of the Japanese as the key to the country's success, arguing that the more realisable foundation of long-term investment in training and research is responsible. The book looks at the development of Japan in the pre-War

period. Yukiko Fukusaku sees the achievements of this period as central to the present competitiveness of the country's industrial technology. She uses the Mitsubishi Nagasaki shipyard as a case study, looking at technological innovation and training as the keys to long-term stability and economic success. The book has implications for industrial development worldwide. Japan's starting point over a century ago was similar to the present conditions of many developing countries and the book's emphasis on the acquisition of better skills as a key to development is as relevant to Europe and America as it is to the Third World.

Around the World by Stirling Engine Jan 19 2020

The History of the British 'U' Class Submarine Aug 06 2021 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 Development of the Submarine Diesel Engine Jan 23 2023

The Submarine Aug 18 2022

The Submarine Pioneers Jan 31 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.

Anti-Submarine Warfare in World War I Sep 07 2021 Investigating the employment of British aircraft against German submarines during the final years of the First World War, this new book places anti-submarine campaigns from the air in the wider history of the First World War. The Royal Naval Air Service invested heavily in aircraft of all types—aeroplanes, seaplanes, airships, and kite balloons—in order to counter the German U-boats. Under the Royal Air Force, the air campaign against U-boats continued uninterrupted. Aircraft bombed German U-boat bases in Flanders, conducted area and 'hunting' patrols around the coasts of Britain, and escorted merchant convoys to safety. Despite the fact that aircraft acting alone destroyed only one U-boat during the war, the overall contribution of naval aviation to foiling U-boat attacks was significant. Only five merchant vessels succumbed to submarine attack when convoyed by a combined air and surface escort during World War I. This book examines aircraft and weapons technology, aircrew training, and the aircraft production issues that shaped this campaign. Then, a close examination of anti-submarine operations—bombing, patrols, and escort—yields a significantly different judgment from existing interpretations of these operations. This study is the first to take an objective look at the writing and publication of the naval and air official histories as they told the story of naval aviation during the Great War. The author also examines the German view of aircraft effectiveness, through German actions, prisoner interrogations, official histories, and memoirs, to provide a comparative judgment. The conclusion closes with a brief narrative of post-war air anti-submarine developments and a summary of findings. Overall, the author concludes that despite the challenges of organization, training, and production the employment of aircraft against U-boats was largely successful during the Great War. This book will be of interest to historians of naval and air power history, as well as students of World War I and military history in general.

The Silent Service in World War II Oct 16 2019 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 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. Periscopefilm.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.

The History of the Submarine from the Beginning until WWI Dec 30 2020 Reprint of the original, first published in 1916.

US Nuclear Submarines Nov 28 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.

X.1 Nov 21 2022 The X.1 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 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.

The German Submarine War 1914-1918 Oct 08 2021 This account of the U-boat campaign in the World War I represents the official British history of the war against the German submarine attack on shipping. From a few fragile craft, the U-boats grew to become the greatest menace to Britain's survival.

Few Survived Sep 26 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 in War and Peace: Its Development and its Possibilities

Jan 11 2022 "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.

Submarine Electrical Installations Jul 05 2021 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.

Worldwide Submarine Challenges May 23 2020

Secrets of the Submarine Feb 12 2022 A brief but comprehensive summary of the characteristics of the submarine of the day, its limitations and possibilities.

Plant Operation aboard a WWII Submarine Jul 17 2022 While many submarine commanders have documented their experiences, they usually focus on their adventures instead of the technical aspects of their vessels. W.F. Danielson, P.E., clears the cobwebs that surround how submarines work in this technically-oriented book for engineers, scientists, and anyone eager to understand how these majestic vessels operate. After establishing some diesel submarine basics and equipment fundamentals, the book positions you as a crew member on watch. Depending on the situation, you'll take her up from the deep, drop off an underwater demolition team or coax another half-knot from a surfaced boat already delivering flank speed. Not everything always goes smoothly: You'll learn how to survive a fierce depth charge attack and hobble back home, how to break a nose-first freefall caused by jammed bow planes. If you've ever wondered about the technical aspects of maneuvering a submarine, then you'll treasure the detailed information in *Plant Operation Aboard a WWII Submarine*.

Submarine Yards, Howaldtswerke A.G., Hamburg, Germany Apr 21 2020

The Engineer Nov 16 2019

Model submarines Apr 02 2021 Model submarines exert a special fascination, just like their great prototypes. The technology used with its special features and special demands on accuracy make models of submarines a challenge for anyone who dares to replicate them. In this book, Günter Hensel describes the basics of submarine modelling and the special features that need to be taken into account. Different diving techniques are described as well as the special requirements for the construction and remote-control technology used. The presentation of different submarine models and their technology ranges from ready-made models to kits and the first plan constructions. This book gives you the basics for getting started in one of the most fascinating branches of model shipbuilding. From the content:

- The history of submarines - models and examples
- Diving techniques
- Construction techniques and materials
- Plastics - Laminating hulls
- Closing techniques
- Finished models
- Construction kits and conversions
- Plan buildings
- Remote control technology
- Operational safety
- Operation and suitable waters
- Model submarine meetings and clubs
- Underwater photography

The Submarine Sep 19 2022

An Annotated Bibliography of Submarine Technical Literature, 1557 to 1953 May 15 2022