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# Naval Institute Guide To World Naval Weapon Systems

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Anatomy of Failure  
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Principles of Naval Weapon Systems  
The Fifty-year War  
Navy Spouse's Guide  
The Naval Institute Guide to Combat Fleets of the  
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Command at Sea  
The Bluejackets' Manual  
The Naval Institute Guide to Combat Fleets of the  
World 2002-2003  
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The Naval Institute  
Guide to Combat Fleets  
of the World Naval  
Institute Press

New edition of a  
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afloat, coastal defense,  
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## **CHINESE NAVAL SHIPBUILDING**

Naval Institute Press  
This book covers the development of U.S. battleships, from the Maine and Texas of 1886, through the Montana class of World War II, up to the recommissioned Iowa.

It examines the original designs as well as the many modifications and reconstructions these ships underwent during their long and active careers. Like the other books in Norman Friedmans design-history series, U.S. Battleships is based largely on formerly classified internal U.S. Navy records. But research for this book has also included a full survey of British files, both those compiled when American ships served with the Royal Navy in the two world wars and those supplied by British battleship designers attached to the U.S. Navy. In addition, the author consulted official battle damage reports to help evaluate various designs.

## **Anatomy of Failure**

Naval Institute Press  
Hastily built at the onset of World War II to stop German U-boats from taking their toll on Allied shipping, the 110-foot wooden subchasers were the smallest commissioned warships in the U.S. Navy, yet they saw as much action as ships ten times their size. In every theater of war these “expendable” workhorses of the fleet escorted countless convoys of slow-moving ships through submarine-infested waters, conducted endless mind-numbing antisubmarine patrols, and were used in hundreds of amphibious operations. Some subchasers worked as gunboats to search for and destroy enemy barges. Others rescued downed airmen and retrieved

drowning soldiers under heavy enemy fire. During the German occupation of Norway, three American-built subchasers and their Norwegian crews came to be known as “The Shetlands Bus” for their clandestine work as ferries—the only link between Norway and the free world. This book, written by the commander of one of the subchasers, defines their place in naval history and gives readers a taste of life on board the wooden warships. Ringing with authenticity, it describes the cramped quarters and unforgiving seas as well as the tenacious courage and close bonds formed by the men as they sought out the enemy and confronted nature.

Long overshadowed by the larger, faster warships and more glamorous PT boats of World War II, subchasers have been mostly forgotten. This work restores the plucky little ships to their hard-earned status as significant members of the fleet.

### **COMBAT FLEETS OF THE WORLD, 1998-1999**

US Naval Institute Press

Covers the vital systems - sensors, fire control and tracking - that support naval weapons and often determine their effectiveness.

### **Principles of Naval Weapon Systems**

US Naval Institute Press

In the U.S. Navy, "Wheel Books" were once found in the uniform pockets of

every junior and many senior petty officers. Each small notebook was unique to the Sailor carrying it, but all had in common a collection of data and wisdom that the individual deemed useful in the effective execution of his or her duties. Often used as a substitute for experience among neophytes and as a portable library of reference information for more experienced personnel, those weathered pages contained everything from the time of the next tide, to leadership hints from a respected chief petty officer, to the color coding of the phone-and-distance line used in underway replenishments. In that same tradition, the new Naval Institute Wheel Books will

provide supplemental 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 will combine articles from the Institute's flagship publication *Proceedings*, selections from the oral history collection and from Naval Institute Press books to create unique guides on a wide array of fundamental professional subjects. Command is the pinnacle of leadership in a military organization. Navy regulations define both the authority and the responsibility of command as "absolute." This Naval Institute Wheel Book provides practical guidance and advice

that actual and would-be commanders can use to carry out that absolute authority. Included in this carefully selected collection is the experience of those who have commanded as well as the expectations of those who are commanded. Aspirants as well as practitioners will do well to exploit this selected survey of what Fleet Adm. Chester Nimitz described as the "one purpose" for entering the Navy. *The Fifty-year War* Naval Institute Press The torpedo was the greatest single game-changer in the history of naval warfare. For the first time it allowed any small, cheap torpedo-firing vessel to and by extension a small, minor navy to

threaten the largest and most powerful warships afloat. The Navy Spouse's Guide US Naval Institute Press

"This guide remains the only complete reference to the weapons currently in service in ships, submarines, and naval aircraft around the world. It is the only book of its type to explain the transformation of the U.S. Navy into a network-centric force, a transformation that has had immense consequences for choices of tactics, weapons, services, and the systems coordinating them. This guide also offers unparalleled coverage of the weapons, sensors, and command systems of the world's navies, both those the

U.S. Navy works with and those it may have to fight." "For the most complete and up-to-date information about weapons in every navy in the world, this is the essential resource - a work that, in effect, can serve as a textbook of modern naval technology."--BOOK JACKET.

The Naval Institute Guide to Combat Fleets of the World, 2005-2006 US Naval Institute Press Internationally acknowledged as the best one-volume reference to the world's naval and paranaul forces, this popular Naval Institute guide is both comprehensive and affordable. Updated biennially since 1976, it has come to be relied on for all-inclusive, accurate, and up-to-



date data on the ships, navies, coast guards, and naval aviation arms of more than 180 countries and territories. Large fleets and small maritime forces get equally thorough treatment as evidenced in this new edition, which highlights major and even minor developments that could have an impact on the world scene. A thorough indexing of material and a logical ship-typing system make the book easy to use and allow for quick comparisons between fleets. The guide continues to present timely, authoritative information supported by more than four thousand illustrations from correspondents throughout the world. From giant aircraft carriers and ballistic

missile submarines to tugboats and launches, the characteristics and capabilities of ships large and small are reliably recorded. Complete descriptions of naval aircraft, weapons, weapon systems, and sensors are also provided along with useful commentary on organization, personnel strengths, and bases. **Command at Sea** US Naval Institute Press The 40mm Bofors Gun, first produced in the 1930s, has become one of the most famous artillery pieces of all time. It shows no sign of fading from the defence scene even though, in the second decade of the twenty-first century, it performs in many roles that were not contemplated by its original designers. It

has also proved to be so versatile that it is now allied to electronic and other technological marvels that were mere pipe dreams only a few years ago. When the Bofors entered the international defence market, its primary quarry, the military aircraft, was still a slow and fragile machine that could be terminally damaged by a single hit from a 40mm projectile. Terry Gander describes this early period in the gun's development and he shows how, despite recent increases in target speed and other performance parameters, it can still inflict a one-hit kill on almost any aircraft, helicopter or guided missile. Perhaps the most astonishing aspect of the story is that the fundamentals

of today's Bofors guns remain virtually unchanged from the very first examples to come off the Karlskoga production line in Sweden. In all its forms, the Bofors continues to be a sound, reliable and lethal piece of military hardware that has given good service to gunners all over the world. Terry Gander's comprehensive account of the history of this remarkable weapon over the course of almost eighty years is fascinating reading and an invaluable work of reference for military historians and artillery specialists alike. It is the definitive work in the field. As featured on BBC Radio Guernsey.

*The Bluejackets' Manual* US Naval

Institute Press  
Naval officers and enlisted personnel undergo extensive training to cope with the special demands of their duties at sea and ashore, but what about their spouses and children? This practical, one-of-a-kind guide fills the gap by helping families navigate the unique challenges of Navy life. Personal, friendly, and easy to use, this updated edition of the original 1997 guide is based on interviews with Navy spouses and a lifetime of lessons learned by the author as a Navy junior and wife of a career naval officer. Using an array of hard-to-find diagrams, charts, facts, and figures from a wide variety of sources, Laura Stavridis explains every aspect

of Navy life in a frank, open discussion. The particulars of pay, living expenses, travel, children, emergencies, support groups, and social life, as well as medical, legal, and educational issues are described in an interesting, spouse-to-spouse format. Readers learn what to expect with regard to separation, homecomings, life overseas, shore duty, marital dynamics, and divorce. Also covered are such vital topics as military careers, spousal careers, reenlistment, retirement, and transition to civilian life. Useful phone numbers, checklists, glossary, and an up-to-date primer on the Navy's organization, ships and aircraft, and chain of command

complete this unique reference. New to this second edition are discussions of e-mail communication, Internet resources, and spouse leadership roles within the Navy. For anyone starting out or contemplating life with a mate in the sea services this one-volume source of user-friendly information will prove invaluable.

**The Naval Institute Guide to Combat Fleets of the World 2002-2003** Naval Inst Press

Fully illustrated, this reference is compiled from a series of confidential books produced by British Intelligence during World War I.

**STRIKE WARFARE IN THE 21ST CENTURY**

US Naval Institute Press

The Naval Institute Guide to World Naval Weapons Systems US Naval Institute Press

**THE NAVAL INSTITUTE GUIDE TO WORLD NAVAL WEAPONS SYSTEMS 1994 UPDATE**

Naval Institute Press  
A smash bestseller that spent over six months on the New York Times bestseller list, *Flight of the Intruder* became an instant classic. No one before or since ever captured the world of Navy carrier pilots with the gripping realism of Vietnam veteran Stephen Coonts, who lived the life he wrote about. More than a flying story, *Flight of the Intruder* is also one of the best novels ever written about the Vietnam experience. It's all here—the flying, the dying, the blood

and bombs and bullets,  
and the sheer joy—and  
terror—of life at full  
throttle.

"Gripping...Smashing.

—The Wall Street  
Journal Grazing the  
Vietnam treetops at  
night at just under the  
speed of sound, A-6

Intruder pilot Jake  
"Cool Hand" Grafton  
knows exactly how  
precarious life is.

Landing on a heaving  
aircraft carrier,  
dodging missiles  
locked on his fighter,  
flying through clouds of  
flak—he knows each  
flight could be his last.  
Yet he straps himself  
into a cockpit every  
day.

"Extraordinary!"—Tom  
Clancy Then a bullet  
kills his bombardier  
while they're hitting  
another 'suspected'  
truck depot. Jake  
wonders what his  
friend died for—and

why? Hitting pointless  
targets selected by  
men piloting desks just  
doesn't make sense.

Maybe it's time to do  
something worthwhile.  
Something that will  
make a difference...

"Superbly written." —  
Washington Times Jake  
and his new  
bombardier, ice-cold  
Tiger Cole, are going to  
pick their own target  
and hit the enemy  
where it hurts. But to  
get there and back in  
one piece is going to  
take a lot of nerve,  
even more skill, and an  
incredible amount of  
raw courage. Before  
it's over, they're going  
to fly into hell. "When  
Grafton is at the  
controls of his Intruder,  
the novel comes alive  
with a jolt." —  
Washington Post Book  
World

*The Naval Institute  
Guide to Combat Fleets*

*of the World 1993*  
University of Chicago  
Press

This text is a radically original history of the entire Cold War, making sense of one of the most complex and fascinating epochs of world history.

*The Naval Institute Guide to Combat Fleets of the World 1998-1999* Pen and Sword

Military ways are quite enigmatic, resulting in an alien world where acronyms often replace words and where “1330” is a time of day. Add to that, the Navy is not only military, it is nautical, which means that centuries of sea-going terminology and practices are added to the confusion. While the young men and women who sign on to become Sailors in the

United States Navy receive extensive indoctrination and training, their parents do not. As their sons and daughters are becoming uniformed, the parents soon find themselves rapidly becoming uninformed. This book serves as the antidote to that debilitating disease of “uninformativity.” In these pages parents will find many of the mysteries of the Navy explained. It is both a translation guide—helping parents to understand the many new terms they will be hearing—and also a cultural guide, an explanation of their son’s or daughter’s chosen new world that includes high standards and a level of dedication not found in most walks of life. Alongside chapters covering uniforms,

ranks, ships, and aircraft, parents will find explanations and guidance as to what to expect when their child first joins the Navy, the many benefits their Sailor will enjoy, and what parents should bring and do when visiting their Sailors in their new and somewhat alien world. Derived from another Naval Institute Press book by the same author, *The Citizen's Guide to the U.S. Navy*, this informative book is a highly accessible guide that explains the strange ways of the Navy in terms that non-Sailors can understand. In nine short chapters, the author reveals such things as the many titles that military people have, the various alphanumeric designations that

military personnel use to identify and distinguish themselves, the organization of the Navy and the Department of Defense, the origins and practices of such things as saluting, flag etiquette, side boys, and odd language (such as "aye-aye"), and an explanation of the many missions of the Navy. Also included is a primer on the various ships and aircraft that make up today's fleet, a guide to "reading" a uniform, and the demystification of such things as the phonetic alphabet and military time. Designed to be an easy read for those who want the whole story, *The Parent's Guide to the Navy* is also a useful reference work, easily "navigated" to find needed information.

While parents need not be experts on the Navy, there is a middle ground that this book serves by providing a readable, edifying, and often entertaining explanation of this important but sometimes mysterious branch of the U.S. armed forces.

**A Great and Rising Nation** US Naval Institute Press

This work features the fresh thinking of twenty-eight leading authors from a variety of military and national security disciplines. Following an introduction by Lt. Gen. James Dubik, Commander I Corps, U.S. Army, the anthology first considers the general question of whether there is a distinctly American way of war. Dr. Colin Gray's

opening essay "The American Way of War: Critique and Implications" provides a state of the question perspective. Sections on operational art, with writers addressing the issues in both conventional and small wars; stability and reconstruction; and intelligence complete the volume. Among the well-known contributors are Robert Scales, Mary Kaldor, Ralph Peters, Jon Sumida, Grant Hammond, Milan Vego, and T.X. Hammes. The anthology is part of a larger Rethinking the Principles project, sponsored by the Office of Force Transformation and the U.S. Navy to examine approaches to the future of warfare. Footnotes, index, and a bibliographic essay



make the work a useful tool for students of war and general readers alike.

*The Naval Institute Guide to World Naval Weapons Systems*  
Naval Inst Press

The German Navy, both before the War and throughout the years of fighting, was heavily outnumbered by the navies of Great Britain and the United States; nonetheless, it proved to be serious thorn in the sides of its adversaries. The U-boat war in the North Atlantic threatened the very liberation of Europe, while the major warships posed a constant threat to the Allied shipping lanes. This important reference book is an indispensable guide to the ships, organisation, command and rank structure, and leaders

of the Kriegsmarine, and helps explain why it was such a potent force. A detailed text, augmented by photos, maps and diagrams, studies the German Navy from the Treaty of Versailles to the collapse of the U-boat offensive and the demise of the Third Reich. After covering the background organisation and naval bases, the author gives detailed descriptions of all the classes of ship from the battleships to motor torpedo boats and minesweepers. The officers and sailors are covered along with their uniforms and awards and insignia. Biographies of notable personalities and a chronology of the main naval events are included, as well as appendices and a select bibliography.

Based on the author's 1979 title *The German Navy in World War Two*, this is a classic work of reference for a new generation of readers.

*THE NAVAL INSTITUTE GUIDE TO COMBAT FLEETS OF THE WORLD 2002-2003: THEIR SHIPS, AIRCRAFT, AND SYSTEMS*. Naval

Institute Press

This textbook is intended to serve as an introduction to the underlying science and engineering of weapons used in the naval service. The philosophy used in the material selected for this text is that individual weapons come and go, but the principles of their operation largely remain the same. Some subjects are covered in greater detail than needed for

an introductory course to allow this text to serve as a basic reference to take into professional life. The text was written to be inclusive of all college majors; as such a conscious effort was made when possible to apply algebra, geometry, trigonometry, and avoid calculus.

Therefore, many of the equations derived are 1st order, and provide approximations that are sufficient to illustrate the relative performance parameters of variables used in weapon system design. These same theories and principles can then be applied to actual sensors and weapons using operational parameters and specifications determined from

technical manuals and warfare publications. Material has been drawn from previous texts of the same title that have explained the principles for the last 40 years. Much of the work can be traced to the work completed by the Bureau of Naval Weapons in the 1960's. It was updated and expanded in the 1980's version and incorporated in this text. In some cases, principles of systems that the U.S. Navy no

longer uses are described in a belief that sometimes it is good to know where you have been to know where you are going. In addition, many countries and organizations still employ some of these lower technology systems. Therefore, it is necessary to understand their basic capabilities. With advent of new technologies and methods, this text will require periodic updating.

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