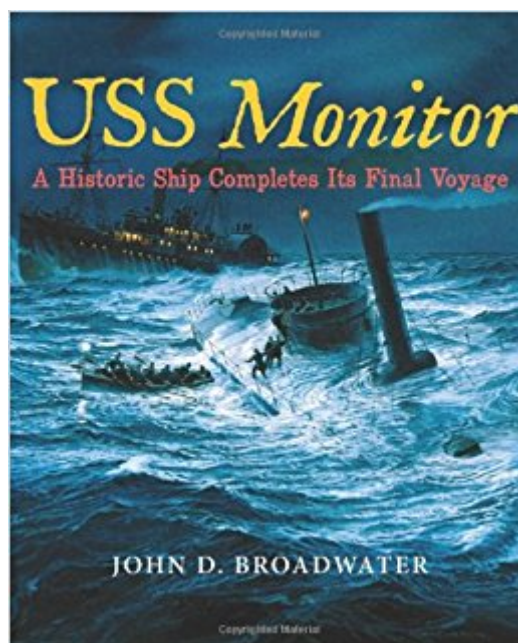




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# USS Monitor: A Historic Ship Completes Its Final Voyage (Ed Rachal Foundation Nautical Archaeology Series)



## Synopsis

A hundred and fifty years ago, naval warfare entered a new phase with the introduction of ironclad vessels. On March 9, 1862, the USS Monitor, prototype of this new class of warships, fought the Confederate ironclad CSS Virginia at Hampton Roads, Virginia, after the Virginia had ravaged the Union fleet blockading the James River, sinking larger, seemingly more powerful wooden warships in a potent demonstration of the power of an armored, heavily-gunned, steam-powered warship. In the world's first clash between iron-armored warships, Monitor and Virginia exchanged gunfire at close range for nearly four hours. Neither inflicted serious damage on the other. While a technical stalemate, the events at Hampton Roads changed naval warfare forever. In the United States and abroad, iron and steam would soon replace wood and sail for warship construction. Less than nine months later, the now-famous Monitor was under tow, heading south to Beaufort, North Carolina, when she sank in heavy seas, with substantial loss of life. Monitor was a total and irretrievable loss; even the location of her final resting place became a mystery. Not until 1973 was the inverted hull located, and in 1974 excavation of the wreck began, under the auspices of the National Oceanic and Atmospheric Administration in partnership with the US Navy. The decision to place the Monitor in a protected zone—a national marine sanctuary—marked another historic first for the vessel. The story of this decision, the raising of the turret, and the subsequent management of the historic resource adds another layer of history to the Monitor's fascinating story. Sidebars in the book flesh out details and add anecdotal color to the story of Monitor and of the efforts to preserve and interpret the site. Lavish illustrations (photographs, site drawings, and artifact sketches) complement the informative and highly readable account by the archaeologist who planned and directed the major expeditions that resulted in recovery of many of the Monitor's most significant objects, as well as the remains of two Union soldiers who were only recently interred in Arlington National Cemetery, more than 150 years after their deaths.

## Book Information

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## Customer Reviews

â œThis handsome tabletop volume is loaded with well-executed images and maps. Numerous sidebars amplify the readerâ™s understanding of this historical ship. A large bibliography is helpful for those who want more information. Scholars will find Broadwaterâ™s book to be among the standard works on the life and times of the worldâ™s first built-for-the-purpose ironclad ship. For enthusiasts of marine archeology, naval history, and the Civil War, the book is a must-have . . . it will be of significant interest for general readers interested in historical action stories.â •Â Â â "Naval History"

Distinguished underwater archaeologist John Broadwater has created a definitive account of the resurrection of the warship that forever changed naval combat. He describes in fascinating detail the discovery and raising of the USS Monitor's evolutionary revolving turret and its unique steam engine. Broadwater leaves no artifact unstudied, not mystery unsolved. This is a drama as intriguing as it is spellbinding."--Clive Cussler, underwater explorer and author of the ongoing Dirk Pitt series (Clive Cussler 2012-05-31)"An important account of the Monitor's excavation and recovery by theÂ archaeologist who led the efforts...A memoir of discovery and recovery, and the creation of a sanctuary. Broadwater's account is authoritative...An invaluable account of the Monitor's recent history...There have been many expeditions to the Monitor site, with many differing technologies and objectives. Broadwater puts them into sequence and perspective as no one else can." --David A. Mindell, Professor of the History of Engineering and Manufacturing, MIT (David A. Mindell Professor of the History of Engineering and Manufacturing, MIT 2011-10-26)"USS Monitor is possibly the most widely recognized warship in naval history. Impact of Monitor's engagement with CSS Virginia at Hampton Roads, Virginia in March 1862 was felt around the world. The history of Ericsson's celebrated "Cheese Box on a Raft" ended on 31 December 1862 when the ship was lost off Cape Hatteras, North Carolina. New chapters in the ironclad's history began to unfold in 1973 when wreckage of the historic vessel was discovered off Cape Hatteras, North Carolina. Each new chapter attracted international attention as archaeological investigation of the wreck progressed to include recovery of significant technological elements of design and construction that made Monitor

unique. Today at the Mariner's Museum, not far from Hampton Roads where the Monitor made history, the ship's machinery, turret, ordnance and an extraordinary collection of artifacts are accessible to the public. While Monitor's story is not yet complete, Dr. John Broadwater has brought it up to date. No one could be more qualified to make that contribution. He has been intimately involved in research at the site since the first archaeological investigation of the wreck in 1974 and has directed each of the recovery projects undertaken by the National Oceanographic and Atmospheric Administration. His first hand knowledge and experience brings each new chapter in Monitor's modern history to life. It will be an exciting read for anyone interested in underwater archaeology, submerged cultural resource management, the technology applied to recovery operations and the ship that dramatically changed naval history."--Gordon P. Watts, Director of the Institute for International Maritime Research (Gordon P. Watts Director of the Institute for International Maritime Research 2011-10-26)"lush, photo-laden volume" (Steve Goddard History Wire 2012-04-09)â œBroadwater takes the reader along on the last leg of Monitorâ ™s journey from warship to shipwreck to National Marine Sanctuary and museum exhibit. Broadwater produces a history and a memoir that is a fitting final tribute to Monitorâ ™s place in American naval history and in our shared maritime heritage. In fact, perhaps the most significant contribution of this volume is the sharing of Broadwaterâ ™s very personal connection with USS Monitor. The first-person style enables Broadwater to reveal to each reader his thoughts, fears, revelations, humour, growing understanding, and sense of wonder regarding this most meaningful of shipwrecks. Sidebars present relevant nuggets of information and additional facts, while lavish and colourful photographs, illustrations and tables make the book as suitable for the coffee table as for the library. USS Monitor: A Historic Ship Completes Its Final Voyage is an interesting and illuminating read.â •â "The Northern Mariner/Le marin du nord (Della Scott-Ireton The Northern Mariner/Le marin du nord 2012-12-19)"This handsome tabletop volume is loaded with well-executed images and maps. Numerous sidebars amplify the reader's understanding of this historical ship. A large bibliography is helpful for those who want more information. Scholars will find Broadwater's book to be among the standard works on the life and times of the world's first build-for-the-purpose ironclad ship. For enthusiasts of marine archeology, naval history, and the Civil War, the book is a must-have . . . it will be of significant interest for general readers interested in historical action stories."--Naval History (Captain Don Walsh United States Naval Institute 2013-01-18)â œIn this book John Broadwater presents a vivid and comprehensive account of the USS Monitor project. In exhibiting considerable skill as a story teller, John Broadwater succeeds admirably in presenting this work to a general readership. Permeating the whole operation is the career of one of the most acclaimed maritime

archaeologists and ubiquitous flag-bearer for the United Statesâ™ cultural-resource-management movement in the modern era, John D. Broadwater. Broadwater certainly achieves his aims via an attractive and well-written work that is primarily designed for general readership as it permeates the bookshops during the 150th anniversary years of the vesselâ™s launch and loss. Ordinary Americans will certainly enjoy the work and Civil War buffs will find it entertaining and of value. Apart from the general interest in the Monitor story, this work is important for todayâ™s practitioners and students of maritime archaeology, especially those working in the once remote field of deep-water survey and deep-water archaeological method. Throughout the work the extent and complexity of the equipment, support vessels, service personnel and the size of funding attests to the importance of this wreck to the American people as a whole. Hundreds of other names and many institutions are mentioned in a similarly generous way and by this means Broadwater solves the problem all of us face over how properly to credit those who have assisted, provided their expertise or proved valuable in so many ways to a complex archaeological programme.â•

•â Michael McCarthy, International Journal of Nautical Archaeology (Michael McCarthy International Journal of Nautical Archaeology 2013-03-12)

•â (Lieutenant Commander Thomas J. Cutler, US Navy (retired) Notable Naval Books of 2012 2013-06-20)"USS Monitor . . . can't be beat."--Hans Konrad Van Tilburg, NOAA coordinator, Oprah Magazine (Hans Konrad Van Tilburg Oprah Magazine 2013-06-25)

•â null (Jonathan Newell Blue & Gray Magazine 2013-07-02)"Broadwater's volume is intended for a wide audience and it will interest many, archaeologists, historians, and the public. Broadwater succeeds on all counts. This material [dive training, hull stabilization, artefact conservation] is presented both in the text and with the use of relevant and interesting sidebars. The volume is lavishly illustrated with photographs that span from the 1970s to modern times. The strength of the book is that Broadwater answers questions that both archaeologists and the public have asked."--John R. Bratten, International Journal of Maritime History (John R. Bratten International Journal of Maritime History 2013-07-22)

•â œThe work reads like a National Geographic special, but provides much more detail and focus on the project during the many expeditions over nearly forty years. This book will be most useful professionally to management strategists and those focused on methodology. This book is an excellent and informative companion to the Marinersâ™ Museum exhibit, providing an enduring encapsulation of its creation which will last for visitors and enthusiasts long after the museum visit ends or the last page turns.â•

•â Betsy Stables, East Carolina University, Nautical Research Journal (Betsy Stables Nautical Research Journal 2014-04-10)

John D. Broadwater recently retired from the National Oceanic and Atmospheric Administrationâ™s

Office of National Marine Sanctuaries, where he had served as chief archaeologist. He has contributed chapters in several books and for more than a dozen years was manager of the Monitor National Marine Sanctuary, where he directed seven major expeditions to the remains of the Civil War ironclad warship. He holds a PhD in marine studies from the University of St. Andrews. He lives in Williamsburg, Virginia.

Dr. Broadwater is the best man to tell the tale of the Monitor's recovery and restoration. He was NOAA's "man on the scene".

History buffs, professionals and interested layman can find their intellectual needs satisfied in this volume. The author's deep involvement is evident from the analytic descriptions of each phase of the project including the stabilization and display of the USS Monitor. The chapter by chapter sequence from what is presumed to have happened in 1862 through the final chapter in Monitor's life are well described in a clear, concise manner. The involvement of organizations including the US Navy gives credit to the importance of this wreck in US History and the subsequent technological developments resulting in the modern navies of the world. The cultural, bureaucratic and technological problems are well presented for an interesting narrative of how to fund, coordinate and accomplish the goals of a complex project through time.

A classic.

Love this submarine book! Beautiful pictures and great information. Found this book to be very helpful in writing a paper on submarines in the Civil War.

I would very much recommend this seller since this book was received on time and the book was very interesting to me, I learned a lot from this book since I am a Civil War buff.

I heard John Broadwater speak about this book and the work to recover parts of the Monitor from the Ocean.

On December 31, 1862 while under tow in a gale off Cape Hatteras, USS Monitor sank. The Monitor had been in service for only ten months and yet in that brief time had revolutionized naval warfare. The wreck of the Monitor was finally located in August of 1973. In his book, USS Monitor "A

Historic Ship Completes Its Final Voyage, John Broadwater tells the remarkable story of the ship and of the dedicated teams of archeologists, historians, divers and engineers who worked over the last forty years to preserve the ship and to rescue what could be saved from the wreck. Broadwater is uniquely qualified to tell the story of the USS Monitor ship that changed everything. He was the only person involved in the Monitor from the discovery of the wreck in 1973 through preservation, management and the recovery of the portions of the ship being preserved ashore today. He recently retired from the National Oceanographic and Atmospheric Administration's Office of National Marine Sanctuaries, where he served as chief archaeologist. It is difficult to overstate the importance of the USS Monitor. The Federal Navy had nothing that would be able to stop the Confederate ironclad, CSS Virginia, built from the hull and machinery of the ex-steam frigate, USS Merrimack. Only the genius of the Swedish engineer and inventor John Ericson, who delivered the radical USS Monitor in just over 100 days, stopped the Confederate monster. The battle between USS Monitor and CSS Virginia ended in a draw, and yet the four hour slugging match between the two ironclads on March 9, 1861, made all the wooden navies in the world instantly obsolete. USS Monitor – A Historic Ship Completes Its Final Voyage tells the story of the revolutionary ship, from its conception, to its preservation over 150 years later. The account is big, sweeping and complex – part history, part mystery, and part high adventure, as well as being a major engineering and organizational puzzle to be solved. Broadwater does a fine job in presenting the story in manageable portions without overwhelming the reader. Initially, the book alternates between the history of the ship in 1861 and the discovery of the wreck site in 1973. Then, the book settles into an alternating pattern of descriptions of the planning and organizing for each major dive season, followed by fascinating and often harrowing descriptions of the challenges of diving on the wreck, 240 feet underwater, off the treacherous Cape Hatteras coast. The book is beautifully illustrated, and replete with photographs and interesting sidebars, detailing various aspects of the history, discovery and preservation of the ship. USS Monitor – A Historic Ship Completes Its Final Voyage is a fascinating story, well told, of a ship that changed history and of those who worked long and diligently to preserve her. Highly recommended.

I just finished reading this Monitor book. It's beautiful in illustration and layout. So well written and the story of recovery gripping! Congratulations to Broadwater on a job very well done.

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