



The CDSG Newsletter



The Coast Defense Study Group, Inc. — Fall 2021



Chairman's Message

Robert Grimm

I would like to take this opportunity to introduce myself. I was elected chairman of the CDSG board in line with the long-standing policy of the senior board member being the chairman. As a child my family took many vacations to Galveston and I spent time in one of the AMTB mounts at Fort San Jacinto and looking at the casemates of Battery Hoskins long before the hotel was built on top of them. And then almost 35 years later I found the CDSG to explain what I was looking at. I have been a member for 15 years and made it to most of the conferences during those years.

We held our delayed 2021 Charleston/Savannah conference the middle of October. Thank you, Gary Alexander, for putting it all together. It was great seeing folks again. Most people have no knowledge of coast defense but with some coaching might recall that the first shots of the Civil War were fired in Charleston and we saw those locations. There is a report on the conference in this newsletter. We visited some sites along with CAMP - the Council on America's Military Past. They also attended some of our evening presentations. While coast defense is a small part of CAMP's purview, we also found a group with an even more limited focus than CDSG. There was a group of Harley-Davidson riders touring forts along the southeast Atlantic coast. Hopefully we can see folks from both groups in the future.

The annual meeting was held during the conference and there is a detailed report of the meeting in the newsletter. Just a couple points. Dues will remain the same for 2022 but will probably go up five dollars for 2023. Financially we are doing well but the CDSG Fund may be asked for some large contributions in the coming year and we can only give what we have, so any donations are welcome. The CDSG website was updated but with ever changing technology that will be an ongoing process. Anyone who can help can contact the Board of Directors or Mark Berhow.

See you in New Orleans.

* * * * *

Annual CDSG Worker's Dinner

Terry McGovern

The 25th annual CDSG Worker's Dinner was held in the Board Room of the Double Tree Hotel in Mt. Pleasant, SC, as part of the 2021 CDSG Annual Conference. This annual event is sponsored by the CDSG Fund to thank CDSG members for volunteering their time during past year, which is vital to the operations of CDSG. Invited to the annual dinner were Mark Berhow (Publications, Press/ePress, Projects & Website, Fund), Bolling Smith (Publications), Ned Libby (Audit), Jon Prostack (Press), Tom Kavanagh (Membership & Promotion, Press), Gordon Bliss (Preservation

CDSG Meeting and Tour Calendar

Please advise Terry McGovern of any additions or changes at tcmcgovern@att.net

2022 CDSG Conference

March 23 - 27, 2022

New Orleans

Quentin Schillare, qschillare@kc.rr.com

2022 FSG - CDSG Special Tour

May 21/27 to May 31/June 7, 2022

Sweden

Terry McGovern, tcmcgovern@att.net

Lars Hansson, www.bunkertours.se

2023 CDSG Special Tour

September

Northern Poland

Terry McGovern, tcmcgovern@att.net

Other Meetings and Tours

April 10 - 23, 2022

ECCOFORT Study Tour

Morocco

Hans-Rudolf Neumann, hrv.neumannqt@online.de

April 23 - 30, 2022

Council on America's Military Past Conference

Galveston, Texas

Bridget Hart, bridgethshea@hotmail.com

April 26 - May 8, 2022

ECCOFORT Study Tour

Armenia

Hans-Rudolf Neumann, hrv.neumannqt@online.de

May 29-30, 2022

Assn Saint-Maurice d' Etudes Militaires Tour

Ticino & Lake Como

Pascal Bruchez, president@asmem.ch

June 2022

Association Vauban Annual Congress

Oliver Zauzig, president@interfest.de

August 27 - September 4, 2022

Kotor/Montenegro

ECCOFORT Study Tour & Seminar

Hans-Rudolf Neumann, hrv.neumannqt@online.de

September 23 - 25, 2022
Deutsche Gesellschaft für Festungsforschung Annual Meeting
Jülich, Germany
Andres Kupka, akupka@juelich.de

September 2022
Fortress Study Group Member Day/AGM
David Page, chairman@fsgfort.com

October 2022
International Fortress Council Annual Meeting
Jeroen v.d. Werf, secretariat@internationalfortresscouncil.org

April 2023
Morroco
ECCOFORT Study Tour
Hans-Rudolf Neumann, hrv.neumannqt@online.de

September 2023
Deutsche Gesellschaft für Festungsforschung Annual Meeting
Kufstein, Austria
Andres Kupka, akupka@juelich.de

September 2023
Amsterdam or Rome
ECCOFORT Study Tour
Hans-Rudolf Neumann, hrv.neumannqt@online.de

& Interpretation), Norman Scarpulla (Representative & Outreach), Quentin Schillare (Membership & Promotion, Fund), Gary Alexander (Conference), Terry McGovern (Fund, Finance & Corporate, Press/ePress, Tour), and Tom Batha (Press). Also invited were the current CDSG directors (Robert Grimm, Steve Waldron, and Norm Scarpulla) and our surviving founder (Glen Williford). The CDSG Fund encourages members to volunteer their time in the coming year so we can invite them to next year's Worker's Dinner.

* * * * *

2021 Annual Business Meeting Thursday, October 14th

Terry McGovern – Secretary/Treasurer

The CDSG Board of Directors conducted the CDSG Annual Business Meeting at the Double Tree by Hilton Charleston/Mount Pleasant, located at 1330 Stuart Engals Blvd., Mount Pleasant, SC 29464, after the Annual CDSG Banquet (a great southern barbecue meal!). The CDSG Business Meeting consists of the chairman's report and then reports of each of the standing committees' activities over the past year. This is the opportunity for the membership to interact directly with the board of directors and the committee members to ask questions or get information. As a member, please consider attending in the future.

The CDSG Annual Business Meeting begun around 8 pm on October 14, 2021. There were approximately 60 members and guests in attendance. The 2021-2022 Board of Directors are Robert Grimm, Steve Waldron, and Norm Scarpulla. Opening remarks and conference thanks to Gary Alexander were given by Chairman of the Board Robert Grimm, who then introduced the reports from the various committees. Updates on these committees' annual activities will be provided in upcoming issues of the newsletter.

Membership Chairman Quentin Schillare noted that we currently have 418 members. Preservation and Interpretation Chairman Gordon Bliss noted the ongoing threats to fortifications sites. He reminded members that he can only respond to developing events if he is notified by observant members. Site Representative and Outreach Chairman Norman Scarpulla was not at the annual meeting, but Terry McGovern made a separate report the day

before for him and noted that Norm has regional representatives in place to cover the US, but the CDSG is still looking for site representatives to regularly make contact with any and all coast artillery sites. It would be greatly appreciated if site visit reports, long or short, could be provided on a regular basis. Publications Committee member Mark Berhow noted while the CDSG has a nice backlog of articles for the CD Journal, new authors are still needed. Treasurer Terry McGovern noted that the CDSG finances are in great shape and we are sustainable, keeping the annual dues the same as last year even with the increase in postal costs (\$45 per domestic member). (Note: The Board of Directors approved dues for 2021 of \$45.00 at the October 24 quarterly board meeting). The CDSG Fund Trustees reported that donations in 2020 were at an all-time high of over \$9k. They reminded the members that the CDSG Fund will be sending out a year-end appeal will allow us to match last year's giving. The CDSG Fund has provided funding for the Fort Fremont structural engineering study during 2021. The CDSG fund is seeking grant proposals. The CDSG Press published a new work on the WW2 harbor defenses of San Diego and is hoping to add a new seacoast fort guidebook title next year. Projects Chairman Mark Berhow notes that the website is running smoothly but is seeking someone to take over management of the website and our social media. He is willing to work with a volunteer over the next year. The Nominations Committee is seeking members to volunteer to run for a term on the Board of Directors starting in October 2022. Nominations Chairman Richard Wong urged members to come forward to volunteer and learn more about how the organization runs.

The Board of Directors discussed plans for future conferences and tours. 2022 Annual Conference Chairman Quentin Schillare provided a separate presentation on the plans for our conference to the defenses of New Orleans. Originally scheduled for 2020, this conference was postponed due to COVID-19 until March 23 to 27, 2022. Members should keep in mind that this conference is only 6 months away (please refer to the conference registration flyer attached to this newsletter). Plans for our 2023 Conference were discussed. The leading candidate is Portland, Maine, though no conference chairman has yet volunteered to lead this annual event. Looking to the 2024 annual conference, the Board of Directors would like to hold the annual conference following the cycle started in 1985. This would have the CDSG

holding its annual conference at the defenses of San Francisco or Boston, while Tampa Bay/Key West and Long Island Sound have been left behind for now. Key to future conferences is having a conference chairman step forward to organize the conference. Please consider organizing an annual conference committee for one of these harbor defenses.

The CDSG is moving ahead with a special tour to the defenses of Sweden (May 27 to June 5, 2022) which overlaps with the Fortress Study Group's tour to Sweden and Denmark. We are looking for about 15 members to attend this tour. We already have eight paid tour members, so we are still seeking additional tour members (A special tour flyer is attached to the newsletter). Possible future special tours are to Poland's coast defenses and the harbor defenses of Puerto Rico & the Virgin Islands.

One special event held during the annual business meeting was the display of the flag of MG Joseph A. Green, the last chief of coast artillery, which was donated to the CDSG by David Kirchner. Members had an opportunity to view, touch, and photograph this unique flag. Please see the separate article in the newsletter about this flag. The CDSG Annual Meeting adjourned about 9 pm with a final thanks to Gary Alexander and his committee for organizing an excellent annual conference.

* * * * *

2021 Year-end Donation Appeal for the CDSG Fund

The CDSG Fund Trustees (Terry McGovern, Quentin Schillare, and Mark Berhow)

As you know, the CDSG Fund supports the efforts of the Coast Defense Study Group by raising funds for preservation and interpretation of American seacoast defenses. The CDSG Fund is seeking year-end 2021 donations from our members to fund projects that support our organization's goals. We have agreed to fund several projects in keeping with our goals and we have a list of potential projects which we may fund in the coming year, if we receive enough donations from our members. Several of these projects call for large amount of funds to complete, so we need larger donations from our membership to meet these needs. Projects that the CDSG Board of Directors has already agreed to fund (and for which we have funds on hand) are:

Restoration Supplies for Battery Guenther at Fort Canby, WA – Mark Berhow - up to \$2,500 – Waiting on USCG approval to continue the clean-up of the mortar battery by Aaron Buda, the CDSG Representative for Columbia River. We hope that more work is done on this special mortar battery so we need to reserve these funds for these efforts.

USS Iowa Veterans Association 16-inch/50 Barrel Project – Terry McGovern - The Fund challenged our members to give up to \$5,000. The US Navy has accepted the display of the barrel at JEB Fort Story at Cape Henry, but the USS Iowa Veterans Association needs to raise the total funds needed for the movement and display (\$125k). Our members have the Trustee's challenge and have given \$10,000 towards this project, so with the CDSG Fund matching at \$5,000, we now have \$15,000 committed to this project. We are seeking more donations for this project as they need \$85,000 to complete the project.

The CDSG Fund have been approached for possible grants for the following projects, but we need to raise more funds before we can consider these requests, as well as to have a formal written request to the CDSG Fund Trustees so they can make a recommendation about these requests to the CDSG Board.

Fort Michie, Great Gull Island, NY – Chris Zeeman – Stabilizations of WWII fire control tower due to rusting steel supports and spalled concrete. We are working with Margaret Rubega through the AMNH to hire a structural engineer to design a stabilization plan for the tower. The structural assessment is now done, but raising funds to pay a contractor to install supports is still required. We have only a small window of time to do this work, as gaining water access to Great Gull Island is not easy in the months outside the tern nesting season (April to September), so current fundraising is essential.

Fort Wool, Rip Raps, Hampton, VA – Mike Cobb – Stabilization of 3rd System Casemates and WWII Battery Commander's Tower – This project is on hold as the City of Hampton has not renewed its lease for this island fort from the Commonwealth of Virginia. The Department of Conservation and Recreation and Department of Wildlife Resources now control the island and they have converted it to a seasonal nesting habitat for seabirds. They have determined the dock and the historic structures are unsafe and have banned the public from visiting. The remaining 3rd System fort casemates continue to settle and the masonry is cracking with concerns about collapse.

Mike is trying use wooden shoring to support the casemates. The WWII battery commanders tower (the only standing tower remaining in the USA) is in need of stabilization, especially on the "station" portion, where only two steel supports carry the weight of the cement roof. Mike has been using car jacks to try to support the roof but the whole roof is leaning due to the weight. There is a real possibility that the tower may topple if these roof supports give way. The Coalition for Historic Fort Wool has donated \$5,000 to the CDSG Fund to pay for engineering assessment of the historic structures that make up Fort Wool. A construction proposal to repair the BC tower has been received with a current cost of \$88k. The coalition will try to get the Commonwealth to fund these repairs, but may need fundraising to pay for these repairs.

Fort Mills, Corregidor Island, Philippines – Terry McGovern - Fort Monroe Authority (FMA) and Corregidor Foundation (CFI) – Movement and display of a 12-inch M1895 barrel from "Bottomside" on Corregidor to Battery Parrott at Fort Monroe, VA – cost estimate not known at this time – The CFI has agreed to give this 12-inch M1895 barrel to FMA for display on a cradle at Battery Parrott (same type of barrel that was used on the disappearing carriage). Challenges will be gaining approval from other Philippine government agencies, especially the Ministry of National Defense, to export this barrel and raising the funds to move the barrel (it is 38 feet long and weighs 60 tons) from Corregidor to Manila to ship via break-bulk to Newport News, VA. Part of Battery Parrott would become a display on the functioning of the battery and a display on the military history of Corregidor. This project will require political, logistical, and fundraising expertise.

The CDSG Fund can only fund these possible projects by receiving your donations; without your donations we cannot approve these projects. Please consider donating when paying your membership dues for 2022. Please remember that your donations are tax-deductible for federal tax purposes as the CDSG is a 501(c)(3) organization, and 100% of your gift will go to the projects that are requesting grants.

Contributions are acknowledged annually. Make checks or money orders payable in US funds to: the CDSG Fund. Donations can also be made by credit card or PayPal via the CDSG website at www.cdsg.org. Send donations to: CDSG Fund c/o Quentin Schillare, 24624 W. 96th Street, Lenexa, KS 66227-7285 USA or use your credit card on the www.cdsg.org website. Consider combining your membership dues with your CDSG Fund donation this year.

Attention – We have just added the CDSG Fund to the AmazonSmiles program, where Amazon will donate 0.05 percent of your purchases to the CDSG Fund if you make the CDSG Fund (<https://smile.amazon.com/ch/52-1698506>) your default charity in their system. Please do so today.

* * * * *

The Flag of the Chief of Coast Artillery

David Kirchner

For about 45 years, I have been the custodian of the flag of the chief of coast artillery. It is now time for the flag to be put in the custody of an institution that will ensure that it is respectfully cared for hereafter. This note provides background information on the flag, explaining how it came about that the flag is now upside down, an indication of distress, and the transfer from me to the CDSG representative at the Army Navy Club in Washington, in a brief ceremony.



The position of the chief of coast artillery was discontinued at noon on 9 March 1942. By that date, most of the former members of the Office of the CCA had moved to new jobs in the General Staff. The war was going badly, and all the officers were hard at work in their new roles. The last CCA, MG Joseph A. Green, invited all former members of the OCCA who could break away briefly from their new assignments to a small ceremony in the OCCA, at 11:30 on 9 March.

The tale was told to me by E. R. Lewis, who devoted a year in the early 1960s to researching in Washington the history of the CAC, resulting in his book, *The Seacoast Defenses of the United*

States, which remains the classic on the subject. Lewis was well received by the numerous former members of the OCCA whom he located, at least one of whom attended the 9 March ceremony and not only told Lewis about the ceremony, but also gave him the flag, which he had taken from the disestablished OCCA. About 20 years later Lewis put the flag into my care.

Lewis said that after raising a coffee cup to the corps and offering a toast, Green called the small group to attention. About 11:59, he ordered the senior enlisted man of the office staff to become the flag bearer. He gave the order “Present Arms.” All saluted. The flag bearer lifted the flag vertically, in ceremonial fashion, and brought it down smartly to the horizontal. The chief untied the strap holding the top of the flag to the staff, inverted the flag, and re-tied it in the upside-down position, where it is today.

As the clock’s second hand swept past noon, the chief ordered “Order Arms,” and the flag bearer raised the flag to its usual vertical position. The chief ordered “Secure the Flag” and the bearer placed it into its holder. The chief then ordered “Carry On!” and that was the end of the role of the chief of coast artillery in the US Army.

No one should be surprised that Green set up a historical event of this nature – a ceremony amid tumultuous times, marking the passing of a significant element of the army. He was highly conscious of the historical aspect of the army as an institution. An illustration has to do with the planning for the Seacoast Defense Program of 1940. Planning for that huge program was being carried out mainly by a group of fewer than a dozen officers from the OCCA and the CA Board. This staff group needed no special title, but Green designated it as the “Board of Review of 1940,” in homage to the War Department Board of Review of 1915, which had planned the previous major coast defense program, 25 years earlier.

For more information, see “Flags for the Coast Artillery” by Bolling W. Smith, *CDSG Journal*, Vol. 10, Issue 2 (May 1996) pp. 85-91 (excerpted in *American Seacoast Defenses, a Reference Guide*). Background on the events and documents leading to the modernization of the seacoast defenses in 1940-45, including details on the “Board of Review of 1940,” are slated for an upcoming issue of the *Coast Defense Journal*.

* * * * *

Gary Paliwoda 1953-2021

The Board of Directors has announced the sad news that Gary Paliwoda has passed away. Gary, an early member (No. 18), was one of our most dedicated CDSG members. He attended more CDSG conferences and tours than any other member, starting with St. Babs II in 1984 in New York. Gary did not miss one conference or tour since 1984, a total of 35 conferences and 18 tours, demonstrating his great interest in coast defense and fortifications in general. Gary will be missed and while he tended to be solitary person, members have many good memories of conferences and tours with him. Of particular interest was our farewell dinner on the Vladivostok Tour in 2002, taking on our tour guides with rounds of vodka shots and staying up with them.



Gary P. Paliwoda, 68, of Bloomfield, loving husband to Colleen (Drost) Paliwoda, passed away on Monday, August 9, 2021. Gary was born in New Britain, CT, on April 26, 1953, son of the late Henry and Mary (Wrobel) Paliwoda. Gary grew up in New Britain and graduated from New Britain High School. Gary went on and attended Central Connecticut State University, with a bachelor's degree in accounting. Gary's was employed as a controller for different manufacturing companies, including, Dunham-Bush Ltd., Industronics Service Co., and Steeltech Ltd., before his retirement in 2012. Gary had many enjoyments in life. He was a very involved member of the Coast Defense Study Group, traveling to different parts around the globe including the Philippines, France, Spain, Russia, and Panama to name a few. Fond of all aspects surrounding aviation and railroads, he enjoyed auto racing and was an avid New York Yankees fan. Gary lived his life to the fullest, and loved spending time with his wife and family, always taking the time to make sure they were cared for. Memorial donations in Gary's name may be made to the New England Air Museum, 36 Perimeter Rd., Windsor Locks, CT 06096.

* * * * *

St. Mary's – A Colonial Coast Defense Fort

Charles H. Bogart

While the general location of St. Mary's Fort near St. Mary's City, Maryland, has long been known, its exact location was unknown. This changed in early 2020 when the fort's location was discovered by a park archaeologist. The fort on the St. Mary's River was built in early 1634 by the first European settlers to reach the colony of Maryland. The fourth permanent settlement in the English colonies, it was built on land purchased from the Yaocomaco Indian tribe, and St. Mary's served as the first capital of Maryland. Today the city's remains are part of the St. Mary's National Historic Landmark Park.



Maryland's governor, Leonard Calvert, in a letter written on May 30, 1634, said of the fort, "We have seated ourselves within one half mile of the river within a palisade one hundred twenty yards square with four flanks, we have mounted one piece of ordnance and placed six murderers in parts most convenient, a fortification (we think) sufficient to defend against any such weak force as we have reason to expect here." St. Mary's Fort was abandoned in 1643 after only eight years of occupation, as the early colonists moved out to occupy farm land. Neither the crown nor the proprietors of the colony ever garrisoned St. Mary's Fort with paid soldiers.

For years, the traditional location of St. Mary's Fort has been near the St. Mary's River, even though Governor Calvert placed it some $\frac{1}{2}$ mile from the river. During 2019 and 2020, an area known as the Mill Field, located $\frac{1}{2}$ mile from the river, was investigated. Using ground penetrating radar, an area was found that had been enclosed by a vertical wooden post wall, 312 feet long by 168 feet wide. One corner of the wooden post wall line that faced the river had an earthen bastion suitable for mounting an artillery piece. Within the enclosed area of the fort, footprints of various 17th century buildings were found. One of the fort's long wooden walls backed up to a small stream, which from 17th century accounts was navigable by ship's boats. It thus appears that the fort was situated on a navigable stream that provided a means to bring supplies into the fort, gave it drinking water, and provided a barrier against attack. Erosion of the stream's banks has caused the loss of this wall.

A 2-hour video discussion on finding Fort St. Mary's can be found on <https://www.youtube.com> under "Unearthing St. Mary's Fort."





* * * * *

CDSG 2021 Annual Conference St. Babs XXXIX, After Action Report

Harbor Defenses of Charleston & Savannah

October 11 - 17, 2021

Mark Berhow

It has been a long year and half, with the COVID pandemic postponing our planned 2020 meeting to 2022 and delaying our 2021 meeting from its original April date to October. We managed to have a virtual meeting in November of 2020 to keep our schedule up to date. Finally, just under 60 attendees headed to the first conference hotel in Mount Pleasant, SC, to gather for the opening events on October 12. The meeting overlapped with that of CAMP, the Council on America's Military Past, whose members attended several evening talks and site visits.

Charleston, SC, has a long history of defensive fortifications. At the beginning of the American Revolution in 1775 it was the primary commercial port in the southern colonies and a key objective for British occupation. In early 1776, a fort of palmetto logs and sand was built and armed by the South Carolina militia on Sullivan's Island, overlooking the harbor entrance. The fort drove off an invading British fleet on June 28, 1776, an early Patriot victory. A renewed British effort to capture Charleston in April of 1780 bypassed Fort Moultrie by landing forces on the sea islands south of Charleston. After an overland march, the British laid siege to the city. On May 12, the Patriots surrendered, with over 2,500 prisoners.

Fort Moultrie was rebuilt in 1789 by the new United States Army, only to be destroyed by a hurricane in 1804. The third Fort Moultrie was completed under the Second System of fortifications in 1809 and though modified subsequently, remains generally intact to this day. Fort Sumter was constructed on a submerged shoal on the southern side of the harbor entrance beginning in 1829 as part of the Third System. By 1861 the fort was 90% complete, although only partially armed when it was fired upon on April 12, beginning the American Civil War. The small union garrison surrendered two days later. The masonry forts and an extensive system of earthen fortifications held the Confederate lines during Union siege that began in 1863 and only ended in February of 1865 with the Confederate evacuation of Charleston.

New batteries were planned for the defenses in the 1870s but were not completed. New modern concrete fortifications were built beginning in 1896. This included an expansion of the Fort

Moultrie military reservation as room was needed for the new gun batteries and garrison housing. Maintained throughout the first half of the 20th century, the defenses were updated during WW II, until changes in military tactics and needs brought a closure to the post in 1947 after 171 years of military service. The old second system Fort Moultrie and Fort Sumter were transferred to the National Park Service, while the rest of the reservation was transferred to the town of Sullivan's Island, which sold significant portions to private owners.

Day One, Tuesday, October 12: Our first stop was a pre-tour visit to the Confederate submarine H.L. Hunley restoration project at the Walter Latsch Conservation Center on the grounds of the old Charleston Naval Yard. The Hunley was found in 1995, raised from the ocean floor in 2000, and has been undergoing conservation and restoration. The guided tour took our group through the display area and up to the restoration tank. The group then gathered at the hotel conference room for opening comments by Gary Alexander. Presentations were given by Dr. Carl Borick, Director of the Charleston Museum, speaking on the British Siege of Charleston in 1780, followed by Ted Panayotoff, speaking on a series of coast artillery guns known by several names: the "Zalinski" Pneumatic/Dynamite/Steam guns



The Hunley

Day Two, Wednesday, October 13: The group gathered at the Fort Moultrie Visitor Center on Sullivan's Island at 9 AM. After a short presentation and a movie in the visitor center, the group fanned out to visit the old fort and surrounding area. The National Park Service has worked over the years to restore and interpret most of the phases of Fort Moultrie's life from the Second System, the Civil War, the 1870's Rodman batteries, the Endicott batteries, to the WWII-era's guns and harbor entrance/defense command post (HECP-HDCP). The nice thing about Fort Moultrie is its large collection of guns - Columbiads, Rodmans, Parrots, smoothbore seacoast mortars, and Endicott-era 3-inch and a 4.7-inch guns. Several are emplaced and others on display outside the fort proper. Fort Moultrie is one of the best places to see the full gamut of American defense programs all in one place. Touring the outside of the fort we visited the smoothbore gun row, one emplacement of four in 10-inch DC Battery Jasper (with its intact Taylor-Raymond ammunition hoist), the

interior of Battery 230 (somewhat modified for post-war use), and overgrown Battery Logan. A journey by foot took us past the remaining buildings of officer's row down to the 1920s-era protected switchboard room and the fort commander's station which was graciously opened for visit by the property owners. Returning to the Fort Moultrie picnic area for lunch we could see several other military buildings among the private homes that now cover the old military reservation.



Fort Moultrie



Battery Jasper



Battery 230



Battery Logan emplacement



Officers Quarters, Fort Moultrie



Protected Switchboard Room



Fort Commander's Station



Fort Moultrie Entrance Gate

After lunch we headed north to visit Batteries Gadsden and Thomson. Battery Gadsden is a four-emplacement 6-inch battery whose magazines have been repurposed as a library and a historical/community center. The CDSG contributed towards new overhead lights at the historical center, but additional work is needed to further stabilize the ceilings and prevent rainwater leaks. Moving on to 10-inch DC Battery Thomson, which is owned by the town and was used for fire department training until recent years. The closed magazines were opened for our visit. A side hike to the top of the now completely buried 12-inch mortar Batteries Capron and Butler completed this portion of the tour.

Next up was parking our cars at a local church parking lot at the north end of the island, to visit 2/3rds of the inside of the WWII-era Battery 520. We were able to go inside of the separate PSR (what goes on in the bunker stays in the bunker!), which isow a foundation for a house. We has access to the south gun house of Battery 520 with its entertainment bar, and the now empty middle section of the battery which was once a home. We headed back to the hotel for evening presentations by Thomas Lowndes and Matthew Locke, members of the SCV Fort Sumter Camp, the current owners of Castle Pinckney. Craig Swain followed with a talk on the Siege and Reduction of Fort Sumter.



Inside the history center with its new lights



Sullivans Island Public Library at Battery Gadsden



Battery Thomson



Entrance to Battery 520's PSR



Villa Battery 520

Day 3, Thursday, October 14: The group was out to Patriot's Point by 7:30AM, home of the Essex-class USS Yorktown aircraft carrier, commissioned in 1943, (not on our agenda, but well worth the visit), for our boat journey out to Fort Sumter. On the way we passed Castle Pinckney, subject of the previous evening's presentation. It is currently off limits to visitors, so we had no visit this meeting. After a couple of presentations on the 30-minute ride, we headed into the fort and spread out to visit the remaining casemates and gun collection at Sumter and went through the rooms and parapet of 12-inch Battery Huger. Largely destroyed during the Civil War, Sumter was partially rebuilt after the war only to be knocked down to one level for the Endicott-era emplacement. Still there was a lot to see. After the return boat trip, we headed to the southern side of the Charleston harbor to visit the site of Fort Johnson and its one remaining magazine and the site of the Charleston Harbor Martello Tower. After lunch at James Island County Park, we drove a short distance to the Dill Sanctuary, owned by the Charleston Museum. Staff historians



Fort Sumter



Castle Pinckney



The magazine at Fort Johnson



Fort Sumter



Looking for the bricks of the Martello Tower on James Is.

conducted a walking tour of the well-preserved earthworks of Batteries Pringle and Tynes, constructed during the Civil War to guard against Union naval incursions up the Stono River. Returning to the hotel we gathered for our annual CDSG Banquet (Carolina BBQ!!) and the annual business meeting, followed by a presentation by John Weaver on the Third-System Forts of Charleston and Savannah.

Day 4, Friday, October 15: After checking out of the hotel, we headed south to Beaufort, SC, and on out to St. Helena Island to visit Fort Fremont. Fort Fremont was built in the mid-1890s to protect the newly established Port Royal Naval Station and its dry dock. When the dry dock was outmoded by the navy's new ships, operations were transferred to Charleston and the need for Fort Fremont ended. The post was closed by 1921 and parceled out to private ownership. The neglected concrete batteries languished until they were finally turned over the county through the efforts of the Friends of Fort Fremont. During the past 10 years the batteries have been cleaned up and a new park and nature reserve established. A new visitor's center has just been completed and opened especially for the CDSG visit. This was a pleasant surprise. The nice grounds, cleaned up batteries, and a great phone app interpretive tour was a welcome change from the neglected batteries of 20 years ago. Next stop was across the sound to Hilton Head for lunch at a public access beach, then convoying into nearby gated communities to visit Union army-built earthwork Forts Mitchell, Walker, and Welles. The nearby dynamite gun battery offered fascinating remnants of a short-lived



Fort Fremont Visitors Center



Battery Jesup in 2004 (photo by Chris Zeeman)



Battery Jesup in 2021 (photo by Chris Zeeman)



The Dynamite Battery at Hilton Head

series of late 19th century coastal guns. The emplacement and foundations of the compressor and power plants were clearly visible. The last stop of the day was at Fort McAllister State Park. An excellent example of Confederate earthworks, Fort McAllister guarded the Ogeechee River south of Savannah. This was followed by a return to the new hotel and another night of presentations. First was an overview of Fort Screven by Art Worden and Karl Schuler of the Tybee Island Historical Society, followed by the Third-System forts impact on the Civil War by John Weaver and modern-era coast artillery power systems by Mark Berhow.

Day 5, Saturday, October 16: The last official day was visiting the coast defenses of the Savannah River, another key port. Defenses were started in the colonial times with a fort on Tybee

Island. The Second System brought the construction of Fort James Jackson below the city of Savannah proper and a Martello tower on Tybee Island. Still worried about the defenses of the river system, the Third System brought the construction of the larger Fort Pulaski on Cockspur Island, near the mouth of the river. The Civil War brought the Savannah River forts under control of Confederate forces, but not for long. Fort Pulaski fell to the Union army after a 30-hour bombardment in 1862, while the upriver Fort James Jackson remained in Confederate hands until December of 1864. Fort Pulaski was repaired and partially renovated in the late 1860s and early 1870s but never fully rearmed.

The group gathered at Fort James Jackson, a very nice Second-System fort originally built as an open-back four-gun brick battery. It was modified during the Third System by adding a defensive rear wall to enclose the living quarters, magazines, and supply rooms. Over the past 20 years the fort has received extensive repairs and stabilization and has a great covered area for events. The gun line was modified during the Spanish-American war, but the rest of the emplacements have been restored and are armed with artillery. This was a pleasant surprise to see how nicely the fort has been restored and interpreted.



Fort James Jackson

The next stop was Fort Pulaski National Monument, a National Park Service site. The fort is well maintained with an impressive set of interpretive displays. The group fanned out to visit the casemates and the parapet barbettes as well as the wet moat surrounding the fort and the rear redoubt. An outstanding example of simple but well-built Third System fort that shows all the details.



Fort Pulaski

The final stop of the day was at Fort Screven, hosted by the Tybee Island Historical Society. Endicott defenses consisting of six gun batteries, mine defenses, and garrison housing were built on Tybee Island beginning in 1897. The fort had a number of guns removed in 1917-18 and was inactivated as a coast artillery post by 1921, only to be repurposed as an infantry post in 1922. It remained in active use through 1945. That year the reservation was transferred to the Town of Savannah Beach (now Tybee Island). Like the Fort Moultrie reservation, most of Fort Screven was later sold to private owners. We were treated to lunch at the old guard house, now the island's community center. Our hosts had golf carts to assist members in reaching parts of the old reservation,



Fort Pulaski's scarp wall

viewing the remaining fort buildings (even going into one of the old officer's quarters), visiting the museum in Battery Garland, and entering one of the emplacements of 8-inch Battery Brumby and one pit and magazine of the mortar Battery Habersham. We also viewed three of the batteries (Backus, Fenwick, and Gantt) that have private residences built on them. Again, another pleasant experience to see a solid interest in preserving and interpreting the history of the fort. The conference officially ended at 5 PM



The Guard House at Fort Screven



Commanding Officer's Quarters, Fort Screven

Add-on Day, Sunday, October 17: For those that could not get enough, there was a day to travel south to Florida and visit a couple of sites. The first stop was the outstanding Third-System Fort Clinch with its detached Carnot walls. The second stop was Fort Caroline National Memorial. From there, NPS staff shuttled members to the nearby, recently acquired 1898 St. Johns Bluff



Battery Garland



Main gun line at Fort Screven



Battery Gantt with a house built over the top



St. John's Bluff battery



Battery, built for two 8-inch breechloading guns on modified Rodman carriages.

After a long and uncertain period during the pandemic, it was great to get together and visit some very nice coast defense sites that covered the entire range of American seacoast fortification history from the Revolutionary War through World War II. The CDSG would like to thank Gary Alexander for all his work in coordinating the site visits, arranging access, and coordinating the evening events. It was an exceptional effort, and the entire 5-day tour went smoothly. The CDSG would like to thank the following people and organizations for their help and support in putting on this tour: Andy Benke and Randy Robinson, the Town of Sullivan's Island; Hal Curry and Peggy Schachpe, owners of the protected telephone switchboard and fort commander's station on the Fort Moultrie Reservation; Mike Walsh and the Battery Gadsden Cultural Center; Steve and Cindy Brown, owners of

the Battery 520 PSR; Jim Curd and family, owners of the middle portion of Battery 520; Dr. Warren Tucker, owner of the western portion of Battery 520; Ian Harris and Spirit Line Tours; Jennifer McCormick and Stephanie Thomas of The Charleston Museum; Ted Panayotoff and the Friends of Fort Fremont; Barbara Catenaci, Director of the Hilton Head Heritage Library & Ancestry Research Center; Julia Keating, Coastal Heritage Society (Fort Jackson); Joel Cadoff, NPS Fort Pulaski National Monument; Art Worden and the Tybee Island Historical Society; and Josh Salestrom, NPS Fort Caroline National Memorial.

This remarkable tour just emphasizes the importance of CDSG conferences. We were able to see sites and structures that are normally closed or otherwise inaccessible to the public. The added bonus of being around knowledgeable people makes learning about these locations that much more enjoyable. I hope everyone reading this report will consider coming to New Orleans for our conference in March 2022.

* * * * *

FORT WORDEN NEWS: Puget Sound Coast Artillery Museum reopens with updated displays, better visitor experience

By Patrick J. Sullivan
Puget Sound Coast Artillery Museum

A chance meeting between two "can-do" men at the Fort Worden State Park campground last winter has led to a major overhaul of the Puget Sound Coast Artillery Museum at Fort Worden.

The non-profit, volunteer-led Coast Artillery Museum (CAM) located in Port Townsend, Wash., closed in March 2020 due to the pandemic. The extended closure seemed like a good time to make repairs and update displays within Building 201 (opened as an Army barracks in 1904) where the museum located soon after it was founded in 1976. CAM's financial resources are stable but the pool of volunteers is thin, and that's why the chance meeting proved so important.

Gary Kauffman retired early in 2021 as head of maintenance at a grocery warehouse in the Everett, Washington area, capping a 30-year career in the commercial and industrial construction trades. Kauffman and his wife, Patt, were looking forward to retirement and using their RV. The Kauffmans became certified as Washington State Parks "camp hosts" in which people trade their services to "host" so many hours a week at a campground, museum and/or gift shop in exchange for an RV spot.

Last winter, the Kauffmans were visiting Fort Worden when they met Ron and Suzann Replee, camp hosts and museum volunteers at Forts Worden, Flagler and other parks for six years. Ron led the reorganization of Fort Flagler's small museum and was looking at what could be done at the Fort Worden museum. The couples hit it off and Ron talked with Gary about needing help at the Puget Sound Coast Artillery Museum.



"I said, 'just come on over and take a look around.' He did. He went back home, loaded the trailer, and was back here two days later," Ron recalls.

The men have volunteered their time and skills to improve Building 201's main level, floor to ceiling. Their work began March 21, 2021 and was substantially completed in August.

"It's been fun. It's kept me out of trouble," said Gary, who was a radioman with an Army combat infantry platoon in Vietnam in the late 1960s, where he came away with the nickname of "Mudbone."



"Gary and Ron have been tremendous," said Greg Hagge, CAM Board president and museum director. "We can't thank them enough for what it means to CAM and our effort to better serve the public." Hagge was involved with CAM here in its early days, and returned in 2014 upon his retirement as a museum specialist for the Army Ordnance Museum at Fort Lee, Virginia. Hagge draws from a deep well of Coast Artillery knowledge. He's been updating the language used on many existing displays, the fine-tuning of which is ongoing.

SUPPORT FROM STATE PARKS, PDA

Building 201 is owned by Washington State Parks (which had a new slate roof installed in 2019) and leased to the Fort Worden Public Development Authority, which is responsible for general exterior and interior maintenance. The major interior repair

problem was East Wing floor damage attributed to a broken water pipe. Building 201 is one of three Worden barracks waiting a complete renovation for which there is no budget or timeline.

The PDA maintenance staff responded to the problem and replaced the East Wing flooring. The job went so well, CAM is financing matching flooring in the entryway.

Brian Hageman, the Washington State Parks ranger responsible for Fort Worden Area Parks (which includes Flagler), has been supportive of historical interpretation efforts, Hagge noted.

ENHANCED VISITOR EXPERIENCE

It's amazing what a new floor, paint and replacing fluorescent lights with LEDs can make inside an old building. The entire museum has been repainted, the walls a light yellow consistent with typical U.S. Army practice. The LED lighting overhead and within display cases is a vast improvement.

"It's a lot brighter," Hagge said. "It's a lot more fun to look at. It was kind of a dark hole before."

It's particularly true in the Small Arms Room based on the Col. Stanley G. Lillian Collection and supplemented in years since. The interior of the display cases are now painted white, and LEDs provide better illumination. The rifles (and three pistols) are still encased in one of four wall-mounted plexiglass display cases. Plexi rods have replaced the green-painted wooden supports used for each firearm, and the solid wood top of each case has been replaced with Plexi. Together with new lighting, there is less glare and shadows within each case which made the historical info on each weapon difficult to read.

All the floor display cases are on wheels and can be easily moved. The two machine guns (German WW I and Japanese WW II) are on wheeled displays which can be moved into the gun room, which has its own lock and security.

Care was taken to keep things original, when possible. For example, a porch light from Fort Flagler replaced the 1950s institutional style fixture over the Building 201 front door.

UPGRADED DISPLAYS: HAND CART FROM 1909

The CAM's West Wing reopens with several first-time displays including a two-wheeled hand cart based on an Army design from the 1880s. It's possible the cart was at Fort Worden for many years, but the only certain fact is that it was inspected at Fort Worden in 1951. Each company had carts to bring bread from the bakery or other commissary items, a "glorified wheel





barrel,” Hagge said. This hand cart belonged to the Post Stockade (guardhouse).

A 36-inch signal lamp like the one used atop the Harbor Entrance Control Post (HECP) on Artillery Hill (1944-1950s) – which has been on display for years – is now wired and can be properly demonstrated. The U.S. Navy was responsible at the HECP for visual and underwater vessel detection which included communicating with vessels using the signal lamp, flags and radio.

Hagge is overseeing a new “barracks” display representing three eras of bunks and G.I. gear – 1910, 1940 and 1950 – as would have been used at Fort Worden. The display is behind plexiglass and plywood, thanks to the work of the Gary, Patt and Ron.

The East Wing, in what’s known as the World War I Room, the original galvanized sheet iron ceiling now supports a 1911 light fixture that had been in storage at Fort Flagler. When the barracks were renovated in 1957-58 for use by the Fort Worden Diagnostic and Treatment Center, the original ceilings were hidden by “drop ceilings” and institutional lighting. When these modifications took place, supports for the “new” lighting were hacked and drilled into the sheet iron ceiling as interior spaces were reconfigured in size and shape. By accident, this one room was too small to support anchor wires for the drop ceiling so the pressed steel was left intact – which Hagge discovered in 1985 when he first served as CAM director.



Also in the East Wing, the CAM collection of artillery projectiles and powder cans developed four years ago was cleaned and encased. When it came to moving a 10-inch projectile as used by the Coast Artillery, "It's all of 510 pounds, trust me on this one," Ron says.

The East Wing room that for years had featured a pool table is becoming the Fire Control Room and remains a work in progress. Fire Control – the process of acquiring targets and bringing cannons and mortars to bear – was state-of-the-art technology when the Harbor Defenses of Puget Sound were activated in the early 1900s. "Fire Control" is the key element of Modern Seacoast Artillery (1896-1910).

The Regimental Hall has refreshed displays that includes crests and flags representing the 14th Regiment and the 248th Regiment which were headquartered at Fort Worden. The museum was established in 1976 through the efforts and contributions of the 248th Coast Artillery Association, the Washington State Parks and Recreation Commission, the State of Washington National Guard, and the men who served in the 248th and 14th Coast Artillery regiments and their friends and families.

Intended to preserve and interpret Coast Artillery history with special emphasis on the Harbor Defenses of Puget Sound, the volunteer organization's mission now includes displays regarding Fort Worden's post-military history.

* * * * *

COAST ARTILLERY NEWS: Museum at Fort Worden reopens; fresh exhibits for first-time visitors & dedicated Coast Artillery fans

The tent canvass was put away dry to conclude a Living History special event Sept. 18, 2021 at the Puget Sound Coast Artillery Museum located at Fort Worden in Port Townsend, Wash.

Marking the grand reopening of a refurbished museum in Fort Worden Building 201, first opened in 1985 but closed during the pandemic, was a special appearance from the 9th Coast Artillery District Living Historians presenting as the 248th Coast Artillery Regiment (circa 1943) stationed at Fort Worden. Their outdoor display featured a 1918 wall tent, displays of Army Coast Artillery artifacts, and a restored 1940 half-ton 4x4 Dodge VC. The group's home base is Fort Casey State Park, so the team motored in the Dodge onto the Admiralty Inlet ferry to Port Townsend. Considering the windy, wet weather from the previous day, the team were happy for the day's dry weather: the canvass tent went home dry.



On Building 201's porch, Coast Artillery Museum Board member Aaron Buda presented a display from his collection, such as two early 1900s uniforms, and photos of the men wearing those uniforms, during Coast Artillery service at Puget Sound and Columbia River forts. Buda was joined by Ebin Hillard.

Inside the museum, visitors enjoyed new and familiar displays. Fresh paint, flooring, improved lighting accents a more focused presentation on life and times during the Harbor Defense of Puget Sound from the early 1900s when Coast Artillery was using state-of-the-art technology through World War II, when Fort Worden and related posts began to fade from military duty.

The all-volunteer, non-profit Coast Artillery Museum has benefited this year by the efforts of Gary and Patt Kauffman through the Washington State Parks host program, and Ron Replee, CAM volunteer and also a certified State Parks host.



The exhibit space has never looked better, says Greg Hagge, museum director and CAM board president. Formed in 1976 by veterans intending to preserve and interpret the history of the 14th Coast Artillery and 248th Coast Artillery regiments, it was Hagge in 1985 who assembled the collection into a museum inside Building 201.

Today, the museum can satisfy visitors who have a basic “why are we here?” interest in Fort Worden, those curious about how soldiers worked and lived in the Coast Artillery era (1900-1944), and historically accurate interpretation (in the form of artifacts, photos, drawings, film, videos, etc.) of the U.S. Army Coast Artillery and the Harbor Defenses of Puget Sound.



The Museum in Building 201 on Fort Worden's Barracks Row is scheduled to be open to the public from 11 am to 4 pm daily, as volunteer staffing allows.



During the Sept. 18 event, Museum Board members paid tribute to Alfred Chiswell, 76, and Dave Thomas, 87. Both men are U.S. Army veterans and provided invaluable service to the Coast Artillery Museum.

Alfred Chiswell was associated with the Museum since 2001. He donated thousands of hours at Fort Worden State Park, in service to both Washington State Parks (2005 Volunteer of the Year award, 2017 Lifetime Achievement Award) and to CAM. He was a CAM Board member for 18 years, CAM Board president for 11 years, and museum director for 11 years, until his death in 2020.

Dave Thomas was a CAM volunteer from 1994 to 2015 and Board member from 2009 until his death in 2021. The first time Dave entered Fort Worden Building 201 – home to the Puget Sound Coast Artillery Museum – was in 1939. As a young man he worked at Fort Worden from spring 1950 to spring 1953. Dave is the last in a long line of distinguished CAM Board members to have experienced Fort Worden as an Army post.

CAM NEEDS BOARD MEMBERS

The Puget Sound Coast Artillery Museum Board of Directors (volunteers) has several vacancies. Becoming a board member does not mean you would be rushed into a leadership position; it means you are willing to help the CAM in some capacity with our mission to preserve and interpret the history of the Harbor Defenses of Puget Sound. Most but not all of our current board members live on or near the Olympic Peninsula. For more information, message the Puget Sound Coast Artillery Museum Facebook page or email coastartillery@gmail.com.

https://www.facebook.com/permalink.php?story_fbid=4659673854083420&id=1250380305012809&src=email_notif

* * * * *

Preservation Committee Report

Gordon Bliss

We recently had our first conference in a year and a half and it was quite successful. For more on it, please see Mark Berhow's extensive report in this newsletter. There are two specific items I want to mention in addition though. At Battery Gadsden at Fort Moultrie, a local group had undertaken the establishment of the Battery Gadsden Cultural Center in part of the battery and a contribution from the CDSG fund helped pay for the new lighting they have installed. We also had some time to discuss issues they are still having with the battery and possible remedies for them as well as their future plans. In another section of the battery is a branch of the Charleston County Library. It is very well kept and in very good condition, including a new floor coating. They are planning some further improvement work next year. They even have a display of the battery plan and the Revolutionary War period Fort Moultrie. It was good to see something that the CDSG has directly contributed to and see a battery structure that has been successfully re-used for multiple purposes.

The other item was the visit to Fort Fremont (Harbor Defenses of Port Royal Sound) which was one of the highlights of the conference. Having been there during the previous Charleston conference in 2004, one could hardly recognize the site as it has been improved so much. You can see some of the difference in the photo comparison in the conference report. There are only two batteries but they are now both cleaned and fully accessible. The surrounding area had been landscaped and there are sidewalks, a picnic pavilion, and clear views of Port Royal Sound. In addition there is a new building that is described as a History Center that includes a number of excellent museum quality models made by a superb model maker. One of these is a depiction of all of Fort Fremont as it originally existed. There are also more detailed models of the gun batteries and a 10-inch disappearing gun. There is a self-guided tour phone app available. The local friends group showed us tremendous hospitality for our visit. This site serves as example of what can be done with even a small site and I can only hope that other small sites, or even more neglected parts of larger sites, can get a similar treatment in the future.

On other news, at Fort Story the Navy has proposed repairs to Battery 226 and the Battery Walke powder magazine that the group visited back at the 2019 Conference and that the CDSG has been following up on along with other items at Fort Story.

Though they are proposing repairs, those proposed for Battery 226 fall short of what is needed. We will continue to follow up on this and my thanks to Terry McGovern for taking the lead on this along with a number of other preservation issues in the mid-Atlantic area and continuing to work them.

On the two largest outstanding issues currently, Fort Terry/Plum Island and Fort Wool in Hampton Roads, I've heard nothing new in a while and so have no report to make at the current time. That's it for this newsletter, but there are some other pending items that I hope to have more news on by next time when I'll annual summary column.

If you have a preservation issue or question, or for further information on any of the items I have mentioned, contact the Preservation Committee Chair, Gordon Bliss, at preservation@cdsg.org.

* * * * *

CDSG Logo Hats, Shirts & Patches

The CDSG is pleased to offer custom-made hats, T-shirts and patches to our membership. Wearing these hats, T-shirts and patches are a great way to make others aware of the CDSG and its goals. It is also an excellent way to promote new memberships in the CDSG.

The CDSG patches have been available for several years. Designed especially for the CDSG, these quality patches combine the Coast Artillery Corps and the Corps of Engineers symbols to reflect their involvement in U.S. coastal defenses. This logo is now on hats and a set of T-shirts which are great for showing the CDSG "flag."

To order your hat, T-shirt or patch, please complete the order form below and send it along with your check (made out to CDSG, Inc.) to Terry McGovern at 1700 Oak Lane, McLean, VA 22101-3326 USA (e-mail: tcmcgovern@att.net).

CDSG hats, T-shirts and patches ordering information

Black T-shirt with white ink:

Size & # L XL 2XL 3XL

Red T-Shirt with white ink:

Size & # L XL 2XL 3XL

Kacki T-Shirt with black ink:

Size & # L XL 2XL 3XL

Navy T-shirt with yellow ink:

Size & # L XL 2XL 3XL

Total Number: times \$ = Total \$

(domestic \$18/overseas \$26 each)

CDSG Cloth Patch: times \$ = Total \$

(domestic \$4/overseas \$6) each

CDSG Color Decal: times \$ = Total \$

(domestic \$2/overseas \$3) each

Hats: times \$ = Total \$

(domestic \$20/overseas \$25) each

Be sure to include your name and shipping address.

You can also order online at cdsg.org/shopping/

Attention – The CDSG Fund is now on the AmazonSmiles program, where Amazon will donate 0.05 percent of your purchases to the CDSG Fund if you make the CDSG Fund (<https://smile.amazon.com/ch/52-1698506>) your default charity in their system. Please do so today.

* * *

Support the CDSG.ORG Website

The CDSG supports its web site ONLY through donations. If you download PDF files from the website, please help the CDSG continue to maintain it by donating a shareware fee. The suggested fees will be noted next to each PDF document. We suggest a minimum donation of \$5.00. Thank you for supporting the CDSG web site!



* * * * *

Warship International Steam Back Into History...

Go to sea with the ships of the world's navies – the USN's *Essex* & *Independence*-class carriers, the *Arizona*, the Japanese I-400 class subs, HMS *Vanguard*, Czarist Russia's battleships, French cruisers of the 1922 Program. These are subjects of some of the articles that have appeared in recent issues of *Warship International*. These issues are still in print and can be obtained at special rates for new members.

What ever happened to USS *Lexington's* (CV-2) 8" guns?
How much do you know about the cannon of "Old Ironsides"?
Want to learn more about early naval radio experiments?

These questions and many more are answered in each issue of the world's most unique naval journal – WARSHIP INTERNATIONAL.

A ONE VOLUME SUBSCRIPTION of 4 QUARTERLY ISSUES IS ONLY- U.S.A. \$42.00, CANADA \$45.00, OUTSIDE NORTH AMERICA \$55.00, we now feature Pay-Pal.

A SAMPLE COPY \$3.00, this includes postage & handling.
WARSHIP INTERNATIONAL

Dept. CD
P.O. Box 48

Holden, MA 01520-0048

See us on the World Wide Web: <http://www.warship.org>



* * * * *

Company of Military Historians

This organization is dedicated to the study and preservation of military history in the Americas. Its objectives are to promote and advance the research of military history and traditions through publications, exhibits, and meetings. Members include anyone interested in military history, such as historians, collectors, writers, artists, and those involved in living history.

The company publishes the quarterly journal, *Military Collectors and Historian*, and an ongoing series of color plates— "Military Uniforms in America." Memberships start at \$60

For membership information contact:

Company of Military Historians
P.O. Box 910, Rutland, MA 01543-0910
Phone: 508-845-9229
E-mail: cmhhq@aol.com
<http://www.military-historians.org>.

* * * * *

The Artilleryman Magazine

The *Artilleryman* is the only magazine exclusively for artillery shooters and collectors. History, unit profiles, events, places to visit, book reviews, advertising. It is published quarterly; subscriptions are \$34.95 a year. Free sample copies are available.

The *Artilleryman* Magazine
96 Craig Street, Suite 112-333
East Ellijay, GA 30540
Call (706) 940-2673
email: mail@ArtillerymanMagazine.com
<http://www.ArtillerymanMagazine.com>

Help Preserve Our Military Heritage

Council on America's Military Past

See our web site for information on publications and activities

www.campjump.org

The Coast Defense Study Group cdsg.org

The *CDSG Newsletter* is published quarterly by the Coast Defense Study Group, Inc. along with the *Coast Defense Journal*. Submissions for the newsletter should be sent to the editor or publisher below.

Submission deadlines are the first of the month in February, May, August, and November of each calendar year. All rights are reserved. Comments on business matters should be addressed directly to the Chairman of the Board of Directors.

CDSG Publications
PO Box 6124, Peoria, IL 61601
berhowma@cdsg.org

The CDSG is a non-profit corporation formed to promote the study of coast defenses and fortifications, their history, architecture, technology, and strategic and tactical employment. The purposes of the group include educational research and documentation, preservation of historic sites, site interpretation, and assistance to other organizations interested in the preservation and interpretation of coast defense sites. Membership in the CDSG is open to any person interested in the study of the coast defenses and fortifications of the United States.

Annual dues for 2022 are \$45 domestic printed, \$55 for Canada printed, and \$90 for international printed. Join/renew online at cdsg.org.

Checks payable to: The Coast Defense Study Group, Inc. (CDSG)
Send to: Quentin Schillare, Membership Chairman
24624 W. 96th Street, Lenexa, KS 66227-7285
membership@cdsg.org

2021-2022 Board of Directors of the CDSG

Robert Grimm (Chair)
Steve Waldron
Norm Scarpulla

CDSG Publications

Bolling W. Smith, Journal Editor

Mark Berhow, Publisher

CDSG Press & ePress

Terry McGovern, Chair

CDSG Fund

Terry McGovern, Quentin Schillare, & Mark Berhow, Trustees

Membership Committee

Quentin Schillare, Chair

Finance Committee

Terry McGovern, Treasurer & Secretary

Preservation & Interpretation Committee

Gordon Bliss, Chair

Representative & Outreach Committee

Norm Scarpulla, Chair

Projects & Website Committee

Mark Berhow, Chris Zeeman

Audit Committee

Ned Libby, Chair

Nominations Committee

Tom Batha, Chair

Upcoming Conference and Tour Committees

2022 New Orleans Conference—Quentin Schillare, Chair
2022 CDSG Special Tour to Sweden, Terry McGovern, Chair
2023 Location to be Determined

The Coast Defense Study Group Press

This is an all-volunteer operation provided as a service to our members and to other interested historians. Credit card orders are accepted on the cdsg.org website. For mail orders please send check or money order in U.S. currency. Please note clearly in your order which items you are ordering. All prices include domestic / international shipping costs (US Postal Service). Allow at least 8-10 weeks for delivery.

CDSG 1985-2021 Publications. Text-searchable PDF files of the entire set of *CDSG News/Journal/Newsletters* \$50 domestic and foreign on a data USB drive, or by download. Once purchased, yearly download updates can be obtained from Mark Berhow (berhowma@cdsg.org).

CDSG eDocuments \$50 domestic and foreign mail. These PDFs cover a range of historical documents related to seacoast defenses, most are copied from the National Archives. The collection is available as PDFs on a USB drive or as a download link. Included are PDFs of annual reports of the chief of coast artillery and chief of engineers; various board proceedings and reports; army directories; text books; tables of organization and equipment; WWII command histories; drill, field, training manuals and regulations; ordnance department documents; ordnance tables and compilations; and ordnance gun and carriage cards.

Harbor Defense eDocuments \$250 domestic and foreign mail. These PDF documents form the basis of the conference and special tour handouts that have been held at harbor defense locations around the U.S. The collection includes RCBs/RCWs; maps; annexes to defense projects; CD engineer notebooks; quartermaster building records; and aerial photos taken by the signal corps 1920-40, and other items.

These collections are available as PDFs on a USB drive or by a download link, the size of the collection varies from harbor to harbor. Contact Mark Berhow at berhowma@cdsg.org for more details.

CSDG Press Books (\$ domestic / \$ international)

Notes on Seacoast Fortification Construction, by Col. Eben E. Winslow (GPO, 1920), hard cover reprint, with 29 plates included in a separate paperback. Both items: \$35 / \$45

Seacoast Artillery Weapons (Army Technical Manual 4-210, 13 Oct. 1944), paper back reprint. \$25 / \$35

The Service of Coast Artillery, by F. Hines and F.W. Ward (1910), hardcover reprint \$40 / \$60

Permanent Fortifications and Sea-Coast Defenses, Congressional Report No. 62, U.S. House of Rep. (1862), hardcover reprint \$30 / \$45

American Seacoast Matériel, Ordnance Dept. Doc. #2042, (1922), Hardcover reprint \$45 / \$65

The Endicott and Taft Reports, reprint of original reports of 1886, 1905, 1915, hardcover, with plates included in a separate paperback \$45/ \$95

Artillerists and Engineers, the Beginnings of American Seacoast Fortifications, 1794-1815, by Arthur P. Wade, paperback, (2010) \$25/ \$40

American Seacoast Defenses: A Reference Guide, Third Edition edited by Mark Berhow (2015), hardcover \$45 / \$95

Historic Fortifications Preservation Handbook, 2003 guide to preservation methods for concrete fortifications spiral bound softcover \$15 / \$70

WWII Harbor Defenses of San Diego, 2021 by H.R. Everett, available from Amazon, \$40 list price, (\$50 if ordered from CDSG, domestic shipping only).

Checks payable to: CDSG Press

Send orders: CDSG Press

C/O Terry McGovern,

1700 Oak Lane, McLean, VA 22101-3326

email: tcmgovern@att.net

Order online at cdsg.org