



# From The

# Bridge

A NEWSLETTER FROM THE UNITED STATES NAVAL ACADEMY FOUNDATION

2013 ISSUE 1

## Sea, Lakes & Bay

### Naval War of 1812 Exhibit Opens at the Naval Academy

As the anniversary of the War of 1812 is being remembered across our nation, and at the Naval Academy, a new exhibit has opened that brings together the passion of one sailor with the Naval Academy Museum's beautiful artifacts from the war that made our country "an independent force and a true nation."

William I. Koch has made a name for himself as a businessman, for his boat AMERICA<sup>3</sup> winning the America's Cup in 1992 and as an avid art collector.

One of his largest collections is of maritime artifacts spanning the centuries, and a large portion of this is

based on the War of 1812. The Naval Academy partnered with Koch for the exhibit—"Seas, Lakes & Bay: The Naval War of 1812"—for which he loaned close to a third of the artwork.

Koch has been looking for Captain Lawrence's sword for years, Captain James Lawrence being the commander of CHESAPEAKE who famously said, "Don't Give Up the Ship." Koch happens to be related to Lawrence, so it's no wonder he has a passion for 1812 art and artifacts, and is on a quest for the sword. Roy Bell '66, a colleague and friend of Koch, contacted the Naval Academy Museum to ask about

## Building a Foundation



Having served in my role for the past year, I can say with certainty that one of the greatest strengths of the Naval Academy is the passion of its alumni for the institution. The Naval Academy prides itself on developing leaders to serve

our nation. When you look at the by-product of that, specifically the alumni and alumni board leadership, it is just phenomenal. I have never before been so privileged to work with such high achieving, successful individuals with a true sense of duty and service.

At the Foundation, we intend to match that enthusiasm and commitment working with alumni, parents and friends to facilitate private gifts that will underwrite an enduring margin of excellence at the Naval Academy. In doing so, our donors will ensure that the Naval Academy is not merely a great undergraduate university, but a truly exceptional institution that prepares junior officers as leaders of technical competence and high moral character for the Navy and Marine Corps.

Thank you for your continued support to the Naval Academy. ■

Bill O'Connor  
*Executive Vice President,  
Naval Academy Foundation*



Bill Koch (left) with attendees of the Naval War of 1812 opening night celebration in Mahan Hall.  
Photo courtesy of USNA Photo Lab

Continued on page 2



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## Naval War of 1812

### Exhibit Opens with a Bang

The evening of 26 March kicked off the Naval Academy's Naval War of 1812 exhibit—*Seas, Lakes & Bay: The Naval War of 1812*—in Mahan Hall, and it was a fitting occasion to reflect on our Navy and Marine Corps' past, all thanks to the generosity of William I. Koch, who loaned some of his extraordinary War of 1812 maritime art and artifacts to hang alongside those from the Naval Academy Museum and made a substantial donation to cover the expenses.

Opening remarks were provided by Byron Marchant '78, president and CEO of the U.S. Naval Academy Alumni Association and Foundation, followed by the Honorable Joshua Cohen, mayor of Annapolis; Major General Robert S. Walsh '79, USMC, Deputy Commanding General Marine Corps Combat Development Command; Senator Mike Miller, president of the Maryland Senate; Vice Admiral Michael H. Miller '74, USN, superintendent; and the guest of honor, William I. Koch. Their remarks addressed the importance of the Naval War of 1812 to the growth and role of the Navy and the Marine Corps, Maryland's role in the War of 1812 and the outstanding partnership that exists today with the city of Annapolis and the U.S. Naval Academy. Everyone thanked Koch for his contributions to the exhibit that is the centerpiece of the bicentennial celebration and will be on display through November. ■



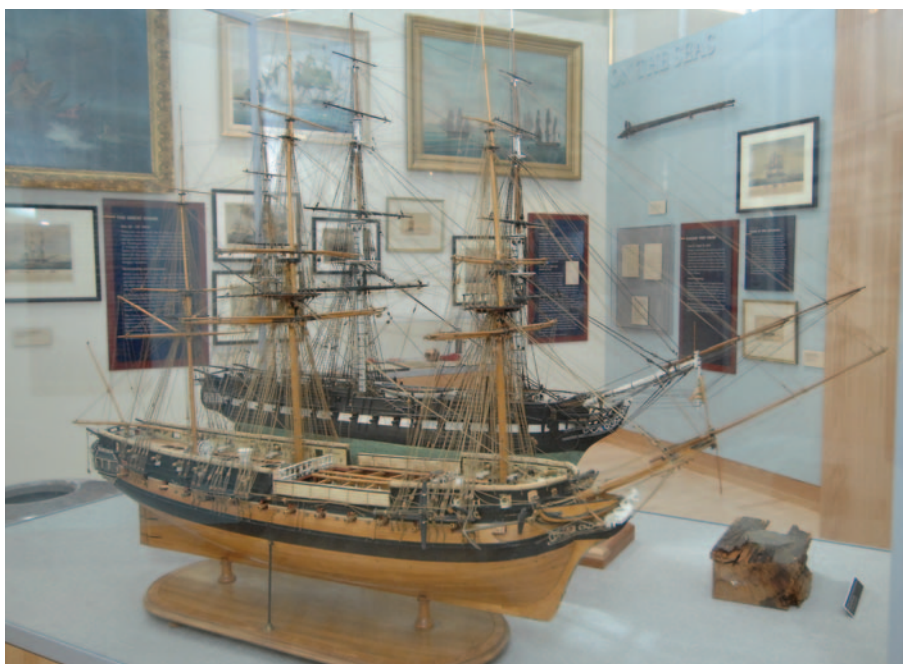
#### Editor's note

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## Naval War of 1812 ... continued from page 1



Lawrence's sword, which led to Koch's visit to the museum. Jim Cheevers, associate director and senior curator at the museum, laid out the Lawrence-related items in the collection for Koch. That experience changed his perception of the Academy tremendously.

"I was amazed," Koch recalled. "I was extremely impressed with the midshipmen and the staff. I think it's a terrific organization. They were teaching values, loyalty, dedication." Koch, who has a doctorate in chemical engineering from MIT, was also very impressed with the curriculum.

His visit to the Naval Academy left him with a great affinity for the institution based on the mission to teach ethics,

teamwork, cooperation and how to solve problems and make projects a reality. His desire to create a legacy attached to the Academy has become important to him because of its mission and the way he was warmly welcomed. This is how the conclusion was made that his and the museum's 1812 artifacts should be merged. "Having these two collections together would be absolutely marvelous," recalled Koch. "They had the concept of having an exhibit, and it was self-evident to me to show my stuff as well as theirs. To me, it is so important to

recognize the importance of the War of 1812 that I was happy to pay for it if [the museum] managed the exhibit."

He also helped publish the 275-page

*"I was extremely impressed with the midshipmen and the staff. I think it's a terrific organization. They were teaching values, loyalty, dedication."*

—William I. Koch



## Naval War of 1812 Tour and Explore

Although no land or sea battles were fought in the Annapolis environs, there are many local points of interest pertaining to the War of 1812. Most visibly, Annapolis is home to the United States



Naval Academy, where the legacy of the War of 1812 endures today in the daily training and education of the Brigade of Midshipmen. The Naval Academy was founded in 1845 on the site of Fort Severn which was garrisoned to protect the Annapolis harbor during the War. Also of interest, Francis Scott Key spent much time living and studying in Annapolis.

The self-guided walking tour will acquaint you with many of those points and direct you to a major exhibit on the War of 1812 at the U.S. Naval Academy—*Seas, Lakes & Bay: The Naval War of 1812*. In this exhibit, you will see and learn that the War of 1812 had a tremendous impact on our country and in the development of the United States Navy. It is this legacy that we, the United States Naval Academy, celebrate with you on this bicentennial of the War.

The free exhibit in Mahan Hall runs through 3 November 2013. Visit [www.usna.edu/War1812](http://www.usna.edu/War1812) for more information on the commemoration, exhibit and walking tour. ■



Exhibit photos courtesy of USNA Photo Lab

book—*The Naval War of 1812*—to memorialize this exhibit that the history department will give to midshipmen, much to Koch's delight. "My purpose for the exhibit is to show the real history of the United States," he said. "This book will establish that in the form of art and historical context."

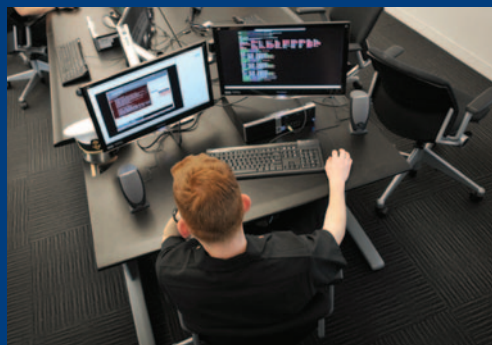
*Forbes* listed Koch in 2012 as one of the top 25 most generous people, a philosophy he and his twin brother learned from their father. As part of his philanthropy, he has included a donation

to the Naval Academy through the Foundation in conjunction with his involvement with the 1812 exhibit.

"To me, I think the best investments we can make are in our children," he said. "They are the future of our country, the future of our world. If you teach them to have good values ... to respect each other, to think clearly, the world would be a much better place." ■

*Special thanks to Roy Bell '66 who conducted the interview with William I. Koch*

## NSA Cyber Defense Competition



The Naval Academy team during NSA's annual inter-service cyber defense exercise. *Photo courtesy of USNA Photo Lab*

A team of Naval Academy midshipmen participated in NSA's annual inter-service cyber defense exercise (CDX) in April.

"It's one of the best training environments I think we have at the Naval Academy," said team captain Midshipman Matt Yates '13.

"I've learned more about how to organize a team to accomplish a goal through CDX than most other activities I've done here."

Midshipman Yates said that interest in the cyber club continues to increase. In his plebe year, there were only a dozen midshipmen involved. This year, the club had 60 active members, with a core team of 15 midshipmen competing in this year's exercise.

The midshipmen come from a variety of majors and plan to serve in many different communities within the Navy and Marine Corps, according to Yates, who will serve as a Marine officer after finishing a graduate program in computer science at Johns Hopkins University's Applied Physics Lab.

Midshipman Melissa Carwile '13, the team's assistant captain, will serve as a surface warfare officer for four years before entering training to become a Navy information warfare officer. She thinks

*Continued on page 5*

## Strategic Priority

# Update on Cyber Security Studies

Conceptualized less than five years ago, the Naval Academy's Center for Cyber Security Studies continues to move forward, "laying down the track as the train approaches," according to Captain Paul Tortora '89, USN, who recently relieved Captain Steven "Doc" Simon, USN as the Center's new director.

That "train" arrives in the form of a new major, developed to prepare midshipmen for the growing threat of a major cyber attack by foes who, armed only with a computer, an Internet connection and some programming skills, are able to exploit the cost-effectiveness and relative ease of execution of such an attack.

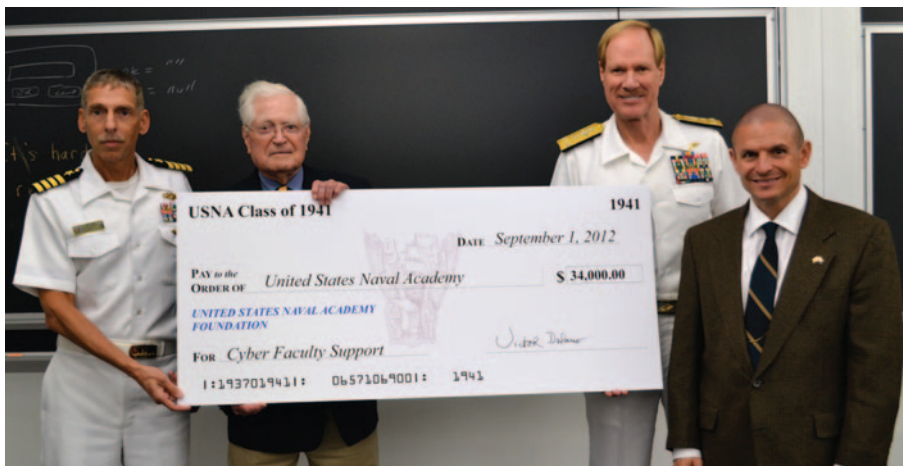
In 2010 as a prelude to the new major, the Academy's Faculty Senate Curriculum Committee recommended that two mandatory courses—Cyber Fundamentals I and II—be taken during the plebe and junior years, respectively. These classes reflect the need to provide a solid introduction to the vulnerabilities of cyber systems in

light of the high level of operational dependence on those systems in our national defense. The emergence of cyber as a fifth domain of warfare alongside land, air, sea and space added an even higher level of urgency to the decision.

To date, both the Classes of 2015 and 2016 have completed Cyber Fundamentals I. Those classes will finish the series with Cyber Fundamentals II during their second class year.

Beyond these two introductory classes, Academy officials also acknowledged the critical need for a full course of study in cyber security. With the recent approval of the Cyber Operations major—the first new major in eight years—the Naval Academy became the only service academy to offer a major so uniquely dedicated to this field of study.

"Our Cyber Operations major is a broad interdisciplinary course of study comprised of both technical and non-technical classes," said Tortora. "The result is a better-educated, better-



Left to Right: CAPT Steven "Doc" Simon, USN, former director of the Center for Cyber Security Studies; CAPT Victor Delano '41, USN (Ret.), class president; VADM Michael H. Miller '74, USN, superintendent; and Dr. Andrew Phillips, academic dean and provost. The Class of '41 has invested in cyber security through private gifts for the Naval Academy, as have the Classes of '66, '67, '76, '85 and '94.

informed and thus better-prepared naval officer who possesses a more complete understanding of the challenges faced by our military in defending our nation's cyber frontier."

"Cyber operations is the most important up-and-coming threat to U.S. security, on par with the threat

posed by nuclear weapons development several decades ago," said Academic Dean and Provost Andrew Phillips. "It was an obvious decision to add Cyber Ops to the academic program in order to allow our graduates to defend America's cyber arena. Not to do so would be the equivalent of suggesting that it is not important to defend ourselves as a nation, and that is simply unacceptable."

With the addition of the required Cyber Fundamentals courses to the curriculum and the new major in Cyber Operations, Academy officials faced an immediate need for a suitable space in which to house faculty offices, classrooms, lecture spaces and instructional labs. As a result, the Center for Cyber Security Studies was born—on paper.

Currently, the Center shares existing office and classroom space with the Computer Science Department in Michelson Hall.

Naval Academy Chief Financial Officer Joe Rubino recently said that

*"The Naval Academy emphasizes cyber studies to best prepare the next generation of leaders to serve in this rapidly developing environment. To win on the cyber battlefield, midshipmen must understand how complex and intricate computer systems fit together, the strengths and vulnerabilities of networks and how best to leverage new technology."*

*—Richard Clark  
internationally recognized cyber security expert  
who spoke at the Academy in February*

from alumni and corporate donors. Rubino called such fiscal collaboration "split funding" and noted that its benefits are clearly visible in past projects, including the construction of Alumni Hall and the refurbishment of the Naval Academy Museum. In each instance, both alumni and private contributions significantly stretched government dollars and provided a margin of excellence at the Academy. These jointly funded projects resulted in better facilities for the Naval Academy that were more functional, better configured and more esthetically pleasing.

In the case of the Center for Cyber Security Studies, the vision is for a modern high-tech building with reconfigurable rooms and interior spaces, easily adapted to meet changing needs and technologies.

"During this pre-decisional funding phase, nothing is written in stone," Rubino said. "But it is a good sign that the project has received positive feedback from the Navy." ■

a concept design for the new building, which will be sited between Rickover Hall and Nimitz Library, has been developed, with construction costs estimated to be in the \$100 million range.

While federal funding has yet to be approved, Academy officials hope for a high level of participation

*Continued from page 4*

the increased interest in cyber within the brigade has a lot to do with the addition of required cyber courses to the Naval Academy's core curriculum.

Also competing from their home locations were teams from the U.S. Military Academy, U.S. Air Force Academy, U.S. Coast Guard Academy, U.S. Merchant Marine Academy, Air Force Institute of Technology and Royal Military College of Canada. During the exercise, representatives from each of these schools defended their virtual computer networks against malicious attacks by a team of NSA "hackers." Teams chose how to use the resources at their disposal to best defend their networks and to keep certain critical services running while the attackers attempted to infiltrate the networks and disrupt those services.

The entire exercise was conducted on virtual private networks while NSA computer specialists graded each team's ability to effectively maintain network services while detecting, responding to and recovering from security intrusions or compromises.

NSA designed the competition to give students experience with designing and implementing computer security solutions with limited resources, as well as to encourage some friendly competition among the services. The Air Force Academy won this year's exercise, gaining its fourth trophy—and its first consecutive victory—since the annual competition began in 2001. Navy last won in 2010.

Faculty members have also added elements of cyber warfare into the existing computer science and information technology majors, and early introduction to cyber has been helpful to the team, said Commander Michael Bilzor '92, USN, permanent military professor.

"So much of what they do in this exercise relies on the fundamentals," he said. ■



## Athletic & Scholarship Programs

### Prep School Seasoning Creates a Foundation for Friendship

Danny Quinn, an accomplished swimmer headed for a year of Naval Academy Foundation prep school seasoning, and John Richey, the Episcopal graduate who was on the same path to Navy as an excellent squash prospect, were paired as roommates in the fall of 2008 at Mercersburg Academy, one of the Academy's USNA Foundation prep schools. Nearly five years later, Midshipmen Quinn '13 and Richey '13, who have been tight friends ever since that bonding year in southern Pennsylvania, graduated and were commissioned in May.

Mercersburg, which has strong swimming and squash programs, was the perfect fit for them. Quinn could develop as an early contributor to Navy's ultra-competitive swimming team and Richey could improve academically.

"Mercersburg Academy is one of 19 institutions in our prep program," explained Captain Ed Wallace '73, USN (Ret.), executive director of the Foundation Athletic & Scholarship Programs. "Each year the Athletic & Scholarship program sponsors between 50 and 60 candidates for post-high school study. In our nearly 70-year history, we have sponsored more than 3,500 motivated candidates who have graduated from the Naval Academy."

Through a need-based scholastic program, the Foundation provides one year of post-high school education to qualified young men and women who need further academic preparation before they enter the Naval Academy.

"My SATs weren't high enough to make the cut originally for the Naval Academy. I was afraid I wasn't going to get in, and I was looking at Franklin & Marshall as my backup school," Richey said. "Then Coach [Navy's Craig Dawson] called me and said he had this offer through the USNA Foundation Prep Program to attend Mercersburg for a year of prep school. I thought about it for two

*Continued on page 7*

## The Fund for Athletic Excellence

### Inaugural Dinner Connects Donors with Student-Athletes, Coaches and Programs



Midshipman Kara Pollinger '14, Craig '65 and Fran Etka, and Stefanie Pemper, women's basketball head coach.  
*Photo by Debbie Latta*

Poignantly following a day filled with many Naval Academy athletic competitions on and off the Yard, more than 200 alumni, parents, friends, coaches, midshipmen student-athletes, administrators and Naval Academy staff converged on the Vice Admiral William P. Lawrence "N★" Room at Navy-Marine Corps Memorial Stadium to express their collective gratitude for those individuals who generously provide margin of excellence funding for Navy Athletics and the Academy's physical mission.

Chet Gladchuk, director of Athletics, welcomed the large and diverse crowd and thanked them for

"being part of something special." He reminded attendees that the Athletic Association, with the aid of margin of excellence funding, ensures that the Naval Academy remains the standard bearer in the physical development of tomorrow's leaders.

Following Gladchuk, Byron Marchant '78, president and CEO of the Naval Academy Alumni Association and Foundation, spoke directly to the coaches in his remarks. "You are training our warriors," said Marchant. "All will be leaders in the fleet, and they have become volunteer leaders in the Alumni Association and Foundation."

As the evening progressed, midshipmen, selected by their coaches

to represent their respective sports, spoke about the difference private support has made in their training and overall development. Their words and experiences vividly illustrated specific applications of margin of excellence funding provided through the Fund for Athletic Excellence. Midshipmen Kelsey Learned '13 and John Howell '13 expanded on that concept and spoke about their experiences as Naval Academy student-athletes (soccer and football, respectively) preparing them for their future service in the Navy and Marine Corps, Learned as a surface warfare officer and Howell as a Marine Corps pilot.

Reinforcing part of the evening's underlying purpose, Steve O'Brien, associate athletic director for development, said, "Tonight is about highlighting the product of your investment. From introducing our impressive student-athletes to highlighting the phenomenal head coaches and programs to showcasing the facilities that you have experienced firsthand, we want you to be confident that we have been, we are, and we will continue to be, good stewards of the financial resources that you so selflessly provide."

Offering evidence of that stewardship, three head coaches were presented with the NAAA's 2013 Coaching Excellence & Leadership Awards by Gladchuk. The recipients, Ken Niumatalolo, head coach for Navy football, Carin Gabarra, head coach for women's soccer, and Carla Criste, head coach for women's indoor and outdoor track & field, were all recognized for their outstanding efforts in support of the Naval Academy's physical mission and the Brigade of Midshipmen as educators and mentors for their student-athletes.

The evening concluded with a heartfelt address delivered by Rear Admiral Tom Lynch '64, USN (Ret.), former Superintendent of the Naval Academy and current chairman of the Foundation's Athletic & Scholarship Program Division Board of Trustees, explaining why he is so passionate about supporting the Fund for Athletic Excellence. As captain of Navy's legendary 1963 Cotton Bowl Team, a 2010 U.S. Naval Academy Alumni Association Distinguished Graduate Award recipient and Athletic Excellence contributor, his words carried authority and much weight.

"I would not be here if not for Navy athletics," said Lynch. ■

## Athletic & Scholarship Programs

*Continued from page 6*

minutes and called him back to tell him I was coming."

Richey and Quinn point to numerous leadership lessons learned during their time at the Naval Academy, and each singled out his experience as a team captain. Each also relied on the other to share perspective on such a busy job full of responsibility.

"The hardest part isn't running a practice. It's keeping a relationship with everybody on the team," Richey said. "You want to be there to back them up if they get into trouble, or if they're struggling because their parents are going through a divorce, or whatever. You have to figure out what makes every person tick."

"People elect you team captain because they want you to lead. You become a captain because you want to lead," said Quinn. "Everything I've learned about leadership is traced to the swimming program. This year was the most fun, and it was the most humbling. You're the guy everybody is looking up to. You're not the boy out of Mercersburg anymore."

Quinn and Richey say they are ready for the next phase of their careers. Following their graduation and commissioning, Richey will begin training in Pensacola in September to become a U.S. Navy pilot. In December, Quinn—after acting as a groomsman at Richey's wedding—will begin training as a U.S. Navy Explosive Ordnance Disposal technician.

Both the Foundation and the Naval Academy Prep School are valuable resources in our mission to develop the next generation of leaders to serve our nation, explained Wallace.

"They provide opportunities not otherwise available to sailors and marines who have already demonstrated leadership traits in service to receive academic preparation prior to admission to the Naval Academy," he said. "They also assist in providing a year of academic preparation to other candidates who have been determined by the Admissions Board to have leadership and character attributes highly desired in a Navy or Marine Corps officer, but who would benefit from an extra year." ■

The margin of excellence funds current use needs that arise throughout the year and are not covered within the athletic department's larger, annual operating budget. The Fund for Athletic Excellence provides



roughly \$1.5 million in annual support, support that is not just limited to the Academy's 33 varsity sports, but also includes the Academy's overall physical mission, consisting of club sports and intramural programs, as well as support for the Naval Academy Preparatory School athletic programs in Newport, RI.



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## In This Issue

⚓ Naval War of 1812	1
⚓ Cyber Security Studies	4
⚓ Athletic Excellence	6

2013 ISSUE 1



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