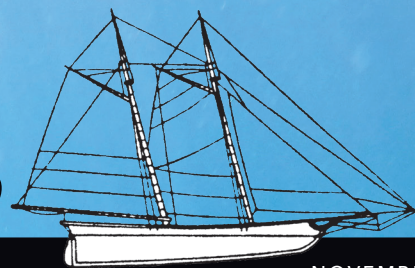



Stem to Stern



NOVEMBER
2023
VOLUME 40

A Newsletter for our Maritime Studies Alumni and Friends

PROGRAM IN MARITIME STUDIES | THOMAS HARRIOT COLLEGE OF ARTS AND SCIENCES | EAST CAROLINA UNIVERSITY® | GREENVILLE, NC



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... a newsletter of East Carolina University's
Program in Maritime Studies

Core Faculty:

Nathan Richards, PhD, Director
Lynn B. Harris, PhD
Jennifer McKinnon, PhD
David J. Stewart, PhD
Jason T. Raupp, PhD
Eric O. Oakley, PhD

Staff Archaeologist:

Jeremy Borrelli

Office Manager:

Karen Underwood

Editor:

Alex Owens

Assistant Editor:

Ian Shoemaker

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Program in Maritime Studies
Admiral Ernest M. Eller House
East Carolina University
Greenville, NC 27858-4353

Please visit the ECU Maritime Studies website at maritimestudies.ecu.edu for additional news and information about the program. A digital copy of this newsletter can be viewed online at <https://maritimestudies.ecu.edu/publications/>

FRONT COVER: ECU Summer Field School Students Mapping (Photo by Brenda Altmeier, NOAA)

BACK COVER: Alex Morrow and Geoff Anthony Sketching wreck of a Barnett-Class Lifeboat (Photo by Jack Potter)

Thank you for your support!

The Program in Maritime Studies is extremely thankful for contributions made by our readers and friends. These contributions fund a scholarship that helps to alleviate the cost of education and research for students in the program.

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From the Editorial Staff

This issue marks *Stem to Stern's* 40th volume, which features field schools from the sunny beaches of Antigua to the warm waters of the Florida Keys. ECU students have fully recovered from the COVID-19 Pandemic and have landed jobs and internships with notable national agencies such as NOAA (National Oceanic and Atmospheric Administration), which everyone in the program should be immensely proud of. More than ever, the caliber and quantity of fieldwork has been increased, and Program in Maritime Studies students' ambitions refused to be culled. By reading this issue, readers should grow more excited about the direction of the Program in Maritime Studies in this ever-changing world. 🌊

– Alexander Owens, Editor

It has been a fantastic and wonderful opportunity to work on the 40th volume of *Stem to Stern*. The dedication and skill of those involved with the program is remarkable, and I hope that you all enjoy reading about this past year's accomplishments as much as I have had with learning about the program and its students' endeavors. As we kick off the academic year of 2023-24, I am eager to emphasize the skills and experiences of the individuals who have been welcomed into the ECU Program in Maritime Studies. The upcoming years promise exciting prospects as we collectively achieve and grow. Together, we are poised for success and bound for exciting horizons. 🌊

– Ian Shoemaker, Assistant Editor

**Would you like to support the ECU Program in Maritime Studies' research and events?
Please send donations in one of the following ways:**

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or

Make a check payable to: Program in Maritime Studies/East Carolina University, mailed to: Program in Maritime Studies, East Carolina University, 302 East 9th Street, Greenville, NC 27858

– Thank you

From the Quarterdeck:

This 40th volume of *Stem to Stern* seems to be bursting at its seams, reflecting the fact that 2023 has been another busy year for the Program in Maritime Studies. Our field school schedule has always been busy, and the past twelve months have shown no signs of slowing down. In the summer, Dr. Harris, Dr. Raupp, and Jeremy Borrelli led a group of students to Antigua for the second field school there in two years. This is an initiative kickstarted by ECU's involvement with the UNESCO UNITWIN Network on Underwater Archaeology, and this year was in collaboration with the Antigua and Barbuda National Park Authority.

In what felt like an "endless summer," the Fall Field School, led by Dr. McKinnon and I traveled to the Florida Keys National Marine Sanctuary to work on a range of sites from American Shoal and Looe Key to Sombrero Key and Delta Shoal. Working with the FKNMS personnel Brenda Altmeier and Matthew Lawrence (MA Maritime Studies '03) was a true pleasure – with students seeking reported sites, recording many, and learning everything from circle searches to side scan sonar. Thanks are owed to the Mote Marine Lab in Summerland Key (our lodging), and the Crane Point Museum and Nature Center (Marathon, FL) for hosting us, and for contributing to the success of the field school. On the other hand, I believe I speak for our group when I say that neither the stinging *Aurelia aurita* nor the blood sucking *Ceratopogonidae* are owed our thanks for their efforts on sea or on land.

These field schools would not be possible without the assistance of the personnel from the Thomas Harriot College of Arts and Sciences and ECU's Diving and Water Safety Office (DWS). We can't thank Mark Keusenkothen (director), Ryan Bradley (diving safety officer; MA Maritime Studies '15) and Captain Eric Diaddorio enough for their ongoing collaborations with our field schools. This work is impossible without them.

As per usual, field schools were not the only field projects undertaken since last year's volume went to the press. Over the past twelve months, faculty and students have traveled extensively overseas, including missions to Australia,

the Northern Mariana Islands, Guam, Türkiye, American Samoa, Italy, Egypt, and Israel. Closer to home, projects also occurred in North Carolina (Cape Fear River, Tar-Pamlico River), Maryland (Potomac River), and Washington state.

Evidence of externally sourced collaborations run throughout this volume. Our students were also invited into internships with NOAA's Office of Ocean Exploration and Research, where they were exposed to high-tech tools and exciting new inter- and multi-disciplinary approaches or received once-in-a-lifetime opportunities thanks to funding from the Johnson Family Scholarship (funding Madison Elsner's field experience at Tel Abel Beth Maacah, Israel), and the Robert J. Gowen and D. Waid Akeman Research Endowment (funding Katelyn Rollin's fieldwork in Egypt). Students were also invited to be involved with the recovery of a Tuskegee Airman aircraft wreck in Lake Huron, Michigan (a project spearheaded by program alumnus and Michigan's State Maritime Archaeologist Wayne Lusardi; MA Maritime Studies '98).

Field schools and field projects together, these initiatives represent faculty- and student- collaborations with a diverse array of organizations, including Task Force Dagger, the Defense POW/MIA Accounting Agency (DPAA), a multitude of National Oceanic and Atmospheric Administration (NOAA) sanctuaries and programs (Mallows Bay-Potomac River, USS Monitor, Olympic Coast, Florida Keys, American Samoa, the Office of Ocean Exploration and Research, and the Dr. Nancy Foster Scholarship Program), the Florida Public Archaeology Network (FPAN), Flinders University, Cranfield University, Radford University, Ships of Discovery, UNESCO UNITWIN, the Maryland Historical Trust, the Antigua and Barbuda National Park Authority, and Michigan's Department of Natural Resources. Thanks to all these organizations for providing our Maritimers with these opportunities to collaborate and benefit from your expertise and support.

On an administrative front, 2023 saw major changes to the MA in Maritime Studies come into effect. After two years of hard work, our degree program underwent a curriculum overhaul (the first in many decades). Students entering

the program from the fall of 2023 on will encounter slight variations in core requirements (four core classes are now needed, including an additional course in historiography), one or two research skill courses, with the rest of their credits falling into an "electives" category. The simplified degree structure has done away with the past distinction between "professional phase" and "history elective" courses that hampered student course selection and made scheduling difficult. This new framework (see here: <https://maritimestudies.ecu.edu/courses/>) places an increased emphasis on students and their thesis adviser making course selections that will enhance thesis research. Another part of the overhaul was a series of course name changes. In some cases, these changes were made to ensure content is better represented by a course title (e.g., HIST 6820 "Research Methods in Maritime Archaeology," is now "Maritime Archaeological Field Methods"), but a series of broad maritime history courses have had their titles simplified to allow for instructors to integrate world history themes of their choice into previously Western-focused course content. In all, around seven courses were renamed.

We continue to refine and expand our website, and the program has expanded its social media presence. Thanks to the vision and hard work of Jeremy Borrelli, our lab spaces are constantly improving, as has the size of our arsenal of gadgets, software, and capabilities. In the past year, we've added a Xylem YSI, and an IML underwater resistographic drill to our interdisciplinary arsenal and now have two inspection-class ROVs (Remotely Operated Vehicles) available for research and teaching. So too, the Ruppe Library has seen significant expansion over the past three years, and we are coming up on the completion of a complete re-cataloging and stock take of it. At almost 4,000 individual items (and counting), the reorganization of the collection has been a painstaking task. While there have been many students involved in its reorganization, I must thank Ian Dunshee, Alex Owens, and Ian Shoemaker for coordinating our final push to complete the revised cataloging.

Another big development in the

continued on page 5

During the Summer of 2023, East Carolina University Maritime Studies student Raymond Phipps was selected for the National Oceanic and Atmospheric Administration (NOAA) Ocean Exploration's Explorer-in-Training, EiT, program. This program provides an opportunity for emerging scientists to hone skills they may already have and to learn other valuable career-orientated skills. For this summer, NOAA Ocean Exploration offered its first remote 10-week EiT internship focused on underwater cultural heritage in order to help train the incoming generation of maritime archaeologists. Raymond was afforded numerous opportunities, such as engaging with many veterans from the ocean exploration community, developing best practices for data acquisition from deepwater shipwreck sites, and taking part in workshops to help him in his future goals with ocean exploration.



Deep Discoverer discovers a B-29 Superfortress resting upside down on the seafloor. (Photo by NOAA Office of Ocean Exploration and Research, 2016 Deepwater Exploration of the Marianas)

Raymond was given a plethora of tasks during the 10-week internship. One of the main objectives he was given was making archaeological annotations to archived remotely operated vehicle (ROV) video footage from previously explored underwater cultural heritage sites using Ocean Networks Canada SeaTube V3. Raymond's expertise in wooden ship construction helped immensely with this task as the sites being examined ranged from the early 18th century to vessels from World War II in the 20th century. The hope for these annotations was to aid in vessel identification, identifying construction methods, and additional site features that could be archived and made searchable for future research. In addition to examining this footage, Raymond was given an opportunity to create a National Register of Historic Places eligibility

templates that would help inform about future ocean exploration dives, namely the expeditions made to the World War II aircraft carriers USS *Yorktown*, IJN *Kaga*, and IJN *Akagi* near the Midway Atoll. This provided firsthand experience with Section 106 of the National Historic Preservation Act of 1966 and an understanding of the various criteria for sites being listed on the National Register.

The final objective Raymond accomplished was the development of a recommendations document to help improve data acquisition for photogrammetric modeling using ROV video footage at depths greater than 200 meters. This document also included a step-by-step workflow using Agisoft Metashape to process this footage to create accurate products that can be used for research and public outreach. This portion was heavily influenced by Kōtarō Yamafune's Agisoft Metashape workflow (Yamafune 2022). To collect the data, a checklist was created to allow for the best ROV flight paths on underwater cultural sites that the circumstances would allow. East Carolina University graduate Andrea Yoxsimer's thesis titled "*Amakasu Maru No. 1: An Analysis of a Remotely Operated Vehicle Survey on a WWII Japanese Requisitioned Shipwreck in the Pacific*" was referenced to help inform on best practices for this section of the recommendations document.

The objectives given to Raymond were challenging and provided him with a great experience, but one of the most beneficial experiences he was given was the opportunity to network with over 15 employees of various federal agencies to include NOAA Ocean Exploration, NOAA Office of National Marine Sanctuaries, and the Department of POW/Missing in Action Accountability Agency. These networking opportunities provided insight into each individual's path they took to get to where they are today and advice to any emerging scientist seeking a similar career path. As a graduate student, this was a priceless experience that provided Raymond with a unique glimpse inside the inner workings of the federal agency and provided experiences that will be taken forward in his career as a maritime archaeologist. 🌊

– Raymond "Ray" Phipps

From the Quarterdeck, *continued from page 3*

program was the hiring of a new maritime historian. As I noted in the 2022 *Stem to Stern*, the retirements of Dr. Carl Swanson, Dr. John Tilley, Dr. Wade Dudley, and Dr. Michael Palmer left us with gaping holes in instruction and limited advising options. Late in 2022, a position for an American maritime historian was granted to the department and over the spring of 2023 we were lucky to interview four talented historians for the position. We were very happy to offer the position to Dr. Eric Oakley, who agreed to join our department, starting his first semester this fall. Welcome Dr. Oakley!

Unfortunately, 2023 also had its low points. The passing of Dr. William N. Still last January marked the end of an era. Dr. Still (born 25 September 1932) became a faculty member in ECU's Department of History in 1968, coming to us from his first academic appointment in Mississippi (in 1959). He founded the Program in Maritime Studies with Dr. Gordon Watts in the early 1980s, eventually retiring in 1994. Always active in research, he was a giant of American maritime history, authoring scores of award-winning books. He continued to be a great supporter of our program after retirement and was an incredible mentor to a host of maritime historians and archaeologists across the nation. Before Dr. Still's passing, he had established the William N. Still, Jr. Papers in Joyner Library (manuscript collection #139), and with his passing his family kindly donated a large collection of books to Ruppe Library. Also, thanks to his family, more than a dozen of Bill's awards and commendations now hang in the Eller House conference room. His incredible legacy can't be forgotten. Then in September the program was devastated with the untimely passing of one of our MA in Maritime Studies graduate students, Brett Randolph Hood (1988-2023). Brett was widely admired at ECU, having received his BA here, and having a host of fans in North Carolina's diving industry. A kind, charitable, energetic, and incredibly positive person with an adventurous spirit, we are going

to miss him incredibly.

As we near the end of 2023, the activities aren't over. As I write this in piece, Dr. Raupp is readying to leave for a project in Roi-Namur (Kwajalein Atoll, Marshall Islands), a shipwreck is about to be recorded on the Cape Fear River, new Pacific Ocean-focused projects are in planning phases, and data collection

focused on Maryland are planned for every three months through this year and the rest of the year. Additionally, plans for field schools in 2024 are in development, and other projects from the eastern seaboard to Alaska are coming together. Volume 41 is gearing up to be a packed issue. 🐚

– Nathan Richards, PhD

ECU Maritimers Receive Awards

Stem to Stern is pleased to announce news of the following awards:

Ian Dunshee

- Roy N. Lokken Memorial Scholarship

Madison Elsner

- Bodo Nischan Memorial Graduate Scholarship in History
- Johnson Family Excavation Scholarship, Tel Abel Beth Maacah Project

Thomas Fosdick

- Admiral Ernest M. Eller Graduate Fellowship in Modern Naval History

Levi Holton

- Henry C. Ferrell, Jr. Graduate Scholarship in History
- Second Place Graduate Paper Award, Southeast World History Association Conference 2023

Brett Hood

- Lawrence F. Brewster Graduate Fellowship in History

Alex Morrow

- Barbara and Matthew Landers Graduate Fellowship in History

Aero O'Hanlon

- Roy N. Lokken Memorial Scholarship
- Third Place Graduate Paper Award, Southeast World History Association Conference 2023

Alex Owens

- Admiral Ernest M. Eller Graduate Fellowship in Modern Naval History

Raymond Phipps

- Explorer-in-Training Intern, National Oceanic and Atmospheric Administration (NOAA) Ocean Exploration

Dante Petersen Stanley

- ACUA & RECON Offshore Diversity, Equity, and Inclusion Student Travel Award

Katelyn Rollins

- Robert J. Gowen and D. Waid Akeman Research Endowment
- William Hamlin and Mary Quaife Tuttle Graduate Scholarship in History

Konstantinos Raptis

- William Hamlin and Mary Quaife Tuttle Graduate Scholarship in History

Allyson Ropp

- NOAA Dr. Nancy Foster Scholarship
- ECU Anja Sjostrom Memorial Scholarship in Coastal Studies
- ECU Mary Ferebee Howard Scholarship in Marine Studies
- ECU Water Scholars
- Women Divers Hall of Fame Cecelia Connelly Memorial Scholarship in Underwater Archaeology
- American Museum of Natural History Theodore Roosevelt Memorial Grant

Chris Triplett

- Barbara and Matthew Landers Graduate Fellowship in History
- Society of Historical Archaeology Field School Scholarship

Logan Willis

- Paul Murray Graduate Scholarship

From the Field - Excavation of a Tuskegee Airman in Lake Huron, MI

In August 2023, an invitation was sent out to several members of the Maritime Studies program to participate in an excavation in Lake Huron, Michigan, by the State's Maritime Archaeologist Wayne Lusardi. He and his team had been working for most of the month preparing to recover the wing and engine assemblies of a Bell P-39Q Airacobra lost in a training accident during World War II. This was not just any Airacobra, however, but one flown by a member of the famed Tuskegee Airmen, Lt. Frank Moody. The Tuskegee Airmen were this country's first African American military pilots, making this not just an incredible opportunity to develop the skills taught in this program but a chance to help preserve the story of the brave men who fought two wars: one against the Axis powers abroad and another against racial injustice at home. The general history of the Tuskegee Airmen, their use of the Bell P-39 Airacobra, and Lt. Frank Moody can be found in the reports and publications compiled by Wayne Lusardi for the Michigan Department of Natural Resources.

The project to determine the extent of the site and record its remains began in 2015, with excavation beginning in 2018. This was, therefore, one of the final seasons of the excavation process, which had already recovered the propeller assembly, four .50 caliber machineguns and a 37 mm cannon, a 2-inch-thick bulletproof windshield, both cabin doors, and many other pieces from the wreckage, large and small, spread out over nearly half of a mile underwater. The goal of this season was to recover the wing and Allison V-1710 engine, which lay a few hundred feet apart on the bottom of Lake Huron. The engine still had many smaller disarticulated pieces surrounding it, the extent of which was still not entirely clear. This meant we needed to conduct searches to identify and record the location and nature of these pieces. Once done, they could then be removed from the water to undergo further

documentation and conservation. Indeed, it was important that the locations of anything associated with the engine were recorded so an accurate site map could be created, and its formation process could be understood.

On the other hand, the wing had few disarticulated members remaining as much of it had been recorded and recovered in past excavation seasons. The initial goal, therefore, was to fan out sediment that had accumulated around the wing to better understand its structural integrity while keeping an eye out for any unattached pieces that may be revealed. Throughout the week, it became clear that attempting an excavation of the wing this season would be unwise. Rather than risk catastrophic damage, the Principal Investigator, Wayne Lusardi, decided to wait until a later date to have a more considered and tailored approach to its eventual recovery. This was not the case for the engine, however, and on August 16th, 2023, the engine was recovered with the help of David and Drew Losinski, the father and son duo who originally discovered the Airacobra's remains.

The engine, along with the other artifacts recovered in this and previous excavation seasons, is currently undergoing conservation at the Tuskegee Airmen Museum located in Detroit, Michigan. From the lake bottom to the curator's laboratory, the excavation and conservation of this invaluable piece of history was conducted professionally, and it was an honor to be involved, however briefly. Furthermore, any student of archaeology would consider themselves lucky to have worked and learned from such talented members of the field who care deeply about proper methodology and so greatly value preserving our past. 🐼

– Thomas Fosdick



Thomas Fosdick extending a line reel (Photo by Nick Lusardi, Project Videographer)

From the Field - Travel and Scholarship: A NOAA Dr. Nancy Foster Scholars Trip to American Samoa



Coral colony at Fagatele Bay, American Samoa (Photo by Keiko Wilkins, UH Manoa)

Graduate school is all about finding new opportunities, making connections, and learning. Sometimes these opportunities combine into an incredible adventure around the world and change your life!

Allyson Ropp was fortunate to receive an incredible opportunity through the NOAA Dr. Nancy Foster Scholarship Program. This prestigious scholarship program was founded in November 2000 as a tribute to Dr. Nancy Foster, the former Assistant Administrator for Oceanic Services for Coastal Zone Management at the National Oceanic and Atmospheric Administration and the Director for the National Ocean Service (NOS), following Dr. Nancy Foster's passing. The scholarship program provides support for graduate-level studies in oceanography, marine biology, and maritime archaeology. This scholarship provides financial support and professional development to its recipients through different means, including an annual retreat. The breadth of studies and research possibilities this scholarship funds means that it brings together a diverse group of individuals within background and research interest to illuminate meaningful questions about the United States of America's national waters.

The annual retreat provides an opportunity for NOAA Dr. Nancy Foster Scholars to network with different NOAA National Marine Sanctuary staff, local constituents, and politicians, and most importantly each other. The location of the retreat moves yearly to expose the Foster Scholars to the different sanctuaries and NOAA sites. This year, they had the privilege

of traveling to American Samoa for 10 days!

Before leaving for American Samoa, the NOAA Dr. Nancy Foster Scholars met in Hawai'i, where they were treated to a lecture from maritime studies alum Dr. Hans Van Tilburg (Maritime Studies MA '95) about the maritime cultural heritage of American Samoa. Then they boarded a five-hour flight to Pago Pago – where the adventure truly began!

Upon arrival, Allyson was greeted by staff from the National Marine Sanctuary of American Samoa (NMSAS), their gracious hosts, with hand-crafted leis made of local flowers and platters of fresh fruit! They hit the ground running and never stopped during our ten days on the island. The retreat mixed together science communication training,



Traditional Samoan food served in a *mailo* (Photo by Allyson Ropp)

professional development, and the island's natural and cultural heritage. The science communication training and professional development took place at the Ocean Center, the visitor center for NMSAS. These trainings and workshops focused on sharing our science in various settings, including a 3-minute thesis, and mock speed interviews with different organizations and sectors from the island.

The remainder of time, Allyson experienced the natural and cultural heritage of the island through complete immersion in the culture and landscape. Most of her adventures were to National Sanctuary waters, including Fogama'a, Aunu'u, and Fagatele Bay. In each location, she hiked through the rainforest, observing local plant

and animal life along the way. One of the most interesting terrestrial features was the sheer number of bats! They were everywhere and flying around day and night. In the water, the corals were incredible! NMSAS protects a diverse array of ecosystems throughout its 13,581 square miles. These ecosystems include nearshore coral reefs, hydrothermal vents, seamounts, and deep-sea corals. The sanctuary also houses some of the most pristine, biological diverse, and largest reefs in the world, including one of the largest coral colonies in the world, "Big Momma." With this in mind, snorkeling on the reefs was almost a magical experience, where all the reefs were teeming with color and life.

In each location the scholars visited, stories and legends about the sites were told and food shared to connect them to the land and the culture. For example, at Aunu'u Island, they first participated in an *ava* ceremony, a *fa'a-Samoa* ritual in which a ceremonial beverage is shared across different community chiefs and speeches are given. During their visit, the ceremony consisted of the head chief and the talking chief of Aunu'u, the NMSAS superintendent, Chief Atuatasi, and Monique Baskin, the Deputy Director of the National Marine Sanctuary System. Following the ceremony, we were treated to a delicious local meal, consisting of taro, *palusami* (taro leaf, coconut cream and onion, fish in coconut cream and meat), and fresh coconut in a *mailo* (coconut frond plate). They then hiked through the village plantations and out to Ma'ama'a



Volcanic cliffs at Ma'ama'a Cove, Aunu'u Island (Photo by Allyson Ropp)

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From the Field - Excavation at Abel Beth Maacah, Israel

From 30 June through 23 July, third-year student Madison “Madie” Elsner was in Israel participating on a terrestrial excavation at Abel Beth Maacah, a biblical site near the border of Lebanon near Kibbutz Kfar Szold, a communal settlement. She went to Israel to view collections that would inform her thesis as well as participate in the 2023 excavation of Abel Beth



Excavation squares during the last week of the season. The closest square shows 2 mostly intact jars and other pieces of pottery. (Photo by Madie Elsner)

Maacah, 21 miles from coastal, ancient Tyre in Lebanon. The project, which excavates the ancient town, was led by Hebrew University of Jerusalem and Azusa Pacific University. Madie was assigned to Area K, a storehouse, one of the three major areas being excavated this season. Forty or more jars were found in this area in the previous year. This season the excavation team planned on extending the squares nearby to possibly find more

jars. The overall goal was to expand each area, to the north, east, and west, to find other artifacts that could date or explain the purpose of each room.

Each morning starting at 4:45 am, everyone boarded a bus to the site located 10 minutes away from the *kibbutz*. Before the day's excavation could begin, loose sediment was collected, and pictures were taken to capture the level reached the previous day. In total, Elsner completed one unit from the topsoil down to the depth of those surrounding her area, covering over 1 meter, and finding various pieces of pottery, bone, and new stratigraphic layers in the sediment. She also discovered several jars that were broken, two of which were almost fully intact, so they were carefully removed, and their contents emptied. The group added 10 new squares to the previously excavated areas, including the wall and foundations of the storehouse.

The volunteers had the weekends off, so they were able to travel around Israel or stay at the *kibbutz*. There were a few springs near where they were staying, which meant everyone could swim in our free time. On our second weekend, Madie and a few friends travelled to Haifa and visited several sites. They started at the Baha'i Gardens that were meticulously crafted to show off flowers and the building at the center. One of the highlights of the weekend in Haifa was the National Maritime Museum, where there were anchors from the period Madie is studying for her thesis. Although her thesis is from the 4th-2nd centuries BCE in North Africa, there was important artifacts found in Israel that relate. There are five large stone anchors with iconography, two

of which are rudders that relate to her thesis. Among these stone anchors, were parts of stock anchors dating to the time for her thesis.

Lastly, Madie was able to spend almost two days in Tel Aviv at the end of her trip. At the Eretz Israel Museum, there were coins from different periods, places of history, and groups of people that conquered parts of the southern Levant. Plenty of the coins used maritime iconography on one side or another. These iconographical examples inform her thesis of ships or parts of ships were depicted in various parts of the Mediterranean. This entire trip provided new information on the flow of ideas around the Levant and their trade relationships.



Stone anchor with steering oar iconography dated to the New Kingdom (16th-14th centuries BCE); recovered from Sea of Megadim. (Photo by Madie Elsner)

This excavation and looking at the collections helped Madie with her thesis, gave her experience in the Levant, and expanded her knowledge about the trade relationships in the area. The trip helped with her research and gave her a new perspective and information to use in her thesis. 🌍

– Madie Elsner

Travel and Scholarship

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Cove, a cove with special meaning to the villagers. Needless to say, the trip to American Samoa and the honor to be a NOAA Dr. Nancy Foster Scholar have been life changing. Not only has traveling to American Samoa to experience into the generosity, openness, and happiness of the Samoan culture. But also, the opportunities and fellowship provided by the NOAA Dr. Nancy Foster Scholarship to strengthen multidisciplinary and interdisciplinary research in different marine sectors and facilitate communication across different stakeholders through the educational support of bright, driven marine students! 🌍

– Allyson Ropp

Summer Field School - Nelson's Dockyard, English Harbour, Antigua and Barbuda

In June, first-year students traveled to English Harbour, Antigua, for Summer 2023 Field School. The project was done in partnership with National Parks Authority of Antigua and Barbuda (NPA). The team included Dr. Christopher Waters, Director of Heritage Resource, Delsey Gardner, Heritage Resources Officer of NPA as well as ECU professors Dr. Lynn Harris, principal investigator, and Dr. Raupp, co-principal investigator. ECU staff was also present with staff archaeologist Jeremy Borrelli, Dive Safety officer Mark Keusenkothen, and student crew chiefs



Summer Field School students mapping Nelson Dockyard's quay wall (Photo by Dr. Lynn Harris)

Olivia Livingston and Dayan Weller. With their help, the students of Summer Field School gained firsthand experience practicing maritime archaeology on several challenging sites in and around the historic naval dockyard. Students utilized their acquired skills of scientific diving, archaeological research methods, and historical research on 18th-century dockyard infrastructure, a 17th-century island fortification, a sunken metal lifeboat, historic sailors' graffiti on a water catchment, and other sites of interest to the Historic Naval Dockyard. English Harbour has a long history of English naval aggression in the Caribbean, used as a repair station for damaged Royal Navy vessels. Recently, it has become a popular yachting and historical tourism destination. Its colorful history provides archaeologists with a wide spread of sites to investigate, making it a perfect destination for ECU Maritime Studies students.

The first project the Summer Field School worked on was to analyze the wharf's quay wall. This wall was used to repair the underside of 18th-century

wooden vessels. This was done by careening, the process of turning massive capstans to pull a ship over onto its side against a submerged wall (wharf). Students employed their scientific diving skills to investigate the condition of the careening wharf. In teams of two, students descended into the silty harbor water, systematically recording the wall's features. One student took measurements of each massive stone block forming the wall, while the other drafted a scale diagram of the wall, enabling analysis of the wall's construction and condition. They also took baseline-offset measurements of each tier of stone blocks to form a cross-sectional view of the structure. Finally, they noted marine life inhabiting the wall: including feather duster worms, sponges, and mussels.

The team indicated several locations where large historic materials were possible. They performed a Heritage Impact Assessment of the site to which would note what locations needed proper investigation before scheduled harbor dredging takes place. ECU Maritime Studies students rose to the challenge. Over multiple days of diving, students performed circle searches and jackstay searches to determine the presence of significant cultural heritage lingering below the surface. Modern boating refuse was discovered and photographed, but no significant cultural heritage was identified, indicating that scheduled dredging can proceed without threatening the historic value of the dockyard. Students also investigated the remains of the Danish steel wreck *Adventure*. They mapped the shipwreck on snorkel, then descended on scuba to measure and record prominent features, including its masts and bulkheads.

Guarding the entrance to English Harbour is Fort Berkeley, an outpost fortified at the height of Royal Naval operations in the harbor. Field school participants searched for discarded material culture around the fort, items discarded from the fort or dropped overboard by passing ships. The students broke into two snorkel teams, one patrolling in a line on the inside of the fort's location in the harbor, the other

team was tasked to be on the outside. Various artifacts were uncovered, mostly glass bottles and pottery shards.

In 1733 a rainwater catchment was constructed northwest of the dockyard to supplement residents' access to fresh water. By 1736, visitors to English Harbour, likely naval sailors, were carving their initials, full names, names of the ships they arrived on, and the dates they arrived in the harbor onto the inside walls of the catchment. Some of their carvings remain to this day and became a source of interest to the Maritime Studies students. Students spent several hours in the shadeless stone basin recording the historic graffiti, copying it in their notebooks, and photographing it to ensure its preservation against further erosion. Some elaborate markings refer to historic vessels; identified dates span 1736 through 1779. Two students interviewed locals to learn their uses and memories of the catchment. Several recalled biking and skating inside the structure, while others used it to play football and cricket. During the study, several locals were observed using the water stored in the structure to wash their cars, indicating that the catchment remains a staple for water access nearly 300 years after its construction.



Group Photo of Summer Field School (Photo by Jeremy Borrelli)

Students next went to do fieldwork in the neighboring Falmouth Harbour. This was the location of the earliest settlement, and in the late 17th century, a fort was built on a small island in the harbor by the name of Fort Charles. Students waded out to the fort (only a couple falling into sinkholes along the way) and investigated the structure and its surroundings. Teams took turns

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From the Field - The Search for *Sv. Nikolai*

From August 13 to September 9, 2023, a team from NOAA and the ECU Program in Maritime Studies and Diving and Water Safety Office conducted an Oceanographic Exploration and Research (OER) funded project in the Olympic Coast National Marine



(From Left to Right) Ryan Bradley and Dayan Weller on-board NOAA's *Storm Petrel* (Photo by Maddie Roth)

Sanctuary (OCNMS). The aim of this project was to locate the remains of the Russian-American Company schooner *Sv. Nikolai*, which had wrecked on the Olympic Coast of WA in 1808. Led by principal investigators Madeline Roth (NOAA) and Katie Wruble (OCNMS), the search for *Sv. Nikolai* was conducted with support from ECU graduate student Dayan Weller, ECU Dive Safety Officer Ryan Bradley, divers from NOAA's Seattle-based Diving Center, and the crew of the sanctuary research vessel *Storm Petrel*. In addition to the field crew, the team worked in cooperation with representatives from the Hoh Indian Tribe, the Makah Tribe, and local students from the Marine Advanced Technology and Education (MATE) program.

Before commencing the operations, the newly constructed R/V *Storm Petrel*- a 52-foot catamaran-style aluminum ship-had to be outfitted hydrographic survey. These preparations included the crane lifting of two winches onto the vessel, the installation of a side-mounted arm to support a multi-beam sonar system, and the setup of computer systems and monitors inside the vessel's cabin for use during survey. The vessel's spacious back deck (especially after the removal

of unnecessary components used during the first phase of the project) provided comfortable quarters for divers and equipment storage.

The first two weeks of the project were dedicated to surveys of the sanctuary waters off La Push, WA. Initially, multi-beam sonar was employed to cover the entire potential target area. Unlike side-scan sonar, this multi-beam data was not used to identify wrecks but to establish precise bathymetry. Due to the semi remote location of the survey zone, many of the potential wrecking areas lacked modern mapping or reliable depth data. Once the multibeam data allowed for a safe assessment of where towed remote sensing equipment and dive operations could take place, side-scan sonar and magnetometer lines were run to identify potential archaeological sites.

The third week of operations unfolded at the Olympic Natural Resource Center (ONRC), where the collected survey data was processed to identify targets. A challenge arose from the geology of the coastal survey area, where many geologic formations were composed of volcanic rock that produced returns indistinguishable from anthropogenic anomalies when consulting magnetometer data alone. Dozens of targets were identified, with the most promising ones selected for diving based on the response and duration of the magnetic anomalies (no targets were identified through side-scan sonar).

In the fourth week, diving operations were conducted from both R/V *Storm Petrel* and *Minnow*, a smaller boat used more frequently in NOAA fisheries studies. These vessels alternated dives, with one team in the water while the other prepared for the next dive and stood by in case of emergency. Divers conducted circle searches at the coordinates of magnetic anomalies in typical depths of around 50 feet, usually completing dives in under 30 minutes once it was clear that no material culture was present. Though all operations were conducted in dry suits, the relatively mild water temperature and weather conditions made for pleasant diving. Underwater visibility varied significantly between targets, ranging from up to six feet to less than a foot. While archaeological sites were elusive,

the Olympic Coast teemed with abundant marine life, bringing routine excitement to both diving and boating operations. Daily sightings of gray whales, dolphins, numerous pinnipeds, and even a close encounter with an ocean sunfish added made for memorable afternoons spent cruising the OCNMS.

Towards the end of the diving phase, dives were conducted on known wrecks within the sanctuary waters, in some cases marking the first official dives in a sanctuary capacity. Additionally, young adults from the MATE team Sea Dragons had the opportunity to debut their remotely operated vehicle (ROV) in the ocean. The ROV successfully completed



The bow of *Storm Petrel* when docked (Photo by Dayan Weller)

multiple target dives, captivating an eager audience watching from monitors onboard R/V *Storm Petrel*. At the conclusion of the fourth week, R/V *Storm Petrel* was demobilized just as it had been prepared at the beginning of the endeavor, and after an expedient cleanup, the crew said their goodbyes and departed home. Throughout the extensive search for *Sv. Nikolai*, the OCNMS stood as a breathtaking backdrop, adding an extra layer of charm to this remarkable expedition, one unlikely to be forgotten by all involved. 🌊

— Dayan Weller

From the Field - Thesis Field Work in Saipan, Northern Mariana Islands



Alex Morrow holding the fill bag for the dredge (Photo by Nicole Grinnan)

One of the main reasons Alex Morrow decided to pursue a degree in the ECU Program in Maritime Studies was so that he could one day support the DPAA's mission to locate and repatriate America's missing service members. In the spring 2023 semester, he was fortunate enough to have been able to join Dr. McKinnon's DPAA mission in Saipan. A group of seven ECU professors, staff, and students made the thirty-five-hour trip to Saipan. There, they met two members of the Florida Public Archaeology Network (FPAN) based in Pensacola, Florida, and nine representatives from Task Force Dagger (TFD). TFD is a veteran's support organization which trains Special Forces veterans and their families in scuba diving. Dr. McKinnon has had a longstanding relationship with TFD and has trained them in and employed them as citizen scientists. The relationship is very mutually beneficial and incredibly impactful. The veterans have a chance to reconnect with

friends and participate in a mission that is deeply meaningful to them, while we have extra hands to help conduct our excavation and get the opportunity to learn from their military expertise as well as their general life experience.

While the primary goal for the mission was to search for the remains of the pilot of a downed and submerged F6F-3 Hellcat, Alex Morrow was also there to collect data on their master's thesis based on the same Hellcat. He will be studying the potential of implementing aircraft crash investigation techniques (ACIT), similar to what the National Transportation Safety Board (NTSB) or Federal Aviation Administration (FAA) would use after a plane crash, to help archaeologists better understand site formation. There were many potentially diagnostic features around the site: much of the wreckage was broken into small pieces, there was evidence of burning on many aircraft pieces and a lot of burnt shell hash, some of the bullets had left their casings despite not having been struck by a firing pin, and the engine itself was split. All of these factors point to the aircraft hitting the water at a high speed and at a steep angle. What Alex wants to know is: would professional aircraft crash investigators agree with that assessment, and if so, what could that information tell archaeologists about the wrecking event and the human experience of the pilots? For example, is there anything about the wreckage that can give information about the specific speed or angle of the aircraft, or was it in multiple pieces when it entered the water? His aim at the end of his thesis is to create a prediction model to help future archaeologists understand what to look for when they approach a new aircraft wreckage site. This research will be helpful to the DPAA in their mission to recover the thousands of service members who still remain missing.



Members of TFD and ECU preparing to excavate 2-m by 2-m units (Photo by Nicole Grinnan)

Their excavations started on March 7th and went through to the 15th. During that time, the team excavated multiple 2-m by 2-m units, and Alex Morrow conducted a probing survey around the site to attempt to determine the presence of an impact crater. The experience was both incredibly fun and educational. Saipan is a beautiful island with crystal clear water; from the boat, the divers were visible when excavating the site 30 feet down. The excavation was fun as well. Alex had never been on an archaeological project before and had an incredible time helping uncover artifacts and putting the puzzle pieces into a larger picture of the site. He was very thankful to gain experience with excavation, unit recording, probe surveys, screening, recording and logging artifacts, and learning what different materials look like underwater. Alex had a fantastic time with the work and with the people, and it was profoundly meaningful to support a DPAA mission alongside so many combat veterans. Alex Morrow is incredibly grateful to both the Maritime Studies program and Dr. McKinnon for having given me this opportunity, and he is very excited to continue working on his thesis. 🙌

– Alex Morrow

Deep-Water Archaeology in the Strait of Sicily, Italy



Group photo of Kostas (Back row, 4 from the right) and scholars holding the two AUVs in front of R/V Hercules (Photo by Christopher Beagley)

In June 2023, Konstantinos Raptis joined the first season of a deep-water archaeological survey, under the direction of Dr. Lisa Briggs and Dr. Peter Campbell (MA Maritime Studies '09) in the Strait of Sicily (*Canale di Sicilia*), located between the western coast of Sicily and the promontory of Cape Bon in Tunisia. The Strait of Sicily forms a narrow passage in the Mediterranean Sea through which all maritime activity has been forced to travel since the Bronze Age. Due to its geomorphology and unpredictable seas, many vessels have sunk on this passage over the centuries. A collaboration between the *Soprintendenza den Mare* (Italian Superintendent of the Sea), *Regione Sicilia* (Sicilian Regional Government), and Cranfield University with financial sponsorship from Honor Frost Foundation. The project sought to test the use of a new series of small Autonomous Underwater Vehicles (AUVs) for rapid deep-seas surveys, Micro-AUVs have the potential to locate shipwrecks and submerged landscapes, as well as rapidly map and record salvage.

Seaber's AUVs are fitted with interchangeable sidescan sonar transducers for low and high frequency (200 kHz and 680 kHz) scanning and utilize user-friendly software (Sea Plan) to plan missions and remotely control the AUVs on the surface up to 5 kilometers (km). Additionally, the AUVs have integrated

cameras on the device's nose payload. They can operate at depths of up to 300 meters, with a battery life of around ten hours. At just over 11kg in weight, Seaber's Yuco Scan AUVs were launched by hand, which made deployment and recovery operations quite easy. At around €70,000, which for an AUV is low-cost, the Seaber's Yuco Scan is also easy to maneuver. AUVs, such as Seaber's Yuco Scan model, offer a path forward to democratize deep-water archaeology and bring the depths within reach of many archaeologists and countries. This includes regions surveyed by the Honor Frost Foundation and as an alternative to lower-income areas in the Global South, such as the continents of South America, and Africa, as well as regions like Southeast Asia.

The multinational team consisted of scholars from all around the world but was primarily composed of researchers from the eastern Mediterranean and scholars sponsored by the Honor Frost Foundation. The team systematically surveyed a 75 square km area, in 30 days with a budget suiting a moderate-sized project. Scholars were trained in deploying Seaber's Yuco Scan AUVs, recovery of AUVs from the sea, mission planning, and side-scan sonar data processing. The project was a unique experience where one could learn from practicing, sharing information, and collaborating. The project contained many challenges, which included creating an understanding of technological applications in a marine environment beyond the limits of regular scuba diving capabilities, getting involved with new technologies, and testing new devices is not only pioneering and vital for maritime archaeology but also a set of skills that can also be applied in other regions such as Greece, my area of interest. Greece's seawater is currently lacking surveys, as only a small part has been surveyed in the past. Thus, rapid surveys instead of diving operations would increase the potential to complete our picture of one of the busiest areas since early antiquity. Identifying and locating any kind of cultural heritage materials will lead to a better understanding and fill the existing gaps about trade ways, cargoes and many other questions that are yet to be answered. 🌊

– Konstantinos “Kostas” Raptis

Nelson's Dockyard

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surveying the surrounding waters and the nearby coastline on snorkel and mapping the fortification. Several cannons and conch shells were found during their search around the waters of the island. The land survey included mapping the walls of the battlements and the standing structure using GPS (Global Positioning System). Students also utilized conventional measuring devices and photographed prominent features like the faded charcoal graffiti inside the fort's powder magazine.

Maritime Studies students next investigated the wreck of the 52-foot

lifeboat *James and Margaret Boyd*. The site remains broken into top and bottom halves on the floor of Galleon Bay inside English Harbour, both remain popular snorkeling spots. The field school students studied the two sites on snorkel and scuba, mapping them using baseline offsets and measuring prominent features. They then performed 180-degree arc searches from the bow and stern to locate peripheral material that broke off the wreck, photographing their findings. Students also took extensive collections of photographs of the two sites to produce

digital photogrammetric models, so archaeologists and citizen scientists could examine the wreck without donning fins and snorkel.

The Maritime Studies students left Antigua with greater proficiency and confidence in their skills as maritime archaeologists. They learned to investigate a diverse set of sites and navigate the challenges of fieldwork and global travel. The experience was invaluable to their development as professional archaeologists, and they will draw on the skills learned this Summer in projects yet to come. 🌊

Theses Defended 2022-2023

John Detlie, *Black Gold in the Deep Blue Sea: An Exploration of Shipwreck Search Modeling in the Search for SS William Rockefeller*.

Kendra Ellis, *Shackleford Banks: Applying Archaeological and Geospatial Approaches to Maritime Settlement and Abandonment*.

Dominic Fargnoli, *The Scale of Conflict: A Levels of War and GIS Approach to the Battle of Roi-Namur*.

Matthew Pawelski, *From USS Stars and Stripes to Metropolis (1861-present): Modeling the Life, Loss, and Archaeological Site Formation of a Currituck Beach Shipwreck (Corolla, North Carolina)*.

Jillian Schuler, “Guns and Ships and so the Balance Shifts”: Using Artifact Patterning to Contextualize a Salvaged Assemblage Dated to the Battle of Yorktown, 1781.

Mackenzie Mirre Tabeling, *Exploring the Maritime Task System of Somerset Place*.

Lindsay Wentzel, “Stripped Clean by Wind and Water”: Historical and Archaeological Investigation of a Provincetown Plum-Pudding Whaling Company and its Reaction to a Dimming Industry.

From the Field - Sailing with the Pharaohs: Research at the Egyptian Museum in Cairo



Rollins at the pyramid complex at Saqqara; (Photo by Katelyn Rollins).

At the beginning of the summer of 2023, Katelyn Rollins spent a week and a half in Cairo, Egypt conducting archival research for her thesis on Egyptian watercraft iconography. Katelyn was awarded the 2023 Robert J. Gowen and D. Waid Akeman Research Endowment that allowed her to travel to Cairo and work with The Egyptian Museum staff to go through their internal collection to research ancient reliefs containing

depictions of watercraft. In addition to archival research, and exploration of the Egyptian Museum’s vast exhibits, she had the fortunate experience of being able to visit the ancient pyramids at Saqqara and the pyramids at Giza.

Katelyn’s thesis is an iconographic analysis of two main sets of watercraft reliefs from the 5th Dynasty pharaoh Sahure (2465 – 2325 BCE) and the 18th Dynasty pharaoh Hatshepsut (1507–1458 BCE), in which over a thousand years separate their reigns. These reliefs both contain a scene of an expedition from Egypt to Punt (likely modern-day Somalia), led by a fleet of

Egyptian ships. Katelyn will analyze how Hatshepsut legitimized her position by adopting the language and imagery of Sahure’s campaign to Punt, in which both reflect the use of watercraft as fundamental symbols of pharaonic power. The foundational sources on which her research is based are the mortuary temple reliefs depicting Sahure’s (at Abusir) and Hatshepsut’s (at Deir el-Bahri) respective voyages by boat. While one iconic version of each relief is well known, she is creating a catalog of all iterations of these watercraft scenes within each mortuary complex, in case variations are present. The pharaoh Hatshepsut has long drawn public and scholarly interest as the first known long-term female pharaoh in ancient Egypt. However, work on watercraft symbolism contemporaneous to either of these figures is surprisingly understudied.

While working with the Egyptian Museum staff, Katelyn was able to find relevant contemporaneous reliefs from the Egyptian Museum’s internal database that have led her to forming a catalog and a more complete understanding on the depictions of watercraft located in within Sahure and Hatshepsut’s mortuary temples. Royal reliefs, especially those monumental reliefs telling the story of the pharaoh’s reign by way of honoring the dead king’s soul, served their goals of regnal and divine legitimization while they were alive and shaped future ancient Egyptians’ cultural memory of them once they were gone. Katelyn aims to reexamine these “expedition to Punt” scenes from a Maritime Studies lens in hopes of furthering the understanding of the importance of watercraft symbology. 🚢

– Katelyn Rollins

From the Field - A Drone's-Eye View of the Ghost Fleet at Mallows Bay

As many regular readers of *Stem to Stern* know, students from the Program in Maritime Studies can take advantage of a multitude of opportunities in addition to the usual field schools and projects that make studying maritime archaeology at ECU second to none. In early September, third-year student Ian Dunshee was chosen by the National Oceanic and Atmospheric Administration (NOAA) to conduct a drone-based photogrammetry project in Mallows Bay-Potomac River National Marine Sanctuary near Nanjemoy, MD focused on creating three-dimensional models of its many historic vessels. Included among these are the towering remains of *Accomac* and a “ghost” fleet of steamships built for the Emergency Fleet Corporation during WWI. While being an enjoyable part of outdoor recreation in the sanctuary for many, these sites also act as artificial islands that provide a habitat for wildlife and serve as a rare archaeological case study for ongoing research by numerous agencies and ECU students (see Weller in *Stem to Stern* 2022).



Understanding how ships were originally designed is just one piece of the puzzle for archaeologists. Models of how these sites look in the present can also offer insight into the subtle differences in construction between ships of the same type as well as their preservation over time. With *Accomac* rising in the distance, *Benzonia* serves as a home to a host of wildlife including plants, fish, and even a family of osprey who have built their nest neatly on its stern; (Photo by Kevin Olson).

Although the data collected can have a variety of applications in the future, the primary goal of the project was to create digital representations for resource management and public outreach materials, most notably the sanctuary's soon to be released Mallows Bay-Potomac River National Marine Sanctuary Virtual Trail website. The trail will allow visitors to go online and learn more about the most prominent features located within the sanctuary's waters and the adjacent Mallows Bay Park. Whether at home or following the trail in person, it will give users an enhanced experience by providing historic information and images, aerial footage, and links to interactive viewers depicting how the vessels appeared when in use as well as what their remains look like today.

With support from Research, Resource Protection, and Permit Coordinator Tāne Casserley and other sanctuary staff, Dunshee planned and organized the field operations working alongside Federal Aviation Administration (FAA) certified drone pilot Kevin Olson (the “Maryland Drone Guy”; <https://www.marylanddroneguy.com/>), Charles County Assistant Park Manager Carl Sharp, whose knowledge navigating the sanctuary was integral to the project's success, and William Malatesta, an engineer from the University of Maryland's Autonomous Technologies Research, Innovation,



The use of drones allows subjects to be recorded from many angles not easily achieved on the water. In this bird's-eye view, the team prepares to collect data at *Benzonia* as it rests atop *Caribou* among a group of other Ferris-type vessels lurking just below the surface; (Photo by Kevin Olson).

and Exploration (MATRIX) Lab who offered his technical advice and expertise. Over the course of two days, imagery of thirteen vessels from which to create models was collected in addition to artistic aerial images and video of the landscape. Because many of the ships' remains rest below the waterline, they could only be captured when partially exposed during the lowest predicted tides. This occurs on only a handful of days every month and the few hours in which some of the sites appear were filled with a flurry of activity. The maritime environment made for a challenging subject in other ways as well, primarily due to the need to fly the drone close to the waterline while avoiding reflections of sunlight in the images and navigating around the lush vegetation which Olson accomplished expertly.

Though seemingly brief, the team's efforts resulted in nearly four hours of total footage (more than 28,000 images), the processing of which lasted until mid-October. Despite the many challenges involved, the three-dimensional in situ recording of maritime archaeological resources plays an important role in their ongoing management. Showcasing them within the natural environment can lead to a better understanding of their ecological impact and state of preservation while also allowing the public to appreciate them in a deeper way.

For more information on the virtual trail and photogrammetry models please visit the Mallows Bay website at <https://sanctuaries.noaa.gov/mallows-potomac/>.

— Ian Dunshee



A virtual scene of *Accomac*, complete with artificial lighting and reflections in the water. Through digital representations such as these, visitors and researchers alike can view the downloadable files to explore the vessels at a high level of detail from any perspective; (Photomodel by Ian Dunshee).

Catching up with the Maritime Studies Association

2023 has been another fantastic year for the Maritime Studies Association (MSA). We began the year with two Brown Bag lectures by Dr. Sarah Patterson and Darren Kipping. Dr. Patterson discussed her dissertation, future work, and the time she spent as a historian with the Defense POW/MIA Accounting Agency (DPAA) with the students. With military history and the mission of the DPAA being an interest of many MSA members, her talk provided needed insight on how pursue that career path. Soon after, Darren Kipping, a project archaeologist for Stantec's London, Ontario office spoke with members about private sector maritime archaeology and cultural resource management. A future in this field interests many students and it was helpful for our members to learn how careers progress and how experiences can differ within maritime archaeology.



Members of MSA at the OBX Distilling Event (Photo by MSA)

MSA took a field trip to the Mariners' Museum in Newport News, Virginia in April. The museum is a fantastic institution with amazing examples of all kinds of vessels, which centers on an exhibit dedicated to the discovery and preservation of the USS *Monitor*. Members were privileged with a behind-the-scenes tour of this legendary turn point in naval construction by being permitted access to the museum's preservation facilities currently housing the turret, guns, and many other pieces raised. This gave students an incredible opportunity to fully appreciate the consideration and effort that has gone into preserving artifacts for display.

The spring also meant the induction of the new batch of officers: Thomas Fosdick (President), Alex Morrow (Vice President), Chris Triplett (Treasurer), Alex Owens (Secretary), Konstantinos Raptis (Speaker Series Coordinator), and Aero O'Hanlon (Historian). After being inducted in late April, the officers threw the annual end-of-year party at Jarvis Bottle Shop and cooked some amazing food for everybody! Starting the academic year,

the same way they ended the last one, MSA returned to the bottle shop for the welcome aboard party in August. It is always fun to welcome the newest Maritime students to the program, this year was no exception. They are an excellent group of students who will be exploring remarkably interesting topics, and MSA is incredibly excited to add them to the family.

In October, MSA continued its partnership with Outer Banks Distilling and attended the release of its annual Shipwreck Series rum. This year, the rum was named after *Witchcraft*, a Clipper ship built in 1850. Noted for its ledged figurehead of a Salem witch (more rumor than reality), the ship broke speed records in 1851 and 1854 before it sank off Cape Hatteras in 1861. This event is always fun and a wonderful way to get involved within the community. The rum release is incredibly popular in Kill Devil Hills and well attended by many interested in the cool stuff that MSA and the program do.

MSA is incredibly proud of its members who had the opportunity/will have the opportunity to present their research at various conferences. In late October, four MSA members presented their research at the Southeast World History Association conference in South Carolina, which ECU's own Dr. Lynn Harris and Dr. Eric Oakley presented. One topic is the work conducted at Summer Field School this past June. Furthermore, in December, ECU will host the North Carolina Maritime History Council Conference. Not only will students help with running the conference, but over a dozen history department and Maritime Studies students, faculty, and alumni will be presenting. It will be a fantastic opportunity for our members to see firsthand how a conference is run as well as hone their presentation skills. Finally, there will be several members presenting at the Society for Historical Archaeology (SHA) conference this year. Attendance at SHA is a terrific way for MSA members to meet peers and professors from other programs, and potential employers, and broaden their horizons at the premier archaeology conference internationally.

To conclude this year's wrap-up, MSA would like to thank the professors and staff of the Maritime Studies program for teaching our members and helping them take advantage of so many incredible opportunities. MSA would like to thank everyone who has donated to and supported the Maritime Studies Association throughout the year. None of the field trips, merchandise, or community events would have been possible without your generosity. MSA is so grateful to have another fantastic year in the books, and everyone here cannot wait to see what 2024 brings! 🍷



Members of MSA at the Mariner's Museum on April 1, 2023 (Photo by MSA)

– Thomas Fosdick and Alex Morrow

From the Field - Timber Data Collecting in Castle Island, NC

During the 2021 Fall Field School conducted by Dr. Jason Raupp and Dr. Jennifer McKinnon, the students surveyed the remains of a late 19th or early 20th-century ferry boat, as well as the seawall and other industrial remains surrounding Castle Island in Washington, North Carolina. Amongst the remains found during this field school was a wharf structure that exhibits closed timber as well as crib and cobb construction. Along with this construction type often associated with colonial wharf infrastructure, artifacts found in the area date back to the late 18th to early 19th century. In relation to the artifacts found and the type of construction used, Castle Island's maritime infrastructure indicates that it was erected earlier than the first known reference in 1818 when the Fowle Family established a shipbuilding business on an island called "The Castle."

With this information, Olivia Livingston of ECU's Program in Maritime Studies collaborated with Dr. Stockton Maxwell of Radford University, Dr. Jason Raupp of ECU, and PhD student, Allyson Ropp of the Integrated Coastal Sciences Program to collect timber data for dating and preservation analysis. With the wharf structure containing unfinished timbers and bark, the site proved to be a great case for using dendrochronology to date the period of construction accurately and to compare the results with a new tool to the field of maritime archaeology. In May of 2023, a team of faculty and students went out to Castle Island to gather timber and core samples. Although various drills were tested in the field to gather core samples, the standard dendrochronological tool, the increment borer, was used to extract the core samples for Dr. Maxwell to examine. The samples were taken along the stretchers and headers of the wharf to gather various dates and patterns of the given timber species.

Along with this, the use of IML-RESI PD Series 400, otherwise known as the resistograph, was implemented to compare the annual tree ring analysis with the core samples taken for dendrochronology. The resistograph is a low-impact, minimally destructive tool that consists of an extremely fine steel drill bit that turns a needle at a constant speed while penetrating the wood. Through the needle puncture, the resistance is registered through a potentiometer that connects to the electric engine, producing a graph on an attached computer screen that shows a graphic representation of the needle penetrating each layer or section of the wood. Like dendrochronology, the annual ring structure, ring orientation, and placement can be shown while remaining in the field. Most of the work done on Castle Island was through scuba, making the drilling for core and resistograph data a process within the dark waters of the Tar-Pamlico River.

The measurements of the rings produced by Dr. Maxwell will be used to compare the annual tree ring analysis charts produced by the resistograph. It is hoped that the core samples will provide an exact, if not a close estimate of the year the wharf was constructed. Along with this, the core samples will be a great comparison to prove the application of a new, minimally destructive technology within maritime archaeology. 🌲

— Olivia Livingston



Jeremy Borrelli handing Olivia Livingston the resistograph
(Photo by Dr. Stockton Maxwell)



Dr. Stockton Maxwell (Radford University) with core sample
(Photo by Jeremy Borrelli)

Fall Field School - Florida Keys, FL

This year, the second-year Maritime Studies students were afforded the opportunity to attend Fall Field School in the Florida Keys. Partnering with the National Oceanic and Atmospheric Administration (NOAA), the ECU Maritime Studies Program researched and surveyed numerous consequential submerged sites throughout the Florida Keys. Led by Dr. Jennifer McKinnon, who was ably assisted by Dr. Nathan Richards, seven graduate students had the privilege of spending two weeks residing at the Mote Marine Laboratory, learning the ins and outs of conducting an advanced maritime archaeological project. Highlights included significant remote sensing with both a towed side-scan sonar and magnetometer, diving known and suspected underwater cultural sites, and surveying and recording artifacts ranging from an 18th Century British warship to a World War II Navy PV-1 Ventura bomber lost on a training flight, and many targets in between.

Field school priorities were established collaboratively between the ECU team and NOAA, but the initial effort was rediscovering the wreck of HMS *Loo*, from which the internationally renowned diving destination Looe Key within the Florida Keys National Marine Sanctuary draws its name. *Loo* was a 44-gun, fifth-rate warship in His Majesty's Royal Navy and assigned to protect the King's interests in the New World. Embroiled in the War of Jenkin's Ear, it was prowling the Florida Straits



Alex Morrow and Dr. Jennifer McKinnon mapping the edge of an exposed wreck (Photo by Brenda Altmeier)

seeking Spanish vessels to interdict when it ran down and captured a merchant vessel on 5 February 1744. Disoriented during the night, the vessel ran hard aground on its future namesake key with its prize in tow due to a navigation error and stuck firm. Unable to refloat the vessel and concerned about its potential capture, its captain opted to destroy it by setting it ablaze as they sailed away on their small boats and a subsequently captured Spanish sloop.

Here, the wreck lay, lost to time until it was found in 1950 by salvage crews working in the waters off the lower Florida Keys. After a flurry of effort in which its cannons - many of which were later sold off to artificially adorn the walls of a terrestrial fort in New York - and other artifacts were removed from the wreck, the site became primarily a recreational diving location. Despite the significance of the wreck, the limited overt remains consisting primarily of its cast iron ballast ingots, HMS *Loo* faded in and out of the collective memory until the site's exact location was again no longer certain.

Enter the ECU Maritime Studies Program. Analyzing all available data and previous reporting on its locations, a surface snorkel search that could easily see the 30-foot coral and sand bottom in the crystal-clear Florida waters was conducted. On the second day of the search, a team led by Dr. McKinnon made out the stepped form of the iron ingots, deliberately cast to conform to the contours of the vessel's timber frame and providing a strong indicator of the providence of the site. Switching to scuba and armed with metal detectors, the ECU team located and marked all ferrous material, took accurate GPS data, extensively measured the site, and thoroughly photo-documented the remaining

wreckage for site preservation and management purposes. One significant find discovered adjacent to a coral cropping was potentially a deck-mounted swivel cannon. The identification and dating are not fully certain, but it appears to be a Spanish



Alex Owens measuring ballasts (Photo by Brenda Altmeier)

verso dating to the late 16th century. Still, much research and analysis remain before a reliable determination can be made.

Upon completion of the HMS *Loo* site, the team turned its attention to other Looe Key targets before moving onto the nearby American Shoal. A 33-meter lighthouse was erected in 1880 to guide vessels through the hazardous shoals. Although decommissioned in 2015 and sold to a private party in 2022, it continues to dominate the horizon. The Field School conducted extensive remote sensing operations to identify potential targets in this hazardous navigation location and found more than a few. Notably, the remains of a wooden vessel with iron and brass fittings were visually located less than 100 meters from the

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In Memory of Brett R. Hood

Brett Hood, a second-year maritime Studies student, passed away in September 2023. Brett graduated summa cum laude with a BA in Anthropology from East Carolina University before pursuing a Master of Arts in Maritime Studies. Brett was a true social butterfly who had an infectious love for life. While he could make friends with anyone anytime, he held a special place for those closest to him. He loved spending time with his friends and was one of the most fiercely loyal people on the planet. The only thing that rivaled his love for his friends, family, and dogs, was diving.

Brett was a National Association of Underwater Instructors (NAUI) certified Dive Master who logged hundreds of dives from the warm waters of the Caribbean to the frigid waters in Upstate New York. Not only that, but he worked to share that passion with others. He worked with Pamlico Divers and with ECU to help train new divers and open them up to the underwater world he held dearly. He also participated in a Divers Alert Network study, which sought to study the effects of prolonged diving on the human body.

Brett was among several students who participated in fieldwork in Saipan in the Spring of 2023 and was in the Summer Field School at Antigua. Brett was a beloved member of the Maritime Studies Program, was active in the Maritime Studies Association, and was becoming active in the Coastal Society at ECU. He will be deeply, sorely missed by everyone who knew him. 🐾



(Photo by Brett Hood)

— Geoff Anthony, Thomas Fosdick, Alex Morrow,
Aero O'Hanlon, Alex Owens, Kostas Raptis, and Chris Triplett

In Memory of William N. Still, Jr.

Dr. William “Bill” Norwood Still, Jr., at age 90, passed away on January 8th, surrounded by his loving family. Born in 1932 in Columbus, Mississippi and was raised in Jackson, Mississippi. Dr. Still started his storied academic career at Mississippi College, where he earned his bachelor's degree in history and met his wife of 56 years. Still earned a Doctorate in History in 1964 at the University of Alabama. After earning his doctorate, Still served two years in United States Navy aboard USS *Lake Champlain*. In 1968, Still received an associate professor appointment at East Carolina University.

Dr. Still was a professor at East Carolina University from 1968 to 1994. In 1982, he is known for his biggest contribution to the university, founding the Maritime Studies Program. He served as its program director, when it was known as the Program for Maritime History and Underwater Archaeology. Dr. Still was known as “Doc” by his students and was noted for his hands-on mentoring style and dry humor. Students remarked on his immense knowledge of topics ranging from Civil War history to twentieth century American naval affairs. He was a role model for his students, crafting East Carolina University's first wave of great maritime historians and archaeologists. He believed using the best historical and archaeological techniques could advance their respective fields. This was demonstrated by his participation in multiple underwater archaeological projects, such as his work on USS *Monitor*, CSS *Alabama*, and the Confederate submarine, CSS *Hunley*.

Retiring in 1994, he continued to serve ECU as Professor Emeritus. In that meantime, Dr. Still served as editor for several publications, including *American Neptune*, *Civil War Times Illustrated*, and as Series Editor for the University of Alabama Press's Studies in Maritime History Series. For a decade after retiring from ECU, he served as a member of the Secretary of the Navy's Subcommittee on Naval History. Dr. Still was also an avid book reviewer, assisting his colleagues and former students on the publication process.

He earned several awards for his books, including *Crisis at Sea: The United States Navy in European Waters in World War I*, for which he earned the American Society for Oceanic History John Lyman Book Award and the Roosevelt Naval History Prize. He received the John Lyman Book Award for co-authoring *Shipbuilding in North Carolina*. A prolific author, he wrote books *Iron Afloat: The Story of the Confederate Armorclads*, *Confederate Shipbuilding*, and co-authored *Why The South Lost the War*, contributing to the maritime history of the Civil War. For his dedication to maritime history, he was awarded the Naval Historical Foundation's Dudley W. Knox Naval History Lifetime Achievement Award in 2013.

A lifelong scholar, Dr. Bill Still will be missed. He was actively writing several books up until the time of his passing. He will forever be remembered by East Carolina for his immense contribution to the Maritime Studies Program and to all those who were taught under him. 🐾

— Alex Owens



(Photo by Wilkerson Funeral Home)

Welcome Aboard- *New Faces*

The ECU Program in Maritime Studies is pleased to welcome Eric Oakley as our new assistant professor of history and maritime studies at East Carolina University! His work examines Early American expeditions to the Pacific Ocean through the framework of cultural and economic histories. His forthcoming monograph, *Columbia at Sea: Early American Voyagers and Imperialism in the Pacific World*, investigates the imperial, environmental, and indigenous consequences of U.S. activities in the North Pacific. He has also written about sandalwood, ecocide, and indigenous responses to maritime intruders. Oakley was a visiting researcher at the University of Jyväskylä and an editor of the anthology *Tar Trek: The Liquid that Sealed Globalization*



Florida Keys, FL

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Konstantinos "Kostas" Raptis snorkeling on the base of the American Shoals Lighthouse (Photo by Brenda Altmeier)

lighthouse despite an onslaught of Moon Jellyfish, *Aurelia aurita*, that made any time divers spent in the water fraught with peril.

Shifting to the Boca Chica area, the team located and dived upon the wreckage of one of two Navy PV-1 Venture bombers to training accidents while flying from Naval Air Station Key West during World War II. What remains included the engine, machine gun armament with ordinance, and elements of the airframe. After the survey and documentation of this location were completed, additional targeted dives yielded ballast piles and other physical evidence of vessels lost on the treacherous reefs of the Florida Keys. Although most of these newly located sites are unassociated with known wrecks, they collectively represent an archaeological windfall of information and data that could help fill in the many knowledge gaps regarding the maritime and archaeological history of the Florida Keys.

Overall, this Fall Field School was an unmitigated success. The students learned valuable skills and knowledge regarding archaeological survey planning, execution, and technical methods. The flexibility required when conducting fieldwork was highlighted as the team dealt with COVID events, a potential government shutdown, and adverse weather. Weather-imposed down days were effectively used to tour terrestrial sites and local museums and visit the Schooner *Western Union*. The once majestic vessel is now in disrepair, with the supporting cable-laying infrastructure being most of what remains. Students also studied Cuban refugee vessels, named chugs, and performed photogrammetry and took measurements of these impressive vernacular craft. What is clear is that a great deal of work remains to be done in the Florida Keys, and the number of thesis topics for future students waiting to be discovered is unlimited. With any luck, Key West will again see an ECU field school soon to take full advantage of these opportunities. 🍷

– Geoffrey "Geoff" Anthony

Ahoy Mates! Welcome to ECU New MA Students in the Program in Maritime Studies

Amber Berry is a first-year Maritime Studies student and Graduate Research Assistant. She graduated from the University of Michigan with a BA in Anthropology, a minor in Field Biology, and a GIS (Geographic Information System) and Geospatial Technology Certificate. After participating in a field school excavating Tel Lachish in Israel her lifelong interest in archaeology turned into a passion. Recently, with a new interest in diving, she wanted to pursue a career in underwater archaeology which led to her learning about the program here at ECU. She now hopes to combine her interests of GIS, biology, and diving for a multidisciplinary approach to archaeology.

Addison Costa is a first-year graduate student/assistant in Maritime Studies. He is from Cullowhee, North Carolina where he was a long-term volunteer with Western Carolina University's Summer Youth Swim Program. He also held an internship with the American Conservation Experience with Great Smoky Mountains National Park. He graduated with honors in 2022 from Western Carolina University with a degree in Anthropology and a minor in Criminal Justice. While studying Anthropology, he focused on Cherokee Studies and particularly enjoyed experimental archaeology with Dr. Jane Eastman, which stressed experiential learning. He has studied a year abroad in Berlin, Germany and has always held a deep love for history, archaeology, and the marine world, with a special fascination for the cultural and biological significance of the sea for cultures worldwide. His primary interests are conflict archaeology and the impacts of maritime conflicts on coastal and island communities around the world. After getting his BA, he knew he wanted to work in a coastal environment, which is what led him to ECU's Maritime Studies program where he aims to combine his interests, embarking on a career as a field archaeologist.

James (Jim) Fowler graduated from the University of Louisville (UofL), earning a double major in mechanical engineering and anthropology. Despite growing up in southern Indiana, Jim has nurtured a strong connection with the ocean. His

parents are both professors at UofL, and Jim spent much of his childhood accompanying them on sabbaticals, which often meant living for extended periods of time abroad. He has completed three voyages with Colorado State University's Semester at Sea program and has lived

in Japan, Australia, and Mexico. His experiences in competitive sailing instilled in him a love of naval architecture, ship design, and marine engineering. Jim is also an avid scuba diver with a passion for wreck diving, and he hopes to combine his interests in his graduate research. He is excited to join the ECU Maritime Studies program and hopes to answer maritime archaeological questions using engineering analysis methodologies. His primary research interests include the development and history of naval architecture and marine engineering, but his library is stocked with books on naval history, shipwreck archaeology, foreign affairs, the age of steam and steel, historic and modern ship design, and battlefield archaeology.

Armani Gibbs, a first-year Graduate Assistant in the Program of Maritime Studies, hails from Beaufort, SC. His childhood fascination with coastal waterways and their significance in shaping the Lowcountry spurred his academic journey. Initially pursuing maritime biology during his undergraduate studies, he eventually switched gears to Anthropology & Geography, recognizing that this was the optimal path toward becoming a maritime archaeologist. In 2022, Armani achieved his BA from Coastal Carolina University (CCU), majoring in Anthropology & Geography. During his time at CCU, he took part in a field school at Brook Green Gardens in Murrells Inlet, SC, where



First-year maritime students gather outside of outdoor fireplace near Brewster Building. Back Row (From Left to Right): Dorian Record, Armani Gibbs, Jim Fowler, Ian Shoemaker, Luke Hayes, Don Swanbeck, and Amber Berry; Front Row (From Left to Right): Nate Wood, Cory Van Hees, Addison Costa, and Evan Ollinger (Photo by Dr. David Stewart)

he honed his expertise in collecting cultural artifacts from various historical periods. Post-graduation, he interned for the SC Institute for Archaeology and Anthropology (SCIAA), collaborating with SC State Underwater Archaeologist and ECU alumnus, Jim Spirek (Maritime Studies MA '93). Armani is keenly interested in unveiling the history behind prehistoric sites & communities of indigenous societies worldwide. He has a love for medical anthropology and is striving to examine the medical knowledge developed by seafaring communities. Additionally, he is a certified Divemaster through the Professional Association of Diving Instructors (PADI).

Lucas (Luke) Hayes was born and raised in Greensboro, NC. He graduated from Christopher Newport University (Newport News, VA) in 2022, with a BA in History and Leadership Studies. While there he also double minored in Museum Studies and American Studies, and graduated with a Certificate in Public History. The following year he worked at Christopher Newport as a University Fellow in their President's Leadership Program. So far, Luke's main archaeological experience has involved working with a historical archaeologist on a mid-seventeenth century terrestrial site associated with Historic St. Luke's Church in Smithfield, VA. He has also worked with various museums, with one of these projects focusing on presenting to the public the maritime archaeological work done on the Battle of

Yorktown shipwrecks. Research interests of Luke's are broad, and include the maritime archaeology and history of the North Carolina Coast and Chesapeake Bay areas during the eighteenth, nineteenth, and twentieth centuries.

Evan Olinger is a first-year Graduate Assistant in the Maritime Studies program. Originally from a small town called North Manchester, Indiana, he earned a Bachelor of Science in 2018 from Ball State University in Muncie, Indiana. A double major in Archaeology and History, he obtained his diving certification and participated in University of West Florida's Maritime Field School in Pensacola, Florida, diving on the fleet from the Luna Settlement. A year later, he was selected for a summer internship with the American Anthropological Association and the Naval History and Heritage Command in Washington, D.C., at the Washington Navy Yard. After gaining experience in the museum industry as an Engagement Specialist through the Indiana State Museum in Indianapolis, Indiana, Evan has arrived in Greenville to continue his trajectory towards becoming a maritime archaeologist. His research interests include shipwreck archaeology, environmental archaeology and shipwreck degradation - however there are too many others to list here. He would like to learn more about how we can combine maritime archaeology and biology to help teach communities how shipwrecks affect and change the ecology in our waters around the globe and most importantly, what we can do to protect our heritage while keeping our oceans healthy for future generations.

Ian Shoemaker is a 2022 graduate of Lycoming College where he earned BAs in Anthropology, Archeology, and a certification in History Education, with a minor in History. From an early age he was always passionate about the ocean and was fortunate enough to earn an open water certification at an early age, with hopes of becoming a historian but found that his interests lay in anthropology. During his undergraduate Ian worked with *PASST* (The Pennsylvania Archaeological Shipwreck Survey Team), assisting in documenting shipwrecks in Lake Erie, and participated in terrestrial field schools both stateside and abroad. After graduating Ian worked in CRM and with the Lake Champlain Maritime Museum for two seasons assisting in submerged survey,

excavation, photogrammetry, and artifact conservation at Arnold's Bay. When not in the field, Ian exercised his love for education, working as a secondary Social Studies teacher. Ian's research interests include applications of archeology in areas of climatology, technological change, the environment, public outreach, and education. When not in the classroom or in the field, Ian enjoys backpacking, skiing, cooking, traveling and of course diving.

Dorian Record is a 2023 graduate of the University of Kentucky where she earned a BA in Anthropology with minors in Spanish and Biology. She has been open water certified since the age of 12 and had childhood dreams of becoming a marine biologist, but in undergrad found a better fit for herself in anthropology. After two seasons of fieldwork in Mexico under archaeologist Dr. Chris Pool, she fell in love with the discipline, both in an academic sense and for the new connections and immense personal growth that fieldwork brought to her. She is looking forward to the new dimensions that the Maritime Studies program will bring to her perception of the broader archaeological record, and she is excited to develop skills that will facilitate her research while simultaneously rekindling her childhood passion for diving. She has many diverse archaeological interests including Latin America and the Caribbean, colonial interactions, lived experiences of minorities under oppression, and community-based and anticolonial research. In her free time, Dorian enjoys a wide range of hobbies, including painting, makeup artistry, singing, crafts such as crocheting and sewing, video games, cooking, and of course diving.

Don Swanbeck is from Massachusetts. He earned a BA in Classical Studies from Carleton College with a concentration in Latin and Medieval Studies, and a MA in English Literature from the University of Minnesota. For many years he worked as a teacher of Latin and English at the secondary level, including two years teaching abroad in China at an international school. He once received a Larson Fellowship to study artefacts of the Fourth Crusade; more recently he has taken classes in geology and oceanography and earned certificates in GIS and scuba diving. Other interests include exercise and the outdoors, reading and creative writing, international travel, and language learning.

Cory Van Hees is from Isanti, Minnesota. He graduated with a BA in Anthropology from St. Cloud State University (SCSU) in December 2019. Cory was certified as a diver at the age of 13 thanks to his parents who influenced him. While in college he spent two summers working aboard two Tall Ships, the schooners *Appledore IV* and *Appledore V*, whose home port was Bay City, MI. While serving as a deckhand he has sailed across 4 of the 5 Great Lakes and up the St. Lawrence to Québec City, Québec. During the same summer Cory attended SCSU's archaeology field school where they worked on a Woodland Village site, a maritime archaeology field school with the Wisconsin Historical Society in Door County, WI mapping the schooner barge *Advance* which is now listed on the National Register of Historic Places, and worked as a volunteer for SCSU with the National Park Service at Grand Portage National Monument in Grand Portage, MN assisting a graduate student searching for an old French Fur Trade site. For the past two field seasons Cory has worked in the cultural resource management field all around the Midwest. He is interested in learning more about military history and archaeology, the transition from sail to coal and diesel power, battlefield and conflict archaeology, and amphibious landing zones.

Nathan (Nate) Wood is from Kernersville, NC. He graduated with a BA in History with a concentration in Atlantic studies and a minor in coastal and marine studies from East Carolina University in 2023. Sparked by visiting local historical sites, notably Guilford Courthouse Battleground. Nate has always had a keen interest in history and specifically conflict history. Nate also has had a lifelong love for the ocean and what better way to combine one's passions than to study maritime archeology. Nates' main historical interests include the colonial period in the Americas, piracy, the Civil War and US naval interventions in the early 20th century, as well as the World Wars, but with a greater focus on World War II. Nate is very excited and grateful to be a part of the Maritime Studies Program and is very much looking forward to expanding his knowledge base on maritime archeology and getting to work with experts in the field. 🦑

Where are our Maritimers now?

A

Jack Augustus Adamson (2020) – Maritime Archaeologist, US Army Corps of Engineers, Fort Worth District, TX

Hoyt L. Alexander (2018) – Tech Support Technician, Department of Geography, East Carolina University, Greenville, NC

James Allan (1987) PhD – Executive Director, Institute for Western Maritime Archaeology, Orinda, CA, Senior Archaeologist at SNA International, Hawaii

Evguenia Anichtchenko (2004) – Historian, Alaska Office of History and Archaeology, Anchorage, AK. Executive Director Sitka Maritime Heritage Society Inc., Sitka, Alaska

Ray Ashley (1996) PhD – President and CEO, San Diego Maritime Museum and Professor of Public History, University of California at San Diego, CA

Melissa Ashmore (2012) – Inventory Specialist, Cabela's; Volunteer Specialist, Antelope Island State Park, Syracuse, UT

Paul Avery (1998) – Residing in San Antonio, TX

Monica Ayhens-Madon (2009) – Ubuntu Community Representative at Canonical, Marietta, GA

B

Tyler Woodson Ball (2019) – Staff Archaeologist, Fairfax County, Virginia

Miguel Barberly (2020) – Foreign Service Officer, U.S. Department of State, Guayaquil, Ecuador

David Baumer (1991) – Residing in Virginia Beach, VA

Dina Bazzill (2007) – Vice President of Cultural Resources and Tribal Coordinator, Environmental Corporation of America, Alpharetta, GA

David Beard (1989) – Semi-Retired Antique and Vintage Arms Dealer, Clinton, AR

Nadine (Kopp) Beaudoin (2012) – Matrix Heritage, Partner and Senior Archaeologist, Ottawa, ON

Sam Belcher (2002) – Medical Technologist, Saint Claire Regional Hospital, Morehead, KY

Daniel J. Bera (2015) – Associate Registrar for Loans, Naval History and Heritage Command, Washington, DC

Emily Powell Bera (2017) – Senior Curator and Project Manager, Naval History and Heritage Command, Richmond, VA

Samantha Bernard (2020) – Historic Preservation Specialist, FEMA Headquarters, Chesapeake, VA

Kathryn Bequette (1992) – Director, Maritime Archaeology and Research, OELS, Westminster, CO; consultant with Denver Ocean Journey Aquarium

Jemison Beshears (2001) – Antique firearms specialist, Greg Martin Auctions, San Francisco, CA

Jacob Betz (2004) PhD – Postdoctoral Fellow, University of Chicago, Chicago, IL

Saxon Bisbee (2012) – Collections Care Project Manager, Northwest Railway Museum, Snoqualmie, WA

Samuel Blake (2006) – Archaeologist, Southeastern Archaeological Research, Inc., Jacksonville, NC

Jeremy R. Borrelli (2015) – Staff Archaeologist, Program in Maritime Studies, East Carolina University, Greenville, NC

Charles S. Bowdoin (2016) – Manager, Department of Sanitation, Derry, ME

Jeffrey Bowdoin (2012) – Curator Branch Head, Naval History and Heritage Command, Washington, DC

Patrick Boyle (2022) – PhD student, Nautical Archaeology Program, Texas A&M University, College Station, TX

Ryan J. Bradley (2015) – Diving Safety Officer, Diving and Water Safety, East Carolina University, Greenville, NC

Matthew Brenckle (2004) – Matt Brenckle Hats, Hand-crafted hats from the 17th-19th centuries

John Bright (2012) – Owner, JBH Offshore, Alpena, MI

Baylus C. Brooks (2016) – Poseidon Historical Publications, O'Brien, FL

Dan Brown (2013) – Analyst, Oceaneering International, Inc., Hanover, MD

Dorothy (Sprague) Brown (2018) – Program Presenter at Carnegie Science Center, USS Requin (SS-481), Pittsburgh, PA

Robert Browning (1980) PhD – Retired Historian, United States Coast Guard, Washington, DC

Katrina Bunyard (2019) – Historian, Defense POW/MIA Accounting Agency, Honolulu, HI

Darryl Byrd (1998) – Residing in Linthicum Heights, MD

C

Amber Cabading (2022) – Underwater Archaeologist, AECOM Technical Services, Inc., Columbia, SC

Tyler Martin Caldwell (2019) – Hydrographic Technician, Cardinal Point Captains, Inc., Greenville, NC

Peter Campbell (2009) PhD – Lecturer, Cranfield University, United Kingdom

Frank Cantelas (1995) – Senior Advisor to Science and Technology Division, NOAA Office of Ocean Exploration and Research, Silver Spring, MD

Jodi Carpenter (2007) – Archaeologist, FEMA, Bradenton, FL

Elise Carroll (2018) – Conservator, Queen Anne's Revenge Conservation Lab, Greenville, NC

Chris Cartellone (2003) PhD – Maritime Data Analyst, SEARCH, Inc., Monrovia, MD

Tane Casserley (2005) – Resource Protection and Permit Coordinator, NOAA's Monitor National Marine Sanctuary, Newport News, VA

Joe Cato (2003) – Residing in Raleigh, NC

Lauren Christian (2017) – Archaeologist, New South Associates, Columbia, SC

Robert Church (2001) – Senior Marine Archaeologist, Oceaneering International Inc., Lafayette, LA

Brian T. Clayton (2005) –

Katherine L. Clevenger (2017) – Archaeologist, Sequoia and Kings Canyon National Parks, Three Rivers, CA

Kaitlin Clothier (2016) – Online English Teacher at VIPKid, North Bethesda, MD

Wendy Coble (1998) – Agency Disinterment Manager, Plans and Policy Division, Defense POW MIA Accounting Agency, Arlington, VA

Patrick Cole (1993) – Writer, Barcelona, Spain

Edwin Combs (1996) PhD – Engineer, Aberdeen Carolina & Western Railway, Candor, NC

Michael Coogan (1996) – Manager, Strategic Communications, Leidos, Fairfax, VA

Amy (Mitchell) Cook (1994) PhD – Interim Dean, College of Arts, Social Sciences and Humanities, University of West Florida, Pensacola, FL

Joel Cook (2021) – DPAA Research Partner Fellow, East Carolina University, Greenville, NC

David Cooper (1998) – Branch Chief, Cultural Resources, Apostle Island National Lakeshore, Bayfield, WI

Diane Cooper (1995) – Museum Technician, San Francisco Maritime National Historical Park and Curator, USS Pampanito, San Francisco, CA

Kathryn L. Cooper (2014) – Owner, Mattie Groves Brewery, Sacramento, CA

Annalies Corbin (1995) PhD – President & CEO, PAST Foundation, Columbus, OH

Lee Cox (1985) – Director, Dolan Research, Inc., Newtown Square, PA

Sean Cox (2019) – Farmer

Stephanie Croatt (2013) – Deputy Region Director for West Texas, Seminole Canyon State Park and Historic Site, Comstock, TX



Michelle Damian (2010) PhD – Assistant Professor, Department of History, University of Wisconsin-Whitewater, Whitewater, WI

Claire Dappert (2005) PhD – Historic Research Archaeologist, Illinois State Archaeological Survey, Prairie Research Institute, University of Illinois, Urbana-Champaign, IL

Kara Davis (2015) – SeaPerch Program, University of Southern Mississippi's Gulf Coast Research Lab Marine Education Center, Ocean Springs, MS

James P. Delgado (1986) PhD – Senior Vice President, SEARCH, Inc., Jacksonville, FL

Nicholas DeLong (2015) – Maritime Archaeologist, Clemson University Restoration Institute, Warren Lasch Conservation Center, North Charleston, SC

Alena Derby (2002) – Pilates Instructor and Personal Trainer, Body Mind Movement, Nyack NY

John Detlie (2023) –

Robert Dickens (1998) – Doctor of Veterinary Medicine, USDA, Cary, NC

Stephen Dilk (2012) – Contract Archaeologist, Colorado and Wyoming

Anna D'Jernes (2020) – Historical Archaeologist, SNA International, Honolulu, HI

Jeff DiPrizito (2001) – High School teacher, Hudson, NH

Brian Diveley (2008) – Senior Archaeologist, CH2M HILL, Seattle, WA

Tricia Dodds (2009) – Senior Environmental Specialist, Cultural Resources, Southern California Gas Company, Los Angeles, CA

Andrianna Dowell (2019) – Communications Manager, National Ocean Protection Coalition

Lydia Downs (2022) – Collections Assistant and Deaccession Specialist, Mystic Seaport Museum, Mystic, CT

Stan Duncan (1994) – Regional Sales Consultant, NUS Consulting Group, Inc., Oak Ridge, TN

Kelsey Dwyer (2020) – Admin Support Specialist, Interdisciplinary Program in Biology, Biomedicine and Chemistry and the National Science Foundation Research Traineeship Program administered through the Water Resources Center, East Carolina University, Greenville, NC



Jeremy Eamick (2015) – Retired, Raleigh, NC

Bethany Earley (2020) –

Justin R. Edwards (2015) – History Teacher, Riverside High School; Adjunct Instructor, Martin Community College, Williamston, NC

Rita Folse Elliott (1988) – Education Coordinator & Research Associate, The LAMAR Institute, Savannah, GA

Scott Emory (2000) – Senior Project Archaeologist, Trileaf Corporation, Whitehall, MD

Jeff Enright (1999) – Senior Project Manager, Offshore Wind Sector Leader, SEARCH, Pensacola, FL

Edward Erhart (2019) – Content Strategist, Wikimedia Foundation, Milwaukee, WI



Sabrina S. Faber (1996) – Director of AMIDEast, Principal Consultant of planetécole, Washington, DC

Kim (Eslinger) Faulk (2005) – Business Development Manager/Project Manager, Geoscience, Earth, and Marine Services, Houston, TX

David Fictum (2015) –

Hannah (Piner) Fleming (2017) – Innovation Specialist, Partnerships and Innovations Directorate, Defense POW/MIA Accounting Agency (Contractor), Williamsburg, VA

Patrick Fleming (1998) – Raleigh, NC

Richard Fontanez, MD (2001) – Medical Director, Healogics, Inc., Ocala, FL

Paul Fontenoy (1995) PhD – Editor, Nautical Research Journal; Administrator, Council of American Maritime Museums; Retired Curator, North Carolina Maritime Museums System, residing in Albuquerque, NM

Chris E. Fonvielle, Jr. (1987) PhD – Professor Emeritus, UNC-Wilmington, Wilmington, NC

Kevin Foster (1991) – Retired, Washington, DC

Chelsea R. Freeland (2014) – Foreign Affairs Officer, Cultural Heritage Center, U.S. Department of State, Asheville, NC

Mitchell Freitas (2017) – Petty Officer Second Class, United States Navy

Kristina J. Fricker (2019) – Historic Preservation Specialist, FEMA, U.S. Virgin Islands

Joe Friday (1988) – Retired Sergeant, Greenville Police Department, Greenville, NC

Adam Friedman (2008) PhD – Director of Research and Development, Atom Bioworks, Inc., Cary, NC

Don Froning (2007) – Archaeologist, Scientific Consultant Services, Inc., Honolulu, HI; Lecturer, Windward Community College, Kaneohe, HI

Olivia (Thomas) Fuller (2017) - PhD student, Texas A&M University, College Station, TX



Stephanie Gandulla (2014) – Resource Protection Coordinator, Maritime Archaeologist, Thunder Bay National Marine Sanctuary, Alpena, MI

Veronica Garrett (2008) – Veronica Garrett Bookkeeping, Bath, ME

Paul Willard Gates (2019) – Lab and Project Manager, Archaeology & Research, Lake Champlain Maritime Museum, Vergennes, VT

Kate Goodall (2003) – Co-Founder and CEO of Halcyon; Co-Managing Director, Halcyon Fund, Washington, DC

Amy (Rubenstein) Gottschamer (1995) – Real estate broker, Santa Fe, NM, and Lawrence, KS

Jeff Gray (1998) – Superintendent, NOAA Thunder Bay National Marine Sanctuary, Alpena, MI

Joe Greeley (2000) –

Cathy (Fach) Green (2003) – Executive Director, Wisconsin Maritime Museum, Manitowoc, WI

Russ Green (2002) – Superintendent, NOAA's Wisconsin Shipwreck Coast National Marine Sanctuary, Sheboygan WI

Jeffrey Groszkowski (2007) – Firefighter/Apparatus Operator, New Hanover County Fire Services, Wilmington, NC



Stephen Hammack (2007) – DPhil candidate, Institute of Archaeology/ St. Cross College, University of Oxford, UK

Phil Hartmeyer (2014) – Marine Archaeologist at NOAA Ocean Exploration, Silver Spring, MD

Lynn B. Harris (1988) PhD – Professor, East Carolina University, Greenville, NC

Margaret Harris (2004) – Southern California
Ryan Harris (2006) – Underwater Archaeologist III, Parks Canada, Ottawa, Ontario, Canada

Ian P. Harrison (2019) – PhD student, Public History, North Carolina State University, Raleigh, NC

Heather Hatch (2006) PhD – Collections Manager, Museum of Ontario Archaeology, London, Ontario, Canada

Chelsea Hauck (2016) – Yoga instructor, Bluebird Yoga, Mystic, CT

Jeanette (Moore) Hayman (2011) – Owner, Sunrover Dog Daycare, Bend, OR

Ian Hazel (2016) - Pittsburgh, PA

Patrick F. Herman (2017) – Senior Advisor, Amazon, Seattle, WA

Jacquelyn Hewett (2022) – Residing in Mount Airy, NC

Theresa Hicks (2012) – Inland Seas Institute, Washington, DC

Robert Holcombe (1993) – Retired, Naval Historian and Curator, Port Columbus Civil War Naval Center, Columbus, GA

Thomas W. Horn (2014) – Research Coordinator and Dive Supervisor, Florida International University's Aquarius Reef Base, Miami, FL

Trevor Harrison Hough (2018) – Archaeologist, SWCA Environmental Consultants

Bernard James Howard (2016) – Assistant Director, Heritage and Environmental Resources Office for the Seminole Tribe of Florida, Clewiston, FL

Joshua Howard (2004) – Independent Researcher, Portland, OR

Robin (Croskery) Howard (2016) – Senior Objects Conservator, Ah-Tah-Thi-Ki Museum, Clewiston, FL

Nathaniel Howe (2011) – Executive Director, Puget Sound Maritime and Chief Archaeologist, Cutwater Maritime and the Historic Sail Research Project, Seattle, WA

Joseph Hoyt (2008) – NOAA Diving Program Manager, NOAA's Office of Marine and Aviation Operations, Washington, DC

Michael D. Hughes (2003) – Senior Cybersecurity Manager, SAIC, Washington, DC

George Martin Huss II (2019) – Associate Archaeologist, Chronicle Heritage, Richmond, VA

J

Claude V. Jackson (1991) – Museum Curator, St. Louis, MO

Trip Jakeman (2020) – Officer Candidate for Naval Aviation, U.S. Navy, Seneca, SC

Tiffany (Pecoraro) James (2007) – Vice President of Project Development and Government Relations, Magnum Energy, Salt Lake City, UT

Brian Jaeschke (2003) – Curator of Collections, Mackinac Island State Park Commission, Mackinac Island, MI

John O. Jensen (1992) PhD – Associate Professor, Department of History, University of West Florida, Pensacola, FL

Doug Jones (2007) – Gulf of Mexico Regional Tribal Liaison, Bureau of Safety and Environmental Enforcement (BSEE), New Orleans, LA

Jennifer Jones (2012) PhD – University Program Specialist, Office of Economic and Community Engagement, East Carolina University, Greenville, NC

Rick Jones (1996) – Building Contractor, Morehead City, NC

K

John Kennington (1995) – Communications Officer, Campus Services, Georgia Institute of Technology, Atlanta, GA

Sara C. Kerfoot (2015) – East Zone Archaeologist, Superior National Forest, Tofte, MN

Nathaniel Robert King (2018) – Archaeologist, Department of Agriculture-Natural Resources Conservation Service (NRCS), Bangor, ME

James Michael Kinsella IV (2018) – Project Manager; VILT Development & Delivery Manager, Belgrade, MO

Kurt Knoerl (1994) PhD – Associate Professor, Department of History, Georgia Southern University, Armstrong Campus, Savannah, GA

Janie Rose Knutson (2018) – District Archaeologist, Black Hills National Forest, Mystic Ranger District, Rapid City, SD

Michael Krivor (1998) – Principal, RECON Offshore, Pensacola, FL

David Krop (2008) – Conservation Branch Head, Naval History and Heritage Command, Richmond, VA

L

Stephen Lacey (2019) – National Park Service Archeologist, Storm Recovery Team, Southeast Regional Office

Thomas Lacey (2020) –

Danielle LaFleur (2003) – Technical Careers Operations Coordinator, Lansing Community College, Lansing, MI

Marshall Lamm (2012) – Curator, North Carolina Baseball Museum, Wilson, NC

Kamsin Lawrence (2020) – Operations Manager, Wisconsin Maritime Museum, Manitowoc, WI

Matthew Lawrence (2003) – Maritime Archaeologist, Florida Keys National Marine Sanctuary, Key Largo, FL

Luke Lebras (2021) – Stonington, Connecticut

Adam Lehman (2006) – Associate Professor, Guilford Technical Community College, Climax, NC

Joseph Thaddeus Lengieza (2016) – Director of Marine Operations, U.S. Brig NIAGARA, Erie, PA

Amy Leuchtmann (2011) – PhD student, Oregon State University, Corvallis, OR and Maritime Archaeologist, HDR, Inc., Ann Arbor, MI

Matthew Lowe (2022) – Maritime Archaeologist, Chronicle Heritage

Jason Lowris (2000) –

Wayne Lusardi (1998) – State Maritime Archaeologist, Michigan Department of Natural Resources, Alpena, MI

M

Morgan MacKenzie (2011) MSN, RN – Outpatient Surgery Center, University of Virginia Health System, Charlottesville, VA

Jana (Otte) Madden (2014) – Residing in Aliquippa, PA

Richard Mannesto (1993) – Great Lakes Shipwreck Historical Society, Sault Ste. Marie, MI

Joshua Marano (2012) – Maritime Archaeologist, South Florida National Parks (Biscayne, Everglades, and Dry Tortugas National Parks); Adjunct Professor, University of Miami Rosenstiel School of Marine and Atmospheric Science, Homestead, FL

Eleftheria Mantzouka (2004) – Teacher, Montessori Community School, Durham, NC

Tom Marcinko (2000) – South Carolina Department of Natural Resources, Charleston, SC

Jacqueline Marcotte (2011) – Chiropractic Assistant, First Choice Medical Center, Longview, WA

Elizabeth (Pratt) Marlowe (2017) – Management Consultant, NWS, NOAA, Silver Spring, MD

Amy K. Marshall (1996) – Lead Grants Management Officer/ISDEEA Program Lead, Bureau of Land Management Alaska State Office, Anchorage, AK

Timothy Marshall (1999) – Heritage Program Manager, Chugach National Forest, Anchorage, AK

Ryan Marr (2019) – Law student, Dickinson Law School, Penn State University, State College, PA

Deborah Marx (2002) – Maritime Archaeologist, Key Largo, FL

Zachary T. Mason (2014) – Support Scientist/Lead Archivist, NOAA's Coral Reef Information System, University of Maryland, Earth Systems Science Interdisciplinary Center, MD

Rod Mather (1990) D.Phil – Professor of Maritime History and Underwater Archaeology, University of Rhode Island, Kingston, RI

Christopher McCabe (2007) – Coastal Archaeologist and Supervising GIS Specialist, Applied History Lab, University of Rhode Island, Kingston, RI

Dylan McCusker (2018) – Lead Archaeology Technician, Yosemite National Park, Yosemite, CA

Peter McCracken (1999) – Electronic Resources Librarian, Cornell University; Co-Founder and Publisher, ShipIndex.org, Ithaca, NY

Phillip H. McGuinn (2000) – Deputy Public Affairs Officer, U.S. Submarine Forces, Norfolk, VA; Naval Reserve Captain, U.S. Northern Command, Colorado Springs, CO

Tyler McLellan (2020) – Nautical Archaeologist, DoC Mapping, New Orleans, LA

Salvatore Mercogliano (1997) PhD – Chair, Department of History, Criminal Justice and

Political Science, Campbell University, Buies Creek, NC; Adjunct Professor, U.S. Merchant Marine Academy; Member of Editorial Board and Trustee of the National Maritime Society; Advisory Member, USS Monitor, NOAA National Marine Sanctuary Council; Vice President, North American Society for Oceanic History

Patrick J. Merrigan (2018) – Principal Investigator, Dive Safety Officer, SEARCH, Inc., Alexandria, VA

Ann Merriman (1996) PhD – Nautical Archaeologist, Maritime Historian, Administrative Director, and Co-Founder, Maritime Heritage Minnesota, St. Paul, MN

Keith Meverden (2005) – Conservation Warden, Wisconsin Department of Natural Resources, North Freedom, WI

Martha Mihich (2018) – Residing in St. Louis, MO.

Allison Miller Simonds (2017) – Historic Preservation Specialist, Federal Emergency Management Agency, Oakland, CA

David Miller (2005) – Instructor, Craven Community College, Havelock, NC

Valerie (Rissel) Mims (2012) – Marketing Coordinator, Craven Arts Council and Gallery, New Bern, NC

Robert Minford (2012) – Principal Associate at Capital One, Richmond, VA

Ryan W. Miranda (2020) – Maritime Archaeologist, Army Corps of Engineers, Galveston, TX

Calvin Mires (2005) PhD – Research Associate III, Woods Hole Oceanographic Institution; Faculty, Bridgewater State University, Bridgewater, MA

Mackenzie Mirre Tabeling (2023) -

Ivor Mollema (2015) – Archaeologist, Underwater Archaeology Branch, Naval History and Heritage Command, Washington, DC

Kimberly E. Monk (2003) PhD – Adjunct Professor in Historical and Maritime Archaeology, Trent University, Peterborough, Ontario, Canada

David Moore (1989) –

James Moore (2003) PhD – Marine Archaeologist, Bureau of Ocean Energy Management (BOEM), Sterling, VA

R. Scott Moore (1992) PhD – Distinguished University Professor and Chair, Department of History, Indiana University of Pennsylvania, Indiana, PA

Shawn Holland Moore (1998) – Retired from East Carolina University, Greenville, NC

Stuart Morgan (1985) – Public Information Director, South Carolina Association of Counties, Columbia, SC

Tyler Morra (2012) – Senior Operations Analyst at HomeStreet Bank, Seattle, WA

Jeff Morris (2000) – Director, Azulmar Research, LLC and Geomar Research, LLC, Port Republic, MD

John W. (Billy Ray) Morris (1991) – Former NC Deputy State Archaeologist Underwater and Director U/W Archaeology Branch, Kure Beach, NC



William Nassif (2020) – Underwater Archaeologist, South Carolina Institute of Archaeology and Anthropology, Columbia, SC

Sam Newell (1987) – Retired from Pitt County Schools, Contract History Consultant, Greenville, NC

Kevin Nichols (2002) PhD – Foreign Intelligence Office, Department of Defense and Adjunct Professor, Department of History, Rochester University, Rochester Hills, MI



Christopher Olson (1997) – Nautical Archaeologist, Maritime Historian, Operations Director, and Co-Founder, Maritime Heritage Minnesota, St. Paul, MN

Caleb O'Brien (2022) – Field technician, Cultural Resource Analysts, Inc, Evansville, IN

Jeffrey B. O'Neill (2016) – Lead Quality Assurance Analyst, 280first, Greenville, NC

Deirdre O'Regan (2001) – Editor, *Sea History*; Vice President National Maritime Historical Society, Pocasset, MA



Jason Paling (2003) PhD – Teaching Lecturer, Plymouth State University, Adjunct Professor, Rivier University and Nashua Community College, Director of the Hamontun Archaeological Project in Guatemala and Co-direct of the Ranch Ojo de Agua Underwater Project in Chiapas, Mexico and Chiquilistagua Archaeological Project in Nicaragua

Michele Panico (2018) – Residing in Greensboro, NC

Adam K. Parker (2015) – Senior Marine Project Archaeologist, AECOM, Glen Allen, VA

Sara Mackenzie Parkin (2019) – Principal Investigator, Edwards-Pitman Environmental, Inc., Atlanta, GA

Matthew Pawelski (2023) - Field technician, Cultural Resource Analysts, Inc, Lexington, KY

Harry Pecorelli III (2003) – Principal, Aqua Contractors and Oceanographics, Inc., Charleston, SC

Martin Peebles (1996) – ER Nurse, St. Petersburg, FL

Whitney Petrey (2014) – Environmental Planner Archaeologist, Caltrans District 1, CA

Taylor Picard (2022) – Archaeologist, Cultural Resource Facility, Cal Poly Humboldt, Arcata, CA

Morgan Pierce (2016) – Ph.D. student (History), University of Pittsburgh, PA.

Jacqueline Piero (2004) – Newark, DE

Andrew Pietruszka (2005) PhD – Underwater Archaeologist, Coastal Observing R&D Center, Scripps Institution of Oceanography, University of California San Diego, La Jolla, CA

Mike Plakos (2003) – Senior Technical Analyst, U.S. Navy, Washington, DC

Mateusz Polakowski (2016) – Senior Project Officer, MSDS Marine Ltd. and PhD student, University of Southampton, United Kingdom

Larkin Post (2007) – Gartley & Dorsky Engineering & Surveying, Camden, ME

Sarah Milstead Post (2007) – Permitting Specialist Gartley & Dorsky Engineering & Surveying, Inc, Owls Head, ME

Darren Poupore (2004) – Director of Curatorial and Archives, Biltmore Estate, Asheville, NC

Sami (Seeb) Powers (2007) – Anthropologist Planner, Intermountain Region Planning, National Park Service, Lakewood, CO

Edward Prados (1993) – Executive Director, Binational Fulbright Commission in Jordan, Amman, Jordan

Franklin Price (2006) – Underwater Archaeologist, Bureau of Ocean Energy Management, Tallahassee, FL

Melissa R. Price (2015) – Archaeologist III, Diving Safety Officer, Florida Bureau of Archaeological Research, Tallahassee, FL; Affiliated Fellow, PhD Researcher, Leiden University, Netherlands



Coral Rasmussen (1993) – Archaeologist, NAVFAC Pacific, Pearl Harbor, HI

John Ratcliffe (2012) – Underwater Archaeologist, Parks Canada, Ottawa, Canada

Penelope Ray (2009) – Director of exhibit development, 9/11 Memorial and Museum, New York, NY

Elise Twohy-Reagan (2020) – Chief of Education, The Charleston Museum, Charleston, SC

James R. Reedy, Jr. (1987) – Contract Archaeologist, Morehead City, NC

Phillip Reid (1998) PhD – Maritime Historian and Author, Wilmington, NC

Alyssa D. Reisner (2017) –

Darby Robbins (2022) – Conservator, Florida Bureau of Archaeological Research, Tallahassee, FL

William A. Robie, Jr. (1993) – Residing in Atlantic Beach, NC

Todd Robinson (1998) – International Baccalaureate Program History Instructor, James Island Charter High School, Charleston, SC

Bradley Rodgers (1985) PhD – Retired, Emeritus Professor, Program in Maritime Studies, Department of History East Carolina University, Greenville, NC; Senior Scientist and President, Inland Seas Institute

Jason Rogers (2004) PhD – Archaeologist, National Park Service, Anchorage, AK

Filippo Ronca (2006) – Senior Underwater Archaeologist, Parks Canada, Ottawa, Ontario, Canada

Allyson Genevieve Ropp (2016) – NOAA Dr. Nancy Foster Scholar; PhD Candidate, East Carolina University Integrated Coastal Sciences Program; and NC OSA Historic Preservation Archaeological Specialist, Greenville, NC

Aja Rose (2017) -

B. Scott Rose (2017) – Laboratories Mechanic II, Department of Geology, East Carolina University, Greenville, NC

Madeline J. Roth (2018) – PhD Candidate, East Carolina University Integrated Coastal Sciences Program

Lindsay (Smith) Rothrock (2010) – State Cultural Resource Coordinator, Florida Department of Transportation, Tallahassee, FL

Lauren A. Rotsted (2015) – Dive Immersion Program Coordinator and Researcher, Georgia Aquarium, Atlanta, GA

Matthew Russell (1995) PhD – Archaeology Program Manager at Environmental Science Associates, San Francisco, CA

S

Stephen Sanchagrin (2014) – Edge Engineer, Apple Corporation, Austin TX

William Sassorossi (2015) – Marine Archaeologist at Gray & Pape, Richmond, Virginia, United States

John Schaefer (1994) – Schoolteacher, Washington, NC; PhD student, UNC Chapel Hill

William J. Schilling IV (2017) – Disability Claims Supervisor, Social Security Administration, Salt Lake City, UT

James Schmidt (1991) – Vice President, Maritime Division, R. Christopher Goodwin & Associates, Frederick, MD

Robert Schneller (1986) PhD – Historian, Naval History and Heritage Command, Washington DC

Laura Kate Schnitzer (2012) – Archaeologist, New South Associates, Georgia Office

Jillian Schuler (2023) – Assistant Underwater Archaeologist, Virginia Department of Historic Resources, Richmond, VA and Tale of Two Ships Research Fellow, North Carolina African American Heritage Commission

Emily Anne Schwalbe (2016) PhD – Research Fellow, Trinity College Dublin, Dublin, Ireland

R. Laurel Seaborn (2014) – Founder, non-profit organization SEAMAHP.org (Seafaring Education and Maritime Archaeological Heritage Program; Sailing Captain and Instructor, Florida Keys, FL

Benjamin Siegel (2011) – Diebold Fellow and R. Kirk Underhill Fellow, Department of Anthropology, University of California, Berkeley, Berkeley, CA

Lucas S. Simonds (2014) – Project Director, International Archaeological Research Institute, Inc., Pittsburg, CA

Jessica Smeeks (2014) – Visiting Assistant Professor, SUNY New Paltz, NY

Joshua Smith (1997) PhD – Professor, Department of Humanities, U.S. Merchant Marine Academy, & Interim Director, American Merchant Marine Museum, Kings Point, NY

Timothy Smith (2020) - Project Coordinator at the Ancient Egypt and Nubia Galleries at the University of Pennsylvania (the Penn Museum), Philadelphia, PA

Jon Travis Snyder (2006) – Middle School Level Lead and Math Instructor, Montessori School of Denver, Denver, CO; Instructor, Guitar Construction, Red Rocks Community College, Lakewood, CO

Stephanie Soder (2019) – Research Archaeologist, Maryland Historical Trust, MD

Chris Southerly (2003) – Deputy State Archaeologist, Diving Safety Officer, NC Underwater Archaeology Branch, Kure Beach, NC

Kathy A.W. Southerly (2006) – Assistant Dive Safety Officer at North Carolina Aquarium at Fort Fisher, Wilmington, NC

Sara Spatafore (2017) – Adjunct Instructor of History, East Carolina University Department of History, Study Abroad Program, Certaldo, Italy

James Spirek (1993) – State Underwater Archaeologist, SC Institute of Archaeology & Anthropology, Columbia, SC

Joyce Steinmetz (2010) – Self-employed captain

Gregory O. Stratton (2015) – Underwater Archaeologist, Defense POW/MIA Accounting Agency (DPAA), JBPHH, HI

Sophie Stuart (2018) – Youth Programs Coordinator, Chesapeake Bay Maritime Museum, St. Michaels, MD

Sydney Swierenga (2020) – Archaeology Technician, Wood, Inc. and SWCA, Okemos, MI

T

Mackenzie (Mirre) Tabeling (2023) – Project manager, Environmental Corporation of America

Aleck Tan (2020) – Archaeologist/GIS Specialist, Pacific Legacy, Arcata, CA

Bruce Terrell (1988) – Retired, NOAA National Marine Sanctuaries Maritime Heritage Program; President, Maritime Heritage Chapter of the Archaeological Society of Virginia, Richmond, VA
William H. Thiesen (1993) PhD – Atlantic Area Historian, United States Coast Guard, Portsmouth, VA

Matthew Thompson (2010) – Director and Maritime Archaeologist, Thompson Maritime Consulting, Lumberton, NC

Bradley D. Thorson (1982) –

Hans Van Tilburg (1995) PhD – Maritime Heritage Coordinator, NOAA Office of National Marine Sanctuaries, Pacific Islands Region, HI

Ray Tubby (2000) – Nautical Archaeologist, SEARCH, Inc., Pensacola, FL

Lex Turner (1999) – Psychiatric Nurse Practitioner - PCMH, Greenville, NC

Kenneth Tyndall (1988) – New Bern, NC

U

Sonia Valencia (2017) –

Joshua Vestal (2019) – Associate Personal Banker, Wells Fargo, New Bern, NC

Christopher Valvano (2007) – Archaeologist for the USDA Natural Resources Conservation Service, Lansing, MI

W

John Wagner (2010) – Fitness Supervisor, Montrose Recreation District, Montrose, CO

Daniel Warren (1998) – President and Principal Investigator, P&C Scientific, Landrum, SC

Sarah Waters (1999) – Program Coordinator, NOAA Great Lakes Bay Watershed Education Training Program, Alpena, MI

Gordon P. Watts (1975) PhD – Retired from ECU 2001; Director, Tidewater Atlantic Research and International Institute of Maritime Archaeology, Washington, NC

Jenna Watts (2000) – Veterinary Technician, Parkside Animal Health Center, Aurora, CO

Andrew Weir (2007) – President, Chronicle Heritage, Traverse City, MI

Wilson West (1985) PhD – Principal Consultant, WestHall Heritage Research and Consulting, Toronto, Ontario, Canada

Robert Westrick (2001) – Marine Archaeology Project Director/Cultural Resources Principal Investigator, J. M. Burguières Company, Ltd., Lafayette, LA

David Whipple (1993) – Alexandria, VA

Heather White (2004) – Assistant Director for Assessment and Engagement, Joyner Library, East Carolina University, Greenville, NC

Scott Whitesides (2003) – Archaeologist/
Curator, Golden Spike National Historic Site,
Brigham City, UT

Elizabeth Whitfield (2005) – Owner, TriBella
Multisport, Denver, CO

Kimberly Williams (2000) – Vice President of
People, Walker Advertising, Torrance, CA

Stephen Williams (2004) – Owner, PACC
Consulting, LLC., Sanibel, FL

Adriane Askins Wise (2000) – Command
Historian, US Army Medical Department Center
and School, Health Readiness Center of Excellence
(AMEDDC&S), Joint Base San Antonio - Fort Sam
Houston, TX

Nicole Wittig (2013) – Cultural Resources
Manager, F. E. Warren Air Force Base, Cheyenne,
WY

Sarah Wolfe (2001) – Exhibit Registrar, George
Washington's Mount Vernon, Mount Vernon, VA

Steve Workman (2002) PhD – Retired + (50
year PADI instructor), Melbourne, FL

Annie E. Wright (2018) – Archaeologist,
National Park Service Submerged Resources Center,
Denver, CO

Jeneva Wright (2015) – Archaeologist for
Climate Change, National Park Service, Fort Collins,
CO

Elizabeth Wyllie (2012) – Sales Accountant,
Ferguson Enterprises, Bellevue, WA

Y

Wilson York (2007) – Teacher, The Paideia
School, Atlanta, GA

Andrea Yoxsimer (2022) – Hydrographer
(Survey Technician), NOAA, Newport, OR

Z

Caitlin N. Zant (2015) – Maritime
Archaeologist, Wisconsin National Marine
Sanctuary, Madison, WI

Trenton Zylstra (2021) – Maritime
Archaeologist, R. Christopher Goodwin &
Associates, Frederick, MD



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