



Webb News

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MISSION STATEMENT

To inspire and educate tomorrow's leaders in an extraordinary learning community focused on engineering and design in the marine field.

Webb Institute:

- Provides a rigorous education in the principles of engineering and the fundamentals of naval architecture, marine engineering and related marine technologies;
- Develops skills that will enable graduates to become leaders in, and make significant contributions to, their chosen profession and the wider community;
- Instills in graduates the highest ethical standards and sense of professionalism;
- Cultivates curiosity in the arts, sciences and humanities, and provides the background and encouragement necessary to support lifelong learning; and
- Perpetuates the values of William H. Webb.

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Message from the President: A FINAL FAREWELL



Keith Michel '73

President

Well over 135 years ago William Webb began to imagine a new type of academic institution, a school dedicated to the art and science of shipbuilding and ship design that offered a free education to all who attended. As Webb's vision emerged in the form of Webb's Academy and Home for Shipbuilders and then morphed into the Webb Institute of Naval Architecture and later simply Webb Institute, the Mission so clearly established by Mr.

Webb has not changed. Today, Webb Institute remains a magical place where students can focus on the study of naval architecture and marine engineering while their tuition is supported by the many alumni and friends of Webb who came before them. It is my honor and privilege to have attended Webb Institute and then served the past nine years as its president. Thank you for all of your support over this time. Together, we have helped perpetuate this special Institution and all it represents. Peggy and I thoroughly enjoyed our time at Webb. The memories will endure forever. I have just completed the cross-country drive (July 9th) with my dog Barney, returning to my home in Alameda, California. I already miss my many friends at Webb and look forward to returning for President Mark Martecchini's inauguration this fall and for my 50th class reunion next spring.

One of my final acts as President of Webb was to present the commencement address to the class of 2022. The text of the speech follows.

With my warmest regards and best wishes,

- Keith Michel

Commencement Address

I have fond memories of my graduation from the Webb Institute of Naval Architecture some forty-nine years ago. It was a smaller gathering back then, with chairs set up on the back patio of Stevenson Taylor Hall. We sweltered under the bright sun. I especially remember that wonderful feeling. After four years of arduous work, there was an overwhelming sense of accomplishment. I hope you all feel that way. What you have done is simply amazing. Now, your life is about to enter a new phase, an exciting phase with so much promise. You are well prepared. I urge you to make the most of it!

Let me begin my remarks with a few suggestions. Steps you can take towards a happy and successful life.

1. Chase your passions

Do what motivates you. Enjoy life. You will face many forks in the road. Don't always take the easy path. Take the one

that promises to be most fulfilling for you and most impactful on those around you.

2. Be resilient

Life throws you a lot of curve balls. Don't angst over the small things. Be bold. Take a few chances along the way.

3. Give back whenever and wherever you can

Don't be satisfied doing only what is asked of you. Find ways to do more. Don't waste a lot of time worrying about whether you are maximizing returns for your efforts. The returns will come naturally. The more you give of yourself, the more you will be rewarded in terms of personal fulfillment and happiness. Give until it feels good.

These are tenets I have tried to follow in my own life. They served me well. Of course, I was not always successful. I made my share of mistakes and you will too. Now, a few

words about my own life experiences, during and after Webb. I was the second Michel to attend Webb. My uncle Walter Michel graduated from the Bronx campus in 1939. He was the roommate of Cedric Ridgely-Nevitt. Cedric was first in his class – my uncle was last. Cedric would become a professor of naval architecture at Webb, teaching ship design to many generations of Webbies, myself included. My uncle would have a remarkable career of his own – serving as chief naval architect at Friede & Goldman, leading the design of the first purpose built semi-submersible, the C8 LASH ships, and many other innovative vessels.

First semester freshman year, we were required to draw a set of tugboat lines. This was before the age of computers so all drawings were done by hand. To make the task more challenging, we were not permitted to use splines or French curves. The lines had to be done free hand. I remember one afternoon as I toiled over my lines plan, I sensed someone looking over my shoulder. Yes, it was Prof. Nevitt. He stared at my drawing for what seemed like an eternity. Then, he shook his head and exclaimed, “Your uncle would fire you!” After he left, I ripped up the drawing and started over.

Another indelible, not so fond memory from my freshman year, was a physics quiz given by Dr. Joseph Urban, Dean and professor of science at Webb. The quiz had a single question, simply stated: “Design a refrigerator that works on the moon”. I didn’t have a clue. After forty-five minutes, I had little to show for my efforts. My grade was as expected. And I could take little solace in the fact that most of my classmates also failed the quiz. I started to wonder whether I had what was needed to succeed at Webb.

I say this because I suspect each one of you had similar thoughts run through your mind, sometime over the last four years. Webb is a challenging journey. You have risen to the challenge. Without always realizing the changes, you have grown each step along the way.

I thoroughly enjoyed my four years at Webb. The friendships formed have lasted a lifetime. Like many of you, I took advantage of leadership opportunities, serving two years as Webb’s athletic director. And after the rough start I did well in my naval architecture courses and took a liking to concept level ships design. But upon graduation I had not yet developed a passion of naval architecture and marine engineering. That would come later. My plan was to study bioengineering in graduate school.

The summer after graduation from Webb, I attended the University of California in Berkeley, taking a few prerequisite courses for graduate study. That is when I learned that there was something special about the work habits developed at Webb. In an organic chemistry class of two hundred students, I had the highest grade. It is also when I learned that bioengineering was not the career for me.

So not quite sure about what my next step in life would be, I did what every Webbie would do. I went sailing. I returned to the east coast to help deliver a sailboat from Long Island to the Caribbean. Running out of money, I jumped ship in Hilton Head and began phoning prospective employers. I remember putting coins into the phone – yes, that was a thing in those days – and calling the office of Robert N. Herbert, Naval Architects. After a ten-minute phone call with Bob Herbert, and having pumped the last of my quarters into the phone, Bob offered me a job. I asked Bob if he paid moving expenses. He said no. I explained in that case it would be a while before I could start as I’d be hitchhiking across America. He said he’d think it over and call me right back. I later learned that Bob called Adm. Brockett, then president of Webb, to make sure I was for real, and this was not a scam. Bob did call back and said he could offer me a loan to cover moving expenses. That was the beginning of a wonderful friendship. I could not have asked for a better mentor, both professionally and in life.

The lesson here is that it is OK to be confused at times. Life is not linear. There are bumps in the road. Be resilient and open to changes in direction. I planned to work a couple of years at Herbert. Forty years later, I reluctantly left Herbert for a once-in-a-lifetime opportunity – to become President of Webb. This being the only other job I would imagine considering.

" So not quite sure about what my next step in life would be, I did what every Webbie would do. I went sailing."

Herbert specialized in concept level and preliminary design of oceangoing cargo ships. These vessels included open hatch bulk carriers, specialized ro-ro vessels, containerships, and tankers. Throughout my time at Herbert, we were at the forefront of many innovations in ship design. This gave me an opportunity to pursue my passion for designing safer and more environmentally friendly ships. Every ship we designed was a double-hulled vessel. Although there were no international regulations for subdivision and damaged stability during my early years at Herbert, every ship we designed meets today’s standards.

Like many of you who are graduating today, I am driven by a passion for the environment, especially the ocean environment. I was brought up swimming and surfing on Long Island Sound. At that time, the beaches were strewn

with oil globules, emanating from ships washing their oil tanks. My Webb thesis was on oil spill recovery.

After the Exxon Valdez ran aground in 1989, together with my colleagues at Herbert, I co-authored a SNAME paper on tanker oil outflow performance. By this time, I had become friends with Adm. William Kime, then commandant of the US Coast Guard, through our collaborative work at SNAME. As IMO was assessing tanker design alternatives for mitigating oil outflow, Bill directed the paper be forwarded to IMO for consideration. I would later chair the IMO working group tasked with developing subdivision standards for tankers and I developed the methodologies and first draft of the regulation establishing double hull or equivalent protection for fuel tanks on cargo ships. Many of these ideas on oil pollution mitigation worked their way into Herbert's designs for tankers and other cargo ships. Over the 20 years between 1990 and 2010, major oil spills were reduced by a factor of 100. I am proud to have played a small part in those efforts.

As SNAME president in 2009, I gave speeches on climate change at technical conferences and universities around the world, encouraging the maritime industry to take the lead in greenhouse gas emission reduction. A few years ago when elected to membership in the National Academy of Engineering, I was pleased when the citation read: "for his contributions to the design, construction, and operation of efficient, environmentally friendly ships." This was certainly one of my life's true passions.

I have spoken about chasing one's passion and resilience. Now, a few words about the importance of giving back. Giving back can come in many shapes and forms.

You should give back to your community. You can help out at community organizations and with your local government. Most of you will have families. You can get involved with Boy Scouts & Girl Scouts. You can coach your children's sports teams. I have found these types of endeavors to be some of the most rewarding experiences of my life.

You should also give back to your chosen profession. Assuming it's the marine field, you can take leadership roles in professional societies. You can mentor those that come after you. If your company allows, disseminate your knowledge to others. I have personally written over 20 technical papers and served on numerous National Academy committees. I enjoy explaining what I learn to others and found these papers and reports to be beneficial to my own professional advancement. There are also many ways to take leadership roles in your respective companies. These might be in the form of making presentations to fellow employees, organizing social events, and encouraging others to become involved in outside organizations.

As you find ways to give back, please don't forget Webb. You have been the beneficiary of a full tuition scholarship.

"Like many of you who are graduating today, I am driven by a passion for the environment, especially the ocean environment. "

Some of you have also received room & board support under our demonstrated need scholarship program, established just four years ago. Going forward, you can mentor Webb students as alumni have mentored you. As your careers progress, you can come back and speak at Webb. And, of course, you can donate to Webb. In that regard, you have already taken the first step, by helping fund a new Student Kitchen stove and the sound system for the pub. I urge you to be generous in future years. You are not required to give – it is your choice. But if Webb is to continue to provide full scholarships to future generations of students, it needs your support.

I would like to close with some final words of advice to our 2022 graduates.

You have learned to help others and, when needed, to lean on your classmates and mentors for support. Please do not hesitate to reach out to your Webb family in the future.

The world is changing and the pace of change is accelerating. Whatever career path you pursue, think big and embrace change. Should you remain in the marine industry, an exciting future awaits you. In the coming decades, we need to design and build carbon neutral ships with fewer emissions, we will move towards more autonomous vessels, and we will find ways to make shipping more efficient and reliable. You will have the opportunity to play a major role in these developments – take full advantage. Remember, there are always opportunities for collaboration in the marine industry. It's a field where both your colleagues and your competitors become your best friends. Forge those relationships and you will be rewarded in kind.

Finally, I would like to thank each of you for coming to Webb. From our interviews four plus years ago to these commencement exercises, it has been my pleasure to have worked with you and witnessed your many accomplishments. I look forward to hearing from you as your families and careers develop, and I extend my very best wishes for a happy and fulfilling future.

Bon Voyage!



The Class of 2022 Commencement

On Saturday, June 18th, Webb Institute awarded 24 Bachelor of Science Degrees at the 126th Commencement Ceremony.

On Saturday, June 18th, 24 students were awarded a dual Bachelor of Science degree in Naval Architecture and Marine Engineering. One graduate wasn't in attendance since he was sailing in the Newport to Bermuda Race.

It was a brisk day but that didn't hamper the high spirits of the day.

The principal speaker was R. Keith Michel (Webb 1973), his last event as Webb President. He encouraged the graduates to chase their passion; be resilient; and to give back whenever and wherever you can, keeping Webb in mind.

Jim Rodgers presented the senior farewell speech. His closing remarks were:

"In the coming days, we will cast off from this place, and brave the storms of change to find calmer seas and fairer winds. I wish you all, my fellow graduates, a wonderful journey ahead and safe passage to whatever lies beyond these great brick walls. We've come so far, and now, there's nothing we can do that won't qualify as simply extraordinary."

The new graduates will join the workforce or continue their education. Notable employers include Chevron, Glosten, General Dynamics/Bath Iron Works, Carderock Combatant Craft Division, HydroComp, and the Hockema Group, to name a few. We know they will thrive at whatever they do.

Best wishes!



Student speaker, Jim Rodgers '22, addressing the audience.



Post Graduate Plans

Jonas Armstrong	Hydrocomp
Kevin Becker	MIT
Anika Breza	Undecided
Rudy Caligure	BAE Systems
Toni-Marie Gossage	GD Bath Iron Works
Flora Grilli	MIT
Christopher Hamilton	NAVSEA Combatant Craft
Christopher Harris	Carderock
Calder Hartigan	Glosten
Nathan Johnson	Sabre Yachts
Liam Keady	Marine Systems Corporation
Luke Kiely	Hockema Group
Sasha Kritsuk	Herbert Engineering
Juliette Lehman	Elliot Bay Design Group
Benjamin Lilly	Glosten
Jensen McTighe	University of Rhode Island
Ioana Mirica	BAE Systems
David Ockers	ABS
Kevin O'Keefe	U Michigan
Kyle Oliver	Marine Design Dynamics
Jim Rodgers	Grad School
Gracie Schmitz	Murray & Associates, Inc.
Rebecca Teitelbaum	NAVSEA Combatant Craft
Minh Tran	Chevron Shipping

Awards

— TOTAL PERFORMANCE —

CHAFFEE MEMORIAL PRIZE

David A. Ockers

for general excellence

{Sponsored by Trustee Emeritus Joseph J. Cuneo '57}

— LEADERSHIP AND ETHICS —

PATRICK S. MATRASCIA GOOD SHIPMATE AWARD

Rebecca R. Teitelbaum

for working unselfishly and in harmony with classmates

{Sponsored by President R. Keith Michel '73 & Family}

THE CHARLES KURZ II (Hon.)

COMMUNITY SERVICE AWARD

Juliette M. Lehman

for exemplary commitment of service to others through volunteerism, community service, and civic outreach

{Sponsored by Charles Kurz II (Hon.)}

PAUL E. ATKINSON MEMORIAL PRIZE IN ETHICS

Rebecca R. Teitelbaum

for demonstrated commitment to ethics

{Sponsored by Paul E. Atkinson Memorial Fund}

— ACADEMICS —

J. LEWIS LUCKENBACH MEMORIAL PRIZE

Calder J. Hartigan

for highest general average in four-year course

{Sponsored by the American Bureau of Shipping}

CHARLES A. WARD, JR. MEMORIAL AWARD

Calder J. Hartigan

for excellence in naval architecture & marine engineering

{Sponsored by Chairman of the Board, Bruce S. Rosenblatt and the Ward Family}

JENS T. HOLM '41 MEMORIAL AWARD

Rudolph W. Caligure

for excellence in marine engineering

{Sponsored by George A. Gilmore '57}

KEELER MEMORIAL PRIZE

Anika M. Breza

for highest average in mathematics

{Sponsored by Past Trustee, Dr. Luther Tai}

RICHARD A. PARTANEN HUMANITIES AWARD

Calder J. Hartigan

for excellence in humanities

{Sponsored by the Class of 1987}

CURRAN MEMORIAL PRIZE

Toni-Marie M. Gossage

for most outstanding and consistent improvement

{Sponsored by Past Trustee, John A. Malone '71 and his wife Amy}

— THESIS —

STEVENSON TAYLOR MEMORIAL PRIZE

Benjamin T. Lilly

for excellence in the senior thesis

{Sponsored by the American Bureau of Shipping}

LEWIS NIXON MEMORIAL PRIZE

Calder J. Hartigan

for excellence in the senior thesis

{Sponsored by Trustee Emeritus, John W. Russell '67}



THESIS TITLES

Jonas Armstrong	Reverse Engineering a Vessel's Hydrostatics to Generate the Hull Geometry
Kevin Becker	Improving the Pathfollowing Capabilities and User Interface of Webb Institute's ASV
Anika Breza and Minh Tran	A Feasibility Study and Concept Design of a Modular Battery System for Small Vessels
Rudy Caligure and Nathan Johnson	Case Study on a Fully Electric Repowering of a Small Craft
Flora Grilli	Analysis of the Hydrodynamic Performance of a Hydrofoil in an Unsteady Velocity Field
Toni-Marie Gossage and David Ockers	A Simplified Test for Recreational Vessel Stability
Christopher Hamilton and Jim Rodgers	Wave Response Characteristics of Submerged Floating Tunnels in Varying Conditions
Christopher Harris	Modeling and Robust Optimization of Slurry Flow using the Delft Head Loss and Limit Deposit Velocity Model
Calder Hartigan	A Computational Fluid Dynamics Analysis of the Unsteady Calm Water Resistance of Slender Hulls Under Harmonic Surge Excitation
Liam Keady	Study of Engine Vibrations with a Concentration on Reciprocating Forces
Luke Kiely	A Feasibility Study of the Installation and Operation of a Floating Offshore Windfarm in the United States
Sasha Kritsuk and Juliette Lehman	The Design, Build and Test of an Oscillating Water Column Wave Energy Converter
Ben Lilly	Analysis and Optimization of Power Plant Selection for Harbor Tugboats
Jensen McTighe	An Investigation of Wing Sails with Fixed Winglets
Ioana Mirica	Motion Response of a Tension Leg Platform (TLP) in Incident Waves
Kevin O'Keefe and Gracie Schmitz	An Investigation of the Optimal Design of an Allam-Fetvedt Cycle
Kyle Oliver	Automation of the Creation of Marine Electric One Line Diagram Drawings
Rebecca Teitelbaum	Rules Based Design: Automation of a Vessel General Arrangement

Thesis posters, descriptions, senior spotlights, and presentations are available at:
www.webb.edu/academics/class-of-2022/

Webb Alumni Association A New Sheriff in Town

by Ted Dickenson '92, WAA President



Hello everyone! I am excited to begin my term as Alumni Association President and look forward to interacting with many of you. My goal is to support as much engagement among alumni as possible, with each other and with Webb itself, and to continue WAA's roles putting on events, encouraging and coordinating mentorship, and providing recognition to members. I want to thank Vicky Dlugokecki '88 for her work over the past two years as my predecessor, and her many years of service prior to that. As President she accomplished a lot to improve the WAA's communications with the Webb community and to modernize how our organization is run. I have some big shoes to fill!

On May 21, 2022, the WAA held their Annual Meeting, in-person for the first time since 2019, on campus at Homecoming. Proceedings were held under Peggy's Tent with standing-room-only attendance, and more than two dozen others attended virtually as well. During the meeting we paused to remember twelve WAA members we learned had passed away during the previous year, presented athletic awards to four very athletically active students, and then recognized honorary alumnus and dear friend, Gailmarie Sujecki, for her incredible 40 years of service to Webb. After that we enthusiastically (and unanimously) voted 24 members of the Class of 2022 into the Association. Welcome aboard! Elections for WAA Officers and Executive Committee members resulted in the unanimous election of myself as President, Leah Sosa '08 as Vice President, Jacob Genauer '10 as Treasurer, Steve Pagan '88 as Secretary, Matt Werner '95 as Historian, Jenna Ferrieri '11 and Tom Waters '89 as Nominating Committee members, and Mike Abbruscato '11 and Jay Edgar '87 as Auditing Committee members. At the conclusion of the Annual Meeting, we were finally able to present the 2020 William Selkirk Owen award, long delayed by the pandemic, to Dr. Kenneth Fisher '64.

I am happy to report that the Webb Alumni Mentorship program ("WAM!") is going strong. This year 23 (out of 24) members of the junior class signed up to participate,

which is a clear indicator of its value. Topics discussed in mentorship relationships may include career path, graduate education, thesis work, job opportunities, networking, communication skills, and even things like getting situated in a new city or community and adjusting to life changes. It is an opportunity for bonds to form across generations, strengthening the connectedness of our community in a meaningful way. It is not a one-way street - mentors benefit from the program as well. We currently have a pool of roughly 100 mentors and are always looking for additional volunteers. Thanks to Andrew Pidduck '19, Fifth Member, and Sean Murphy '13, Member at Large, for managing and growing this important program.

This past year has been a busy one for regional gatherings as we began to emerge from pandemic restrictions on in-person events. Over the winter and spring of 2022, sixteen (!) regional events were held in the US and Europe as part of Keith Michel's "Farewell Tour", bringing together a total of almost 300 alums, spouses, students, faculty, and staff. I attended one of these events myself and really enjoyed it. Eric Linsner '70, WAA 6th Member, is working with our Regional Coordinator volunteers to try to keep the momentum going - watch for announcements for more future events. We are very appreciative of the hard work that the Regional Coordinators put in to organize these events - thank you! If you would like to get involved helping to set up events in your area, or are looking for support in doing so, please reach out to Eric or Gailmarie.

As I write this we are beginning the planning process for our Annual Banquet, which we expect to be held in conjunction with the SNAME Maritime Convention in Houston the last week of September. Please be on the lookout for the details on that. Please also check the Webb Institute Community Portal for news and events, and update your profile when you can.

Thanks everyone!



Winter Work Term

More than a Robotics Company

by Jonathan Allen '23



Jonathan Allen '23 controlling D2 on his last day of Winter Work Term



Jonathan's Co-Worker, Evan with the renovated mini-sub

I'm sure you've heard the phrase "Good things come to those who wait". When finding winter work spots, I wouldn't recommend it, but I got lucky for my junior year internship. I still did not have a job lined up in early December when Professor Golden sent out an email saying an underwater robotics company was looking for two interns. A cover letter, interview, and acceptance letter in a couple days and I had booked my ticket for the sunny shores of central Rhode Island. Three months later and I had completed my favorite internship on the chilly shores of Key West.

The Global Foundation for Ocean Exploration (GFOE) is more than just a robotics company. They design, build, maintain, and operate some of the most sophisticated

remotely operated vehicles (ROVs) in the world. They run expeditions across the seven seas searching for some of the world's most isolated plants, animals, and shipwrecks. Capable of going 6000 meters deep, almost four miles, deep, GFOE has explored areas such as the Hawaiian Islands, Mid-Atlantic Ridge, and Marianas Trench. I did my internship with Evan Spalding, a sophomore who, like me, absolutely loves to ski. We went skiing several times in Vermont and his home "mountain" of Yawgoo on a powder day. I also took trips to Newport, Maine, and Boston. Weekends were always fun to explore the Northeast in the winter for a Florida man.

I worked at GFOE's main workshop in Quonset, Rhode Island for seven weeks. While there, I got to go hands-on



Above: Jonathan Allen '23 in front of D2

Right: The Okeanos Explorer in Key West



almost every single day with their two largest ROVs, Deep Discoverer (D2) and Seirios. From the first day, they had Evan and I working on the different systems. The first week we completely took apart and reassembled the rock boxes and drawers on D2. After that, I worked on the hydraulics system, tracing out the different components and adjusting the manifold settings so the speeds were correct. Then using Solidworks I made from scratch an adapter piece for the new PDM cable on D2 that was put out for order a week later. One of my favorite things was to restore an old mini-sub that used to dive in Narragansett Bay. It will now be on display at the Mystic Seaport Museum. These are just a few of the things they had Evan and I doing, and we never found ourselves without meaningful and interesting work.

The highlight of the internship; however, had to be my 10 days going from Pascagoula to Key West on a “shakedown cruise” aboard NOAA’s *Okeanos Explorer*. All of the mission systems on board were rigorously tested to get ready for their spring and summer expeditions. I shadowed all the different team members from the deck hands, navigator, co-pilots, and winch team. I quickly fell into a pattern on board and enjoyed life on the water.

I liked it so much, I went back. This summer I was part of their expedition to the Azores Islands off the coast of Portugal for 28 days. I’m especially thankful to Professor Golden for connecting to me to this great company filled with awesome people. Even if I had to wait for it.

The Upended World of College Admissions

by Lauren Carballo
Director of Admissions & Student Affairs



Across the country, undergraduate enrollment numbers have continued to decline. Decreases in birthrates and increases in colleges' cost of attendance initially sparked this decline over a decade ago, and the COVID-19 pandemic has only accelerated it. In fact, according to the National Student Clearinghouse Research Center, undergraduate enrollment numbers across the country have decreased by a total of 9.4% since before the start of the pandemic. With fewer students choosing to enroll in colleges, college admissions officers are working hard to recruit and yield students in order to meet enrollment goals, which are becoming more and more difficult to meet. Student Loan Hero reported that out of the 1,225 colleges they examined in their research, close to 70% of college acceptance rates increased over this timeframe, meaning that being accepted into those colleges became easier due to decreases in application numbers and yield rates. Even with the challenges facing the world of admissions, I am proud to report that Webb is among the minority of colleges that has continued to become more selective throughout the pandemic by hitting a record number of applications as well as achieving a record low acceptance rate again this admissions cycle (see below).

Even while Webb has continued to attract a competitive pool of applicants, the pandemic has impacted Webb's

admissions process and academic program, as it has with all colleges. Due to the pandemic, high schools have faced challenges with technology, staff shortages, high rates of absenteeism due to quarantines and isolations, closures, significant grade inflation, and so on. Students have struggled with losses in instructional time (some research quoting upwards of three months' worth!), a lack of structure, limited accessibility to take standardized testing, limited ability to participate in extracurricular activities, limited opportunities to visit colleges, as well as increases in mental health issues. This most significantly impacted low-income and rural areas, for which resources were already limited.

Such challenges made evaluating applicants more challenging this cycle. Grade inflation and a lack of a ranking system at many schools made it more difficult to understand students in the context of their schools. The pandemic also led to the de-emphasis of the role of standardized testing in admissions, with many schools going test-optional and leading more students to choose not to take standardized tests. This impacted Webb's applicant pool, with 40% of applicants this year choosing to apply to Webb without a standardized test score, similar to many of our peer institutions. Furthermore, for those who did take a standardized test, the data showed gaps in

FIGURE 1

TOTAL NUMBER OF APPLICANTS TO WEBB

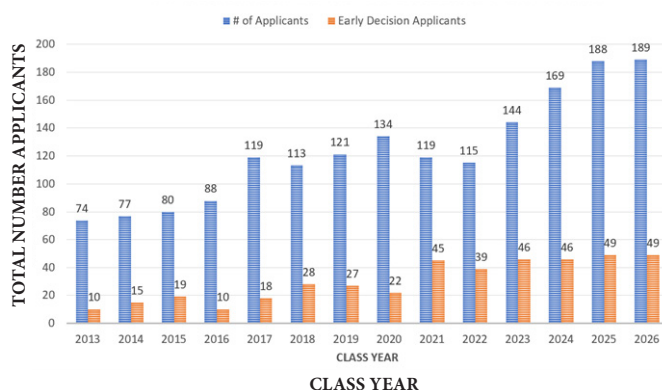
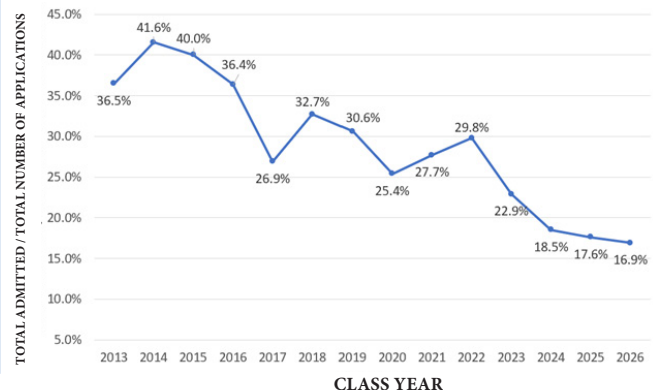


FIGURE 2

ACCEPTANCE RATE AT WEBB



learning when compared to prior years. Since 2012, Webb has also had students complete an additional assessment in English and Math during their overnight visit to provide additional insight in our process and continued to do so during the pandemic. Webb also observed gaps in students' education on these assessments, particularly in math.

Yet even so, Webb is excited to have enrolled 27 incredible, impressive, passionate, and resilient students in the Class of 2026. We have a student who founded a cardboard boat team, one who was voted Prom King, several who won awards for their marine research, one who is ranked nationally in sailing, several who have restored boats, several who were named Eagle Scouts, several who have won citizenship and congressional awards, several who are valedictorians and student body presidents, one who has founded a non-profit organization, several who have served as president of multiple organizations, several who have opened Etsy shops, one who is a hobby model-builders, several who are proficient in CAD and CNC design, several who have worked at marinas, several who have led their Robotics Teams to worlds, one who holds national leadership positions in the Sea Scouts ...and I can continue

listing their impressive achievements.

Even so, we know that this pandemic has impacted them, regardless of how amazing their achievements are, and we know that the pandemic will continue to impact prospective students for years to come. Given Webb's 146-credit accelerated 4-year program, Webb has always expected students to hit the ground running upon enrolling at Webb; however, the COVID 19 pandemic has interrupted the education of prospective students, some significantly so, making doing so more difficult. Webb already has some initiatives in place, like Webb's Summer Learning Program, which started years prior to the pandemic, but can help to fill some of these educational gaps, and we are continuing to implement additional initiatives to ensure our Webbies can continue being successful and important contributors to the maritime industry and beyond.

Yes, this pandemic has been challenging, but Webb will continue to be creative and innovative and to use Webb's extraordinary learning community in order to attract, yield, inspire, and educate tomorrow's leaders in the maritime industry and beyond!

Admissions Department Welcomes Two New Hires



Alyssa Caliguri
*Assistant Director of
Admissions and Student
Affairs*

Alyssa brings with her nine years of student affairs experience from her tenure at Western New England University, where she received her Bachelor of Arts Degree in Psychology. She also received her Master of Education in Student Personnel Administration while working full time. Her experiences are in new student programming, student success, leadership development, and event planning.

Alyssa has held multiple roles during her time at WNE from the Coordinator of Sophomore Year Experience to Assistant Director of First Year Student Success and most recently the Associate Director of New Student Programs and Leadership Development. She loves to help assist students in having the best possible collegiate experience and is very excited to work with the students at Webb.



Kayla Green
*Assistant Director of
Admissions and Student
Affairs*

Kayla considers herself a student of life, valuing education both in the classroom and beyond. Graduating with a Bachelor of Science in Human Development and a minor in Africana Studies from Binghamton University. Kayla has achieved a solid foundation in the theories and research defining the field of human development.

Kayla constantly seeks opportunities to contribute to the new approaches of advancing human well-being. For optimal well-being, Kayla encourages engaging in activities that develop a person's capabilities and potential, build human capital, facilitate employability, and enhance quality of life and the realization of dreams and aspirations. Kayla is passionate about sharing this insight with anyone who is open minded to new ideas.

Throughout her professional career, Kayla has gained a varied skill set, having experience in different sectors including but not limited to, residential life, project management abroad, the aviation sector, and elementary education. Each experience broadens her perspective in a critical exploration of social, cultural, economic, historical and political frameworks and the ways in which individuals, families and communities are situated within them, developing the understanding and skills needed to enhance and promote diversity, equity, and social justice.



Alumni Spotlight Brian Eisenhower '06

by Brian Eisenhower '06

L-R: Bobby Kleinschmit '06, Michael Eaton '06, Will Hooven '06X, Russell Mead '06X, Andrew Lange '06, Brian Eisenhower '06, Taylor Herinckx '06, Cyrus Lawyer '06, Michael Morabito '05, Stephen Ostendorff (then Director of Student Affairs)

My Webb story begins like many others: as a high school student, I was interested in math, science, and recreational boats. Specifically, I was fascinated by antique wooden powerboats and the evolution of their hull shapes. I was inspired by naval architects like George F. Crouch, who designed the top speedboats in the 1924 Gold Cup. Mr. Crouch was a Webb alumnus (1901) who returned to teach mathematics (1904-14) and naval architecture (1914-23), also serving as both Resident Manager and Head of the Faculty (1920-23).

I had the good fortune to learn about Webb from my father, an electrical engineer who told me about great engineers who graduated from Webb, including Richard Mulford '61 (dec.). Dreaming of designing wooden or high-speed vessels, I applied, Early Decision, and was thrilled to be accepted.

I enjoyed my time at Webb, thanks to fellow students, faculty, administrators, and staff who made it a special experience. Intercollegiate athletics and the Webb Family Singers (WooFS), led by Dean Emeritus Roger Compton '61 (PG '64) and Jill Compton, provided much-needed study breaks. I marveled at the ingenuity of my teammates in designing and building Phebe Webb, our stitch-and-glue plywood entry for Solar Splash, a solar-electric boating competition in which Webb placed third in 2004, the best-ever finish by a rookie team.

The Webb community was extraordinarily kind in providing valuable learning experiences during winter work terms. Thanks to Peter Van Dyke '60, I worked at the Chesapeake Bay Maritime Museum restoring wooden oystering vessels known as skipjacks, America's last commercial sailing fleet. Jeff Bowles '00, Dean Schleicher '88, and their colleagues at Donald L. Blount and Associates gave me the opportunity to participate in yacht design. Further, Doug Blount of DLBA Robotics, Ltd. generously built a mold and a fiberglass hull for the 2005 Solar Splash competition. When I developed an interest

in maritime law, Bill Birkhead '63 graciously allowed me to spend time at his firm in Norfolk.

If anyone had told me in high school that I would become a litigation attorney, I would have suggested their crystal ball was broken. I did not watch movies or television shows involving lawyers. I did not enjoy reading, writing, or arguing. However, after learning that maritime law is a career option, it occurred to me that having a background in naval architecture and marine engineering would be advantageous.

After graduating from Webb, I proceeded directly to Roger Williams University School of Law, one of only two U.S. schools offering a full program in admiralty and maritime law. On a full-tuition Honors Program scholarship, I earned a Juris Doctor, magna cum laude. I was a member of a team that won the 2009 Judge John R. Brown Admiralty Moot Court Competition, the school's first championship in any major national competition.

Since 2010, I have practiced at Hill Rivkins LLP, primarily handling transportation, insurance, litigation, and arbitration matters. I am a Proctor member of the Maritime Law Association of the United States and currently serve on its Board of Directors and as Vice Chair of the Carriage of Goods Committee. I have stayed involved with SNAME as a member of the Audit Committee and as Chair of the Pension Committee.

The Webb education has proven valuable in technical cases, and Webb alumni have shared their impressive knowledge as expert witnesses. For example, I am grateful to Joe Cuneo '57 for his help with a liquefied gas cargo case and for going to India with me to investigate it.

As Webb has had a profound impact on my life, I have embraced opportunities to give back and spread the word about our beloved alma mater. My deepest gratitude to William H. Webb and all who perpetuate his legacy.

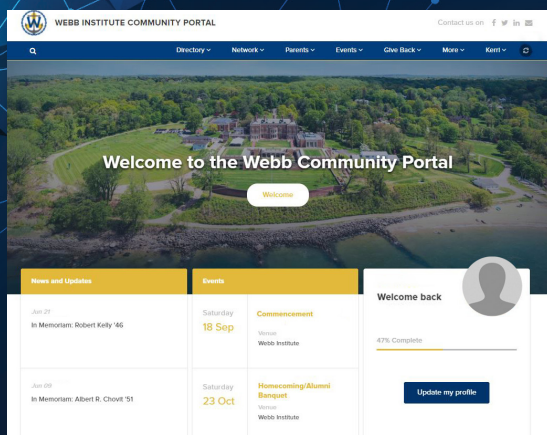
A Trip to the Metropolitan Museum of Art

by Addison Pope '24



On Friday, May 13th, Webb's sophomore class took a class trip to the Metropolitan Museum of Art as a part of the Western Culture II course taught by Professor Richard Harris. This course focuses on realism and impressionism, and there are extensive discussions centered on the likes of Van Gogh and Picasso. In my opinion, visiting the MET greatly enhances the value of the course. A prime example is that in class, various brush stroke techniques between different styles can only be discussed. However, being able to view the true texture and sophistication of many artworks in person combined with our prior knowledge creates a comprehensive learning experience. After spending a few hours at the MET, most of us spent the rest of our day hanging out in the city.

As a part of the course, each student is to recreate a painting or illustration on a 16" x 20" canvas. During the trip to the MET, many of us spent time analyzing various paintings to attempt to become more comfortable with how true artists paint. The hope is that we will be able to do a decent job and create something we can be proud of. Overall, visiting the MET was a great experience that helped my class deepen our understanding of the Western Culture II course and take the time to explore artistic themes.



Stay Connected with the COMMUNITY PORTAL



<https://community.webb.edu>

Discover local Webbies using the interactive map
Mentor current students or fellow alumni
Stay current with the happenings at Webb
Share or Promote local events
Post or Find job opportunities
Share photos

OPEN TO: Webb Alumni
Current Students
Parents of Alumni & Students

QUESTIONS/COMMENTS:

Contact Kyle Koleda at kkoleda@webb.edu

The Class of 2026

MEET THE NEW WEBBIES



14  **STATES**
ARE REPRESENTED

51% from the Northeast, 12% from the Midwest,
18% from the South, and 19% from the West

89% ARE INVOLVED IN
ATHLETICS 

sailing, soccer, track, cross country, basketball, golf, rugby,
swimming, trapshooting, softball, baseball, tennis, crew,
football, lacrosse, fishing, skiing, martial arts, volleyball

81% HAVE SERVED AS A **CAPTAIN, FOUNDER, PRESIDENT,**
TEAM LEAD, SUPERVISOR, OR EDITOR OF A CLUB,
ORGANIZATION, BUSINESS OR ATHLETIC TEAM.

30% INVOLVED IN BOY SCOUTS,
GIRL SCOUTS, VENTURE
CREW, OR SEA SCOUTS

6 NAMED AN EAGLE
SCOUT OR GOLD
AWARD RECIPIENT

1 NAMED
NATIONAL
YEOMAN

25% PARTICIPATED ON
A **ROBOTICS TEAM**

33%  HAVE ALREADY BUILT,
RESTORED OR TINKERED
WITH A **BOAT!**

40% PLAY A MUSICAL
INSTRUMENT 

Guitar, piano, trumpet, drums, ukulele,
bagpipes, clarinet, baritone sax, oboe, Bass



Message from the Dean:

WITH THE SUMMER COMES CHANGE



Matthew R. Werner '95, PG'97

Dean and ABS Chair of Naval Architecture & Marine Engineering

The dust has settled, the class of 2022 has been launched, ready to take what they have learned and experienced over their time at Webb and use it to build successful careers and lives. Simultaneously, the incoming members of Webb's class of 2026 are working on their first Webb assignments in math and grammar while completing the paperwork required for all new students. Faculty members are taking a well-deserved break from campus as they recharge and prepare their courses for the fall semester. It is safe to say that Webb never stops marching forward. This summer two major changes are being finalized for the fall semester, one focused on personnel and the other focused on educational facilities. First, Webb has hired a new faculty member who will be joining us for the fall

semester, and second, we will be finishing the outfitting and opening of the Couch Innovation Lab located in the lower level of the Couch Academic Center. Both changes are critical to the continuing to achieve Webb's mission; "To inspire and educate tomorrow's leaders in an extraordinary learning community focused on engineering and design in the marine field."

Over the last year the Faculty Search Committee has worked diligently identifying and vetting numerous candidates for two open full-time faculty positions at Webb. The committee sought candidates with an educational and professional background, communication abilities, and passion for undergraduate education. The finalists for the open positions were invited to campus during the spring semester to interview with the search committee members, teach classes, and make open lectures to the campus community. Feedback on all the candidates was collected from students, faculty members, and employees. Through the efforts of the Faculty Search Committee, and with the support of President Michel and members of the Board of Trustees' Academic and Student Affairs Committee, Webb selected and hired Dr. Matthew McMahon as an Assistant Professor of Engineering Sciences. Dr. McMahon's educational background, industry experience, research accomplishments, personality, approach to teaching, and ability to communicate with students makes him a great addition to the Webb community. (A full introduction to Dr. McMahon will be provided in a separate communication.) I look forward to seeing him in the classroom this fall semester as he teaches Webb's freshmen Chemistry, and junior Probability and Statistics courses. Dr. McMahon is the first of



The Couch Innovation Lab

two new full-time faculty members that Webb is committed to bringing onboard to augment our existing faculty and take the place of faculty members that recently retired. The Faculty Search Committee will be back at work again this fall semester seeking out Webb's next faculty member.

The Couch Innovation Lab is a 1100 square foot facility located in the lower level of the Couch Academic Center. This lab is designed and outfitted as a facility that encourages and allows students and faculty to build, create, experiment, and innovate as part of a course, a thesis, an independent study, or in pursuit of a personal passion. Outfitting includes workbenches, dedicated project space, 3-D Printers of different types, a CNC milling machine, laser cutter, hand tools, suit of benchtop equipment, and project storage. This summer Professor Royce, Pat Doherty and I staged the lab. Our goal is to have the opening of the space timed with the beginning of the fall semester. Students and faculty members alike have expressed excitement about the new capabilities and possibilities that this new lab brings to Webb's academic program.

Personally, I am looking forward to the amazing things that our community will create. I hope you will have the opportunity to visit the facility and see it in action. It is important to recognize that this great addition to Webb is result of the great generosity and vision of Dr. John C. Couch (Hon.) a member of Webb Institute's Board of Trustees.



The Couch Innovation Lab's New CNC Machine

The Naval Engineering Education Consortium – Webb and the U.S. Navy Working Together

*by Bradley D.M. Golden '99
Assistant Professor of Naval Architecture*



In the fall of 2020, Webb was selected by the Naval Surface Warfare Center, Carderock Division (NSWCCD) to help investigate the stability of surfaced submarines in the longitudinal direction. While a great deal of information is known about the transverse stability of these and other vessels, less information is available about the sensitivity of submarine longitudinal stability, and the Navy was interested in carrying out a research project to learn more.

The work was funded by NAVSEA under their Naval Engineering Education Consortium (NEEC) program. NEEC was established in 2010 to foster a stronger relationship between the Navy and colleges and to promote student participation in engineering research. Led by Professors Golden and Royce, four Webbies (Matt Coogan '24, Alex DeMeo '24, Jim Rodgers '22, and Natalie Webb '23) worked on the project over the summer of 2021 and winter of 2022. Webb's technical point of contact at NAVSEA was Rob Dvorak '07.

The research culminated in a report entitled "Stability

Assessment of Submarines with Varying Length/Diameter Ratios in Both the Intact and Damage Conditions." The team also visited NSWCCD in April to present the results to the Navy and for a tour of the Carderock facilities including the David Taylor Model Basin, the Maneuvering and Seakeeping Basin, and the Underwater Explosive Shock Test Pond.



Front row (L to R): Charlotte George (NSWCCD's STEM and Outreach Program Director), Matt Coogan '24, and Prof. Golden. Back row (left to right): Alex DeMeo '24, Prof. Royce, and Rob Dvorak '07. (U.S. Navy photo by Edwin Hernandez)



Webb Alumni Association Regional Events

by Eric Linsner '70, WAA 6th Member

With a decrease in the number of COVID-19 cases, the Webb Alumni Association (WAA) was anxious to go back to in-person regional events. This year the regional events focused on President Keith Michel's local tour of alumni. A total of 16 regional events were held as part of this "Keith Michel Farewell Tour". These took place in 12 states and one in London, with dates between February and May 2022. This allowed the Webbies on Winter Work to attend some of them. While it made for a hectic travel schedule for Keith, his presentation on the state of the school and accomplishments during his tenure was well received. We hope that this tradition can continue.

The bulk of the organizational work for the regional events was done by the WAA Regional Coordinators, which was greatly appreciated. In regions where there were multiple meetings, other alumni assisted in making the local arrangements. The overall coordination and alumni notification of the events was provided by Webb administration and Gailmarie Sujecki, in particular. They were held in a variety of venues with typically about 20 attendees. In addition, some organizers and alumni made additional contributions. Overall, the meetings provided an opportunity for a cordial interaction among alumni separated in age by 50 years.



San Diego Regional Event



Annapolis Regional Event



Houston Regional Event

Keith Michel's Retirement Reception & Dinner



by Bruce S. Rosenblatt (Hon.)
Chairman of the Board

On May 21, 2022, Webb hosted retiring President Keith Michel's Retirement Reception & Dinner. This sendoff was a fitting tribute for a great Webb President who served the Institute with distinction for nine years. 270 guests in all, including current students, alumni, members of our faculty, administration, and staff, Board of Trustees, friends of Webb, and members of the Michel family, honored our retiring President by attending this memorable occasion. Speakers included current students, the Webb Alumni Association President, our Dean, a Vice Chair and three current and past Board of Trustee Chairmen, all of whom offered fittingly high praises for the former President.

It is still hard to believe that it was almost 9 years since Peggy & Keith Michel came to Glen Cove, and Webb is in a much better place today because of their tireless devotion and dedication. The accomplishments Webb realized during Keith's tenure were many. To mention only a few, he drove Webb's most successful fundraising campaign ever; architected the inspirational Couch Academic Center; and reimagined Stevenson Taylor Hall by retrofitting the old classroom as dormitory rooms. Keith will be the first to point out that these accomplishments were only possible because of the efforts of Webb's Board of Trustees, faculty, administration, and staff, and a host of incredibly generous benefactors, among others.

After the speakers expressed their appreciation for Keith, Keith addressed everyone with a brief, humble and powerful message. This was undoubtedly the

highlight of the evening. In his remarks, Keith focused on the achievements of others and expressed his deepest appreciation to every part of the Webb family.

In Joe Cuneo's remarks, he described Keith as "one of a kind." More fitting words could not have been spoken. Keith has forever raised the bar in what one should expect from a college President. I am grateful to have been given the opportunity to serve as the Chairman of Webb's Board of Trustees during his tenure.



Keith giving his final remarks as President



Retirement Celebration



Keith cutting the celebration cake



Keith's Farewell Tour T-Shirt signed by Webb students, staff, and faculty



Keith Michel with Chairman of the Board, Bruce Roseblatt



(L to R): Joshua Michel, Beth Psyz, Madelyn Michel, Keith Michel



Barney getting attention



Giving Inspired by Milestone Class Anniversaries

*by Anthony Zic
Director of Development*

Webb's family is extraordinarily generous. I'm reminded of this every day, whether it is when passing by the Heritage Society and scholarship displays in the Lenfest Gallery, when thumbing through old Annual Reports, or while walking around Webb's campus and seeing the many dedicated spaces. We are grateful to our benefactors for the hard-earned dollars entrusted to Webb every year as they make a meaningful impact on every aspect of this great institution, none of which are more important than Webb students.

In addition to the much needed and appreciated annual support Webb receives, special initiatives and occasions inspire commitments above and beyond one's annual fund gift. The Campaign for Webb, and more recently, the Keith Michel Scholarship Fund, are shining examples of moments in Webb's history that have inspired remarkable fundraising achievements.

Each year, I turn to a group of Webb's dedicated Class Agents celebrating milestone anniversaries to discuss special giving opportunities. Developed by Webb administration and designed to address Webb needs that are of potential interest as class projects, the list typically includes technology, furniture, and campus beautification projects, in addition to annual mainstays such as faculty offices, STH dormitory rooms, and scholarships. For the 2021-22 giving year, I reached out to the Class Agents for class years ending with 2's and 7's. Once again, Webb benefactors responded in resounding fashion.

The Class of '62 (60th anniversary), led by Class Agent Richard Pomfret, has established an endowed scholarship fund to provide room and board stipends to students with a demonstrated financial need. Members of the class have

contributed over \$37,000 to date and may add to the fund during their lifetimes and through provisions in their estates.

The Class of '67 (55th anniversary), led by Class Agent John Russell, has named a dormitory room in memory of their late classmate, Greg "Tux" Tuxworth. John and classmates have committed \$55,000 for this special occasion. A special plaque commemorating Tux's Room will be placed on the outside of Stevenson Taylor's Hall's Room 213.

The Class of '87 (35th anniversary), led by Class Agent Jay Edgar, has raised over \$21,000 to endow the Commencement award established in memory of their late classmate, Richard Partanen. This award is presented to a graduating Webb Senior who has demonstrated competence in NAME while showing excellence in the humanities.

The Class of '07 (15th anniversary), led by Class Agent Kathleen Minnich, has contributed over \$6,000 for the purchase of a rigid inflatable boat (RIB) and portable outboard motor. This vessel will serve as a rapid response rescue boat and support Webb's student life initiatives and the Summer Engineering Academy (SEA) program.

Congratulations to all Webb classes who celebrated milestone anniversaries this past giving year and a special thanks to the four classes above who mobilized their classmates in support of Webb! I look forward to working with classes ending with 3's and 8's this fall, and I encourage Class Agents to contact me this summer to get a head start on planning or to brainstorm class gift ideas.

Seniors Make the Calls at Thank-A-Thon

*by Gailmarie Sujecki
Exec. Assistant to the President & Director of Alumni Relations*

In September 2021, members of the senior class participated in Webb's annual Thank-A-Thon. They attempted to call over 840 individuals who had made a donation to Webb in 2020-21.

The seniors enjoyed speaking to many alumni, parents,

parents of alumni, trustees, and friends of the school. It was also much easier for them to make calls thanking people for their gifts, instead of asking people for a gift, as they did during their first year. Many were surprised to get a call of 'thanks' instead of a 'plea' for a gift or pledge.

Another Successful Phonathon

*by Gailmarie Sujecki
Exec. Assistant to the President & Director of Alumni Relations*

In March/April 2022, 26 of our first-year students secured pledges that totaled \$170,000 from 119 individuals.

As an added incentive, we awarded a gift card to the following students who either secured the largest number of pledges, the highest dollar amount in pledges, or the

largest number of credit card gifts.

Those receiving a gift card include: David Sir, Anna Lindberg, Eli Murray, Abigail Price, Jeffrey Basti, Thomas Motyka, Ella Wilson, Rayne Duff, and Hendrix Lovett.



L to R: Phoebe Garrett '25, John Feleciano III '25, Abigail Price '25, Hendrix Lovett '25, Lauren Kirk '25, Casimir Lesiewicz '25

Webbies Win U.S. Department of Energy's Marine Energy Collegiate Competition

by Juliette Lehman '22

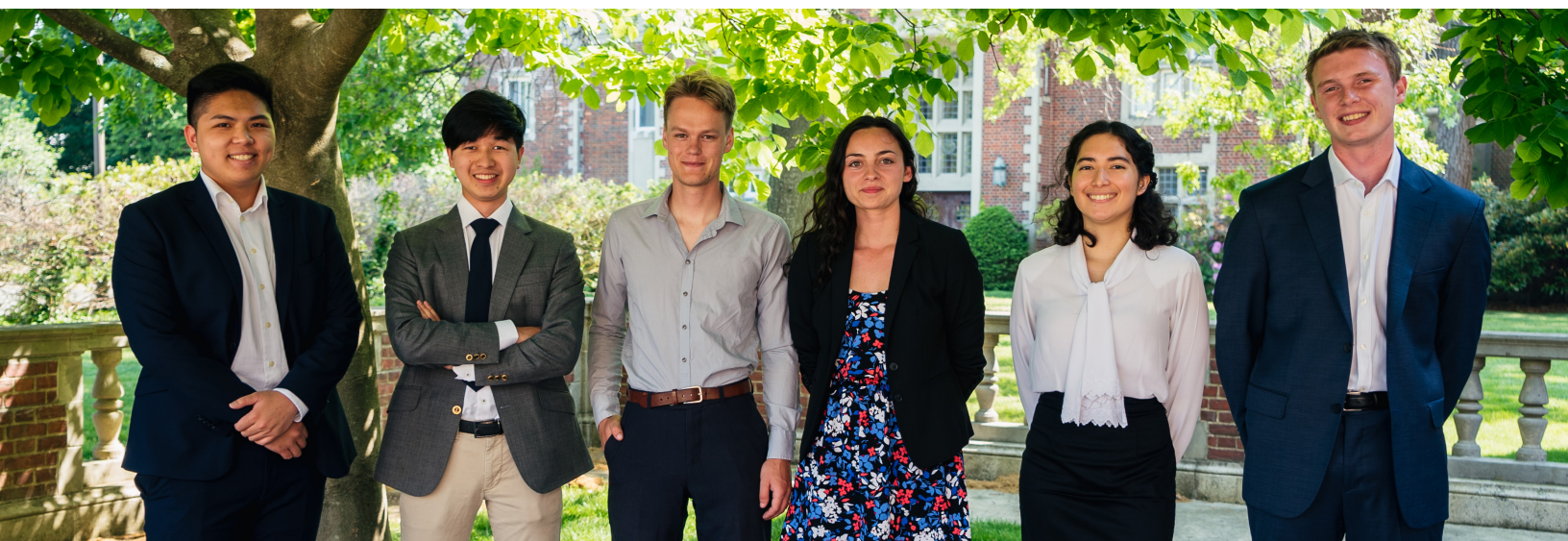


Webb Institute was a first time competitor in the U.S. Department of Energy's Marine Energy Collegiate Competition (MECC), which is hosted by the National Renewable Energy Laboratory (NREL). The MECC requires participating teams to complete a technical design, business plan, and financial analysis of a particular marine energy solution. Teams are also required to participate in various forms of community outreach to increase understanding and interest of marine energy.

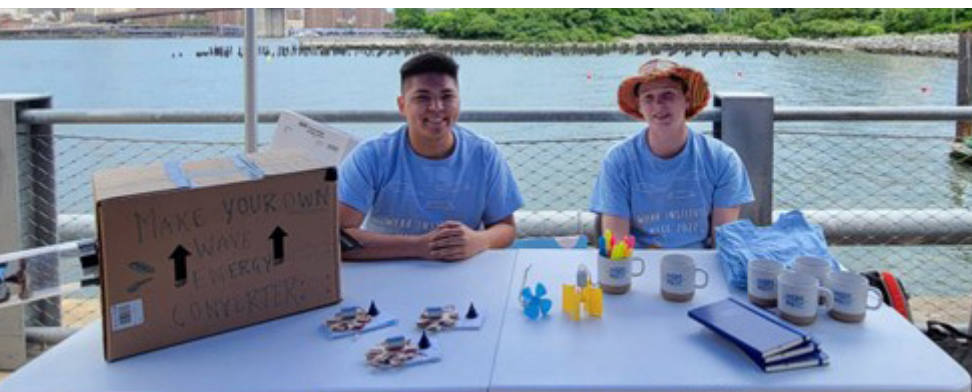
The Webb MECC team also completed the optional Build and Test portion of the competition. The team was comprised of seven students: Juliette Lehman '22, Sasha Kritsuk '22, Luke Kiely '22, Minh Tran '22, Adriana Torres-Rodriguez '23, Si Cong Chen '23, and Rebecca Ashmore '25, and was advised by Professors Michael Martin and Richard Royce.

The team submitted their report, "An Oscillating Water Column Wave Energy Converter for Small-Scale Disaster Relief" along with a poster and presentation of the research. This research was then presented to a panel of industry professionals.

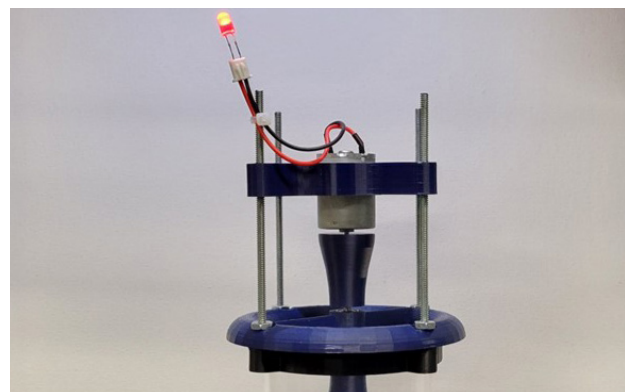
The Build and Test portion of the project was taken from Juliette Lehman '22 and Sasha Kritsuk's '22 thesis, *The Design, Construction, and Testing of an Oscillating Water Column Wave Energy Converter*. Financial analyses were performed based on Luke Kiely's '22 thesis, *A Feasibility Study of the Installation and Operation of a Floating Offshore Windfarm in the United States*. The focus of the technical design was to create a simple, cost-effective oscillating water column that could generate enough power to operate an ambulatory health-care facility and desalination plant. The business plan targeted areas that



L-R: Minh Tran '22, Si Cong Chen '23, Sasha Kritsuk '22, Juliette Lehman '22, Adrianna Torres-Rodriguez '23, Luke Kiely '22



Minh Tran '22 and Luke Kiely '22 at Brooklyn Boatworks Launch Day



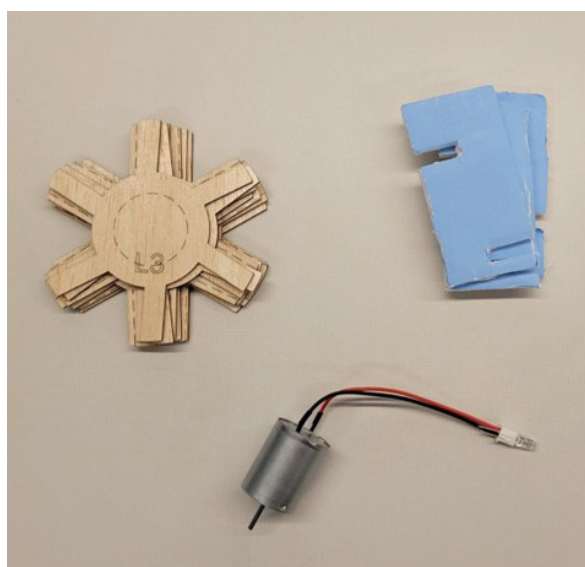
Juliette Lehman '22 and Sasha Kritsuk '22 Thesis Construction

are particularly susceptible to frequent natural disasters.

For its community engagement, the Webb team worked hard to create educational materials and kits for young students, host and attend community events, and interact with industry professionals. Professor Bradley Golden connected the team with the Girl Scouts of America, who visited Webb to learn about wave energy and build their own model oscillating water column! The team also attended the Brooklyn Boatworks Launch Day, where students also built and interacted with their own wave energy converters. Adriana Torres-Rodriguez '23 and Si Cong Chen '23 attended Water Power Week to gain an understanding of the elements important to creating a business model for wave energy converters.

The team was excited to receive awards for both Best Outreach and Community Engagement and First Place Overall. While the team was thrilled to perform so well in its first year of competing, there was also much to learn from this first year. This competition not only provided resources and funding for research but was also a wonderful opportunity for Webb Institute to form an inter-class team of students. This year's team is excited to hear that another Webb team has been approved for next year's competition and we wish them the best of luck!

More information about the team can be found on webbmecc.wordpress.com!



Webb MECC Kit Materials



Sasha Kritsuk '22 and Luke Kiely '22 with the Girl Scouts of America



2022 Junior Ship Design Highlights

by Bradley D.M. Golden '99
Assistant Professor of Naval Architecture

What do an expedition cruise ship, minesweeping countermeasure mothership, oceanographic research vessel, salvage tug, seismic survey vessel, and wind farm support vessel have in common? No, this isn't the start of a bad naval architecture joke, but is rather what the Junior class worked on in their spring semester ship design class.

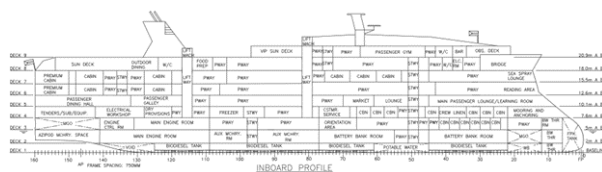
One of the highlights of the Webb curriculum, six groups of four students each spent most of the spring semester developing concept designs for these very different vessel types. After spending their first two and half years learning the building blocks of naval architecture and marine engineering including stability, structures, resistance, and propulsion, the Class of 2023 was given the opportunity to apply what they've learned into designs that were largely driven by their own inspiration.

Each group started the semester with a design statement

which outlined the objectives of their vessel and listed a number of requirements that had to be met. Through weekly lectures, assignments, and design meetings, the groups developed general arrangements, prepared hull models, drew lines plans and midship sections, calculated weights, centers of gravity, and stability, and selected machinery and propulsion systems. They were assisted not only by the Webb faculty but also by a team of industry mentors who volunteered their time and expertise.

On May 19, the groups presented their designs to a panel of industry evaluators, invited guests, students, and faculty. While all the designs were well thought-out and presented very professionally, the two highlighted on the next page represent sound engineering approaches and unique solutions to the challenges the design groups faced.

Images of Other Four Designs



M/V Steve Irwin
Expedition Cruise Ship



Tug Life
Salvage Tug

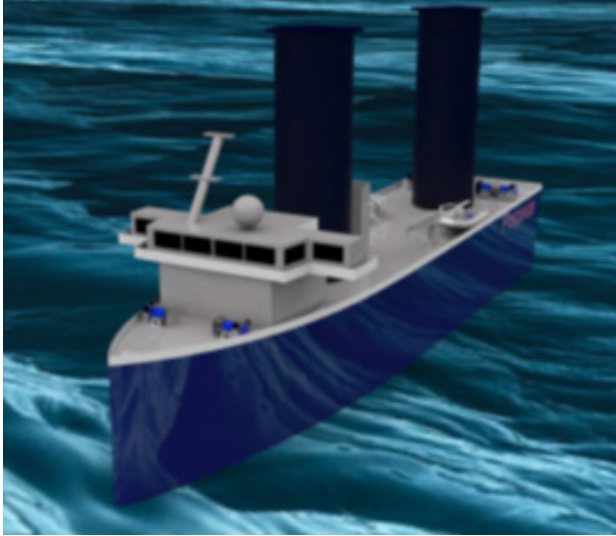


SOV Atlas
Wind Farm Support Vessel



R/V Coelacanth
Oceanographic Research Vessel

Seismic Survey Vessel – Porpoise



Designed for the Western European Biology and Biodiversity (WEBB) Institute, the seismic survey vessel Porpoise will study the formation of rocks, oceanographic trenches, and other subsea geology that could affect the lives of humans and the marine environment.

Seismic images will be acquired by generating a signal using a compressed air energy source and detected/recorded with a series of hydrophones streamed by the vessel. The ultimate goal is to create 2D line and 3D volume data that adequately samples the geology being mapped.

These efforts will also be supported by a series of additional survey/mapping equipment including single- and multi-beam sonars, magnetometers, and water samplers. The vessel is to have an operational endurance of at least 30 days at sea, capable of covering up to 4,000 nautical miles within European and adjacent waters.

Minesweeping Countermeasure Mothership – U.S.S. MINEsota

The U.S. Navy is developing a new method of handling in-water mine countermeasure operations with the use of Mine Countermeasure Units – Remote/Autonomous (MCU-RAs). These small surface vehicles will be able to cover a larger area in a shorter time than traditional minesweepers, with the added benefit of minimizing the risk of injury to personnel and damage to larger naval assets.

A new class of Minesweeping Countermeasure Motherships (MCMs) have been designed to provide a platform for the deployment, operation, recovery, and maintenance of a fleet of up to 30 independent MCU-RAs. The capability to operate worldwide, including polar regions, will be necessary, as will the ability to operate in littoral waters. The vessel is to offer a stable platform to carry out its mission and also maintain its own self-defense capability.





Setting Sail

by Anna Lindberg '25

The first time I saw Webb Institute, it was from the deck of a sailboat. Having found out that I was a sailor, the offshore team had invited me to come and race with them a few days before orientation started. As I had applied during the pandemic, I'd never seen Webb before I flew out for the start of the semester. I clearly remember the welcoming atmosphere on the boat when they pointed out the building to me; I already felt like a part of the Webb family.

Throughout the fall, I kept up my involvement on the offshore sailing team. Our constant practices and weekend regattas allowed me to steadily improve my skills. As we finished our sailing for the semester, we began to talk about doing some larger races in the spring. For the moment, though, we had to take a hiatus for Winter Work. I worked in San Diego at Marine Group Boatworks with two of my classmates. There, we interned with the mechanics and helped them with their day-to-day tasks around the shipyard. We were taught how to connect a gearbox to an engine, balance and polish a propeller, and drive a forklift. One of the major benefits of Marine Group was that it was a repair and refit yard—because of this, we were exposed to many different types of vessels, including superyachts, Navy ships, and tugboats. Outside of work, we explored the city and learned to heavily appreciate authentic Mexican food.

Having greatly enjoyed my experience in San Diego, I returned to Webb excited to learn more about the engines I had worked on over Winter Work. One of our first labs in Introduction to Marine Engineering was disassembling a one-cylinder engine and putting it back together. It was a rich learning experience to make hands-on connections to what we had previously learned in class and to what we had only talked about with our mechanics over Winter Work.

When spring finally came around, I was more than ready to start sailing again. This time, though, I wanted to participate in dinghy as well as offshore sailing. Earlier

in the year, the dinghy team's efforts had put them in a position to qualify for Nationals for the first time since 1976. After sailing a few regattas with them, I was invited to join them in New Orleans as an alternate crew. Although I was probably the least qualified sailor at the event, Webb's small size meant I was able to sail two sets of races and make some lasting memories.

After Nationals, I came back to Webb excited to continue offshore sailing and train for longer and harder regattas. Last weekend, we sailed the Block Island Race on *Desperado*, a modified J-120. This was my first true overnight offshore experience—despite high winds and a ton of rain, we finished first in class, and I loved every minute. As I end my first year at Webb, I'm preparing to take my final exams early to sail the Newport-Bermuda Race on the same boat. A year ago, I never thought I'd have the opportunity to sail this regatta. I'm so grateful to Webb for facilitating these experiences, and I look forward to many more in the future. Considering I'd like to spend my career designing racing sailboats, I'll need all the experience I can get.



During Winter Work Term

Webb's Summer Engineering Academy Returns for 2022

*by Dean Matthew R. Werner '95, PG'97
Dean and ABS Chair of Naval Architecture & Marine Engineering*



After a two-year hiatus resulting from the COVID-19 pandemic, Webb's Summer Engineering Academy (SEA) restarted for the summer 2022. This year's single two-week session hosted a full complement of twenty-four high school age participants and immersed them in engineering through lectures, design-build projects, competitions, and more. Professor Golden took the lead on this year's program which included a variety of new design-build-test exercises and a field trip to visit FDNY fireboats at the Brooklyn Navy Yard and a walk over the Brooklyn Bridge. As is tradition, the program ended with participant teams competing in the Long Island Sound

with boats that they designed and built as family members watched and cheered them on. The overall program was a great success despite the hot and humid weather conditions and a few sunk boats.

Registration for the SEA 2023 will begin after the new year. Information and registration materials will be posted on webb.edu. The limited number of spots are sure to fill up fast, so spread the word to any potential participants.



This year's group of SEA Students led by Bradley D.M. Golden '99



Visiting the FDNY fleet during their fieldtrip to the Brooklyn Navy Yard



Students prepared for the regatta on Webb's Beach



William Selkirk



Kenneth Fisher '64 2020 W. Selkirk Owen Award

Although the presentation was delayed due to Covid, the Webb Alumni Association presented the fifty-fifth William Selkirk Owen Award to Kenneth W. Fisher during Homecoming 2022.

Ken is President of Fisher Maritime Consulting Group, providing consulting, arbitration, and expert witness services to the maritime and offshore industries.

He was awarded the Chaffee Memorial Prize upon graduation. Through his company Fisher Maritime, he established the Dunderberg Scholarship at Webb.

Dr. Fisher is a member of Webb's Heritage Society. He has graduate degrees from the University of Michigan and a Ph.D. in engineering economics from the University of Sydney. After teaching at universities in the U.S. and Australia, he headed the management sciences division at McMullen Associates before founding Fisher Maritime in 1976.

Ken continues to enjoy his career and vows to never retire as consulting project manager, expert witness and arbitrator for shipyard project disputes. Since creating the program in 1988, Ken has made over 470 presentations of his highly regarded three-day professional development program entitled "Contract Management for Ship Construction Repair and Design." Until the pandemic, he was presenting the program 15-18 times a year for commercial, shipyard, naval, and governmental organizations worldwide. He now uses video

presentations. He has written several books and many papers published by SNAME, RINA, and others. His most recent book published in 2020 is unique in the industry: "Shipyard Projects: Planning and Management."

Ken and his wife, Susan Davis, have three sons, a daughter, their spouses, two granddaughters and two grandsons, most of whom live near his home in New Hampshire. Between professional assignments, he makes custom furniture in his woodshop for family.

The Webb Alumni Association was pleased to honor Kenneth W. Fisher for his outstanding achievements and service to his profession and his Alma Mater.



Kenneth Fisher '64 virtually accepting his award from WAA President Ted Dickenson '92 during Homecoming



William Selkirk Owen Award

David R. Pedrick '70 2021 W. Selkirk Owen Award



The Webb Alumni Association was pleased to present the fifty-sixth William Selkirk Owen Award to David R. Pedrick at Homecoming/Alumni Banquet on Saturday, October 23, 2021 at Webb.

As a young sailor, David aspired to become a ship designer to complement his avocation in sailing yacht design. Webb was a high goal, and he felt very privileged to have been accepted. Capping off the four rigorous years that followed, he stepped outside of Webb's ship-oriented culture to earn the Lewis Nixon Memorial Prize for best thesis at graduation, in which he explored the rough water performance of sailing yachts.

The Webb network opened the way to a senior-year internship at the world's leading yacht design firm of Sparkman & Stephens, prompting an offer to begin his career there. He rose quickly to lead the firm's prominent racing projects, including the America's Cup winner *Courageous* in 1974 and an innovative, 80-foot "Maxi" ocean racer that became the World Ocean Racing Champion from 1975-77.

After establishing Pedrick Yacht Designs in Newport, RI in 1977, successes in the America's Cup and Maxis continued. He was a principal designer of the 1987 Cup winner *Stars & Stripes* '87 in Australia, and several more Maxi racers were among the top in their Class. From 1985-1996, two of his Maxis held all three course records

in ocean racing's triple crown of the Newport-Bermuda, Sydney-Hobart and Fastnet Races.

David enjoyed a diverse clientele. He has been a leader in classic yacht restorations and neo-classic new-builds since 1997, when a beautiful, custom neo-classic design was named international sailing's Superyacht of the Year. In high-tech, his CFD-based winged-keel designs have sped up several former America's Cup contenders in the Twelve Metre Class. He has worked on more "Twelves" than any other yacht designer in the Class's 115-year history.

He was a founding trustee of the International Yacht Restoration School (IYRS) in Newport in 1993 and served later as Board Chair. As an early leader in Sail Newport – the nation's model community sailing program – he helped grow the organization as a Board member and President in the mid 1990's. He was elected as a SNAME Fellow in 2006, and in 2018, became the first person in the recreational marine industry to be inducted into the Rhode Island Design Hall of Fame.

David thanks fellow Webbies who have helped him throughout his career. He continues to enjoy his practice as an artist-engineer in the sailing world, and, with this Award, especially appreciates that the Alumni Association thinks he has put his Webb education to good use.

Athletics

Dinghy Sailing

by Pat Doherty
Director of Athletics



On 5/18/22, the seven Webbies pictured below set sail for the Southern Yacht Club in New Orleans, LA to compete in the 2022 ICSA College Sailing Dinghy National Championships.

Their first accomplishment was qualifying for and being invited to the National Championships. Throughout the Fall of 2021 and the Spring of 2022 they competed exceptionally within MAISA and were rewarded with an ICSA bid to the National Championships. The last Webb dinghy sailing team to do so was back in 1976, nearly 50 years ago! They sailed well for two long hard days in the Semifinals and fell just one point short of moving on to the finals.

I ask you all to look at the graduation years below for each of your fellow students and think about what the future holds for Webb and your sailing team. It is not an easy task to combine the challenging academic demands of Webb with the dedication to be successful on the water. Please take every opportunity you can to congratulate these “Magnificent 7” and to all of those who also helped the team throughout the year.

The Webb way: WORK very hard and PLAY hard! The team looks forward to 2023 and beyond.

Congratulations!



(L to R: Lauren Kirk '25, Kadi Zheng '24, Anna Lindberg '25, Rayne Duff '25, Evan Spalding '24, Kenna Reed '24, Payne Donaldson '24)

Soccer

by Kyle Koleda
Interim Director of Media Relations & Communications
& Soccer Coach



Students were ready to take to the field this year at the start of yet another Webb soccer season. Having the previous year cancelled due to COVID, Webbies were excited to get on their cleats and start practicing again. With a range of skillsets on the team, practices usually consisted of basic dribbling/kicking coordination, along

with more advanced team drills with a faster pace and higher complexity of movements.

Webbies are looking forward to the next season where we have a full schedule of games lined up; one away and five home.

Basketball

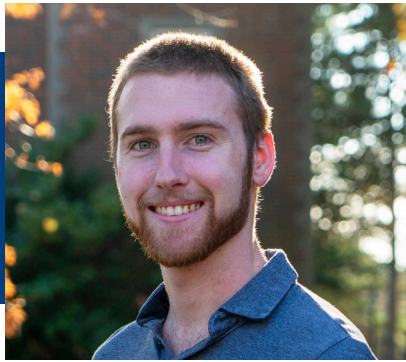
by Kyle Koleda
Interim Director of Media Relations & Communications
& Assistant Basketball Coach



After a yearlong hiatus due to COVID, the Webb basketball team stormed the court with excitement for the start of a new season. With a schedule of games lined up, students and coaches took to the gym after classes to practice both their personal and team based skills. Head Coach Professor Richard Harris led the team on a variety of drills from basic shooting to more complex passing,

while Assistant Coach Kyle Koleda was often on the court helping guide players on a 1 on 1 basis.

The team looks forward to next season where they strive for that elusive win in one (if not all!) of their eight scheduled games.



Message from the S.O. President: A Year In Review

by Jacob Dillistin '23

If I had to sum up this year at Webb, it would be a push towards a new normal. COVID-19 has left a significant mark on Webb just as it has in the world outside of Webb. Together we worked to bring back the pre-COVID Webb that we all love and hold dear while also adapting to the reality of living in a post-COVID (or almost post-COVID) world.

In the 2021 fall semester, we welcomed a new class full of bright minds. Most of these students had never stepped foot on campus until they were moving into their new home during their Orientation Week. While they were still getting to know each other, they faced the challenge of the freshman boat project. Each team worked many hours to complete their boats and raced them around the Webb beach during Family Weekend, and it was great fun for everyone involved.

The first few days of classes were remote so that everyone could be sure that we didn't have COVID, then we were off to the races in person! It was wonderful to be able to attend classes and interact with our professors in person from the start this year, and we did our best to keep it

that way. There were a few times where COVID made its way onto campus, but through the determination of both administration and the students we were able to quarantine and rid the campus of the virus.

Winter Work this year was a great time with Webbies travelling far and wide. After a few years of difficulty, many of the sophomores were able to get to sea aboard Stolt ships. The freshmen were sent off to various shipyards from the East Coast to the West Coast and came back to Webb with wonderful, and many times, colorful stories to tell. All of this could not be done without the help of the alumni network that provided most of these internships.

Webb athletics were back this year with sailing experiencing huge success. Basketball and soccer were also able to welcome intercollegiate games back to campus, and the students enjoyed their time on the court and field. Many other sports like volleyball, tennis, and the yearly tradition of the Dalai (floor hockey) tournament were a huge success among the students.



Freshman Orientation BBQ.



L to R: Liam Keady '22, Toni-Marie Gossage '22, Chris Hamilton '22, Kevin Becker '22 and Hailley at the end of their last home basketball game

Webbies also showed their eagerness to give back to the community by participating in events like Founder's Day. Projects included maintenance around the yacht club, installing rubber mats in the weight room, weeding, and painting murals around campus. Gabriel Allen '23 also led a fundraiser to support Ukraine by auctioning off art and other hand-crafted projects created by the students.

I would like to congratulate the next Student Organization president, Jack Otto '24, as well as the rest of the elected student leadership. You are an awesome group which is sure to have great success making Webb a little bit better next year. No one can know what the next



Gabriel Allen '23 helping Wombi Rose '09 at the Silent Auction

year will bring, but I look forward to the work you will accomplish in the next year.



Lorenzo Pensabene '23 & Tori Kim '23 during their Winter Work Term



Sustained Dialogue

by Ioana Mirica '22

Sustained Dialogue is a student-initiated program that allows Webbies to talk about sensitive topics such as race, gender, and mental health in a manner that is constructive and action-oriented. The primary purpose of the club is to make Webb a little bit better than when the students first found it.

The program is modeled based on existing intergroup dialogue formats, mainly those created by the Sustained Dialogue Institute, Michigan State, and University of Michigan. Group sessions are guided by facilitators, dedicated students who ensure that the hour-long conversations stay on course and are constructive. This year the club met weekly, although the Webb schedule sometimes got in the way of that. Applicable readings, informational videos, and reflection pieces are assigned as necessary.

Sustained Dialogue sessions have led to noticeable changes in the Webb culture such as the election of a student Diversity Equity and Inclusion (DEI) representative to the Top 7 and the increased visibility of minority clubs at Webb. Some of the proposed initiatives for this semester specifically include creating a more welcoming environment for women at Webb by revamping the Title IX training modules and increasing the Culture Club funding.

Students have stated that Sustained Dialogue sessions have improved their level of confidence when discussing emotionally charged topics and provided them with communication skills they could employ outside of Sustained Dialogue.

Campus News



SOCO: A Year in Review

by Toni-Marie Gossage '22, Kasey Kennedy '23, & Phoebe Garrett '25

Students came back to campus in August of 2021 excited to be able to have a “normal” school year again. The fall semester began with a few precautions to ensure that campus was COVID-19 free before beginning with in-person classes and school-wide events. After precautionary measures were lifted, the Social Committee hosted numerous yacht club socials to be able to enjoy the Long Island Sound, the warm weather, and the beautiful Webb campus.

In October, the freshman class hosted the annual Halloween Party. The party was full of spooky-themed food, music, and included a costume contest where numerous students dressed up as Professor Royce (Diet Coke included).

Fitting with the Halloween theme, SoCo hosted a pumpkin carving contest where each class carved and submitted a pumpkin for Webb’s faculty to judge. This year’s winners were the seniors with their pumpkin submission, S/V Boo-ty.

It was after students came back from Thanksgiving break that a hitch occurred in our “regular” semester plans. COVID-19 made its way onto campus and postponed Casino Night and Christmas Party until the spring semester.

In the spring of 2022, the semester kicked off with a SoCo-sponsored Welcome Back Party where faculty and

staff got the chance to catch up with the students and hear about their Winter Work experiences. Following the Welcome Back Party, the next event was the annual St. Patrick’s Day party hosted by the Junior class. Festivities included a four-leaf clover scavenger hunt, potato bobbing, and potato throwing.

For Pi Day, students participated in a school-wide competition for a SoCo sponsored froyo trip by baking a pie that was judged on its taste, difficulty, and presentation. This year’s winning submission was the “Moon Pi” baked by Juliette, Minh, and Tori.



The Seniors’ S/V Boo-ty and 3D-Printed Pumpkin for this year’s Contest



Zach Doerr '24, Joey LaPlaca '24, and Abner Mills '24 Show Off Their Best Professor Royce Look



Juliette Lehman '22 and Minh Tran '22 with their winning “Moon Pi”

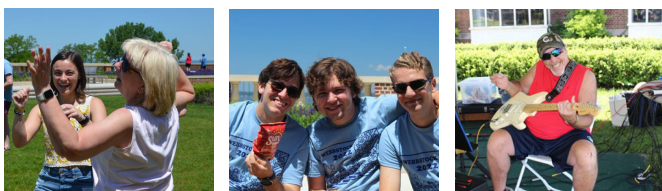


Alumni Enjoying The Webbstock Festivities

On April 2, Santa came to Webb for a beach-themed Christmas Party. Santa brought along plenty of gifts with him: coconut cups for mocktails, inflatable palm tree coolers, and beach balls. Students had the opportunity to make tropical-scented sugar scrub and sand art while listening to the Beach Boys.

At the beginning of May, students attended the annual Cinco De Mayo party hosted by the Sophomore class. Students packed into the Brocket Arms Pub for a build-your-own taco bar, a piñata, drinks, and dancing. On May 14, the Class of 2022 created a casino floor in the Reception Room at Webb. The night included all of the regular activities like arm wrestling, roulette, poker, blackjack, horse racing, and a silent auction. There was a new addition to the night suggested by some of the more nostalgic seniors: a Beyblade tournament.

To continue a fun spring semester, on June 4, for the first time in three years, Webbstock was finally open to guests and alumni! Everyone got to enjoy eating hot dogs and

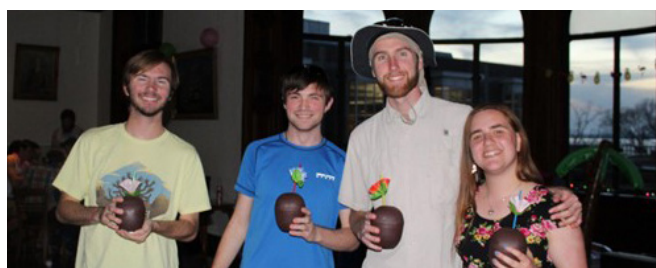


Photos from Webbstock

hamburgers while listening to live music performed by both faculty and students, playing Guitar Hero, getting in on some karaoke, and rotating through the various lawn games. Many students enjoyed racing through the inflatables, which included a 65-foot obstacle course and a double water slide.

On June 10, students dressed up in elegant evening attire to attend a fun-filled Great Gatsby-themed night. The night began with a wonderful dinner prepared by Chef Nick and his crew that included filet mignon, homemade

crab cakes, and hand-dipped chocolate strawberries. After dinner, students opened their bottles of champagne to a beautiful sunset. Students also played croquet and listened to Max Mah '24 who was the musical entertainment for the evening.



Hendrix Lovett '25, Alex Resio '23, Jacob Dillistin '23, and Ashley Farrell '25 Show Off Their Beach-Themed Christmas Attire

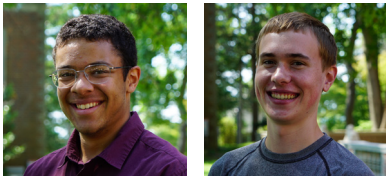


Gabriel Allen '23 and Max Mah '24 During The Arm Wrestling Tournament



The Women of Webb Posing For A Picture At Casino Night

Campus News



Anchor Club

by Gabriel Allen '23 & Kyle Murphy '23

"A new commandment I give to you, that you love one another: just as I have loved you, you also are to love one another. By this all people will know that you are my disciples, if you have love for one another." John 13:34-35.

This semester we have been reminded of the importance of loving and encouraging one another while we follow Christ. At Anchor Club we aim to be a place where you need not be someone or do something but rather can hear and talk about what Christ has done for you. We meet two times a week for bible study and worship. We also aim to hold one to two outreach events each semester. These

have included two pizza nights and a dessert night with discussion topics including the sacrifice Christ made for all, stress, and reading the Bible. It has been a joy this year to get to know some of the new freshmen and be mutually encouraged by each other's pursuit of Jesus Christ.

We have had opportunities to love our fellow Webbies through our outreach events by sharing the finished work of Christ and what He has done for us.



Leadership Committee

by Adriana Torres-Rodriguez '23 & Victoria Kim '23

Over the course of this year, Webb's Leadership Committee has striven to continue to empower students to be leaders in the Webb community despite the evolving COVID-19 pandemic.

This year, we focused on enriching the Webb community through the freshman mentor-mentee program and two new events: an applicant readiness program and a school-wide field day.

Our mentor-mentee program kickstarted in the 2021 fall semester with an ice cream social. Bonds established with this program were meant to not only ease the freshmen into the Webb community, but to provide lasting support.

This year, we also focused on student leadership in the workforce. To aid students in the internship application and interview process, we held a panel discussion with Webb faculty.

Further, the Leadership Committee held Webb's first-ever field day in the spring 2022. Fun events and prizes were offered to students in the hopes of decompressing and encouraging inter-class mingling.

Although the Leadership Committee decided not to host engineering day this year for COVID-19 related reasons, we hope to continue this tradition in the future. We also hope that the projects from this year can continue for years to come and that students continue to take interest in new activities.



Mentor-mentee Ice Cream Social on Webb's back patio

Founder's Day

by Kyle Koleda
Interim Director of Media Relations & Communications



Founder's Day is always an exciting day on campus as students, staff, and faculty join forces for a common cause - to help make Webb a better place.

Starting the day with our seafarer's chant, teams then dispersed with their tools and supplies all heading in different directions to tackle separate tasks. This year's activities included gardening, painting, and mulching various areas on campus as well as cleaning/buffing the Whalers, planting a tree by the Peggy Gazebo, and

removing the old BBQ by the boathouse in lieu of a new one soon to be constructed.

Trustee David Bovet '70 came to campus as this year's guest speaker and touched upon the vision and building blocks William Webb established when creating the Institute. Seeing as this is now a mission of many, Bovet noted the shift from "William Webb the man" to "William Webb the community."



John Feleciano III '25 helping polish one of Webb's Boston Whalers



Weeding the Boysie Bollinger Courtyard



Deconstructing the BBQ at the Yacht Club



Webbies in the midst of a beach cleanup



Painting a mural outside the Pub

Newport Be

Aboard the *Desperado* by Abner Mills '24

My Experience on *Desperado* for the Newport to Bermuda Race was very different from Zach's on Groupe 5. We sailed with 12 people with a set of 3 watch groups and a Navigator that was separate from the watch system.

On a distance race like N2B, it's very common that you will spend time in every role at one point or another. I am usually a bowman, and I very much did take part in the majority of the sail changes but I also spent a lot of time trimming sails and driving the boat. The first day of the race was miserable weather, it was very lumpy seas and loads of rain which tested my stomach for sure. The following day leading up to the gulf stream had high winds and decent waves for surfing. We were seeing boat speeds in the high teens very often and I believe our max boat speed was 23kts. We had to gybe out before the gulf stream to avoid the adverse current but after a few hours, we were heading to Bermuda again.

On the morning of our last day, the breeze started to die down and the rest of our race was a bit slower. We finally got in after an elapsed time of 73 hours 51 minutes and 22 seconds. Zach may have a better telling of the conditions than I, he is better at remembering those details, also they were in relatively close proximity for a good majority of the race.



Webb students, alumni, and professor prepared to set sail



Professor Royce taking the helm

Sailing Background



Abner Mills '24

- Offshore Team Co-Captain along with Zach Doerr.
- I first learned to sail by taking the small boat sailing merit badge at boy scout summer camp.
- In order to continue sailing and learn more, I found a group called the Cayuga Lake Cruising Fleet. I would have to travel an hour and a half one way to be able to sail every weekend. I sailed a Tanzer 25 usually in a mixed fleet of around 5 to 8 other boats. My boat did okay usually.
- Since starting at Webb I have logged over 3500nm.
- Most of my Webb sailing has been on Figaro 2's with my 2nd semester of sophomore year including much more sailing on *Desperado* for races such as Vineyard (Fall semester), AYC Spring Race Series, EDLU, Block Island Race, Newport - Bermuda Race.
- Over the summer between freshman and sophomore year, I stayed on campus with a few others and raced in the Block Island Race Week, Around Long Island Race, and many other races on the Long Island Sound.



Aboard the *Figaro 2* by Zachary Doerr '24

I sailed on a modified Figaro 2 in the Double Handed Division with my coach Vlad Shablinsky. The start for us was amazing conditions. We had a small upwind portion while leaving Newport before it became a tight jib reach in around 18-20 knots of wind from the southwest.

Within two or three hours, however, the wind shut off. At this point, we had fairly large leftover swells making the boat quite miserable to be on. These conditions lasted the rest of the first day. We did a lot of sail changes in the light and fluky conditions as a cold front passed over us.

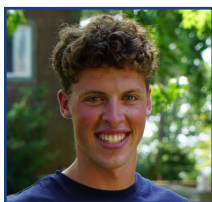
After the front passed in the middle of the first night, the wind began to fill in beautifully from the northwest at 20 knots. We put up our running spinnaker, which we carried for the rest of the race. The waves built and there was a lot of good surfing opportunities. The top boat speeds going down waves was typically 16-20 knots, with a top speed for the race of 21 knots. Throughout the second day, it increased in strength as we approached the Gulf Stream. At the Gulf Stream, we gybed into a southeast moving eddy and stayed with it for most of the second night. We had some serious squalls with winds into the low 30 knot range. We carried our big spinnaker the entire time, and Vlad and I both worked hard that night to keep the boat upright.



Zach Doerr '24 along with coach Vlad Shablinsky

As morning approached, the wind steadied at around 25 knots, and after exiting the Gulf Stream we gybed onto starboard tack again, and decided to sail low, keeping east of the Rhumb line. As the third day went on, the wind began to shift right and eventually to slowly die during the third night. We were lifted nicely to Bermuda and had to throw in just a few gybes within sight of the island. We finished on our fourth day at sea in about 10-12 knots of wind with an elapsed time of 77 hours, 41 minutes, and 22 seconds. We ended up correcting five hours ahead of our nearest competitor in the double handed division and nearly eleven hours ahead of the next boat in our class, taking first place in both class and division.

Sailing Background



Zachary Doerr '24

- Offshore Team Co-Captain along with Abner Mills
- From Butler, PA
- Learned to sail first on my dad's Capri 22, he sold that and bought a Cal 24 which I continued to learn on. I then started sailing sunfish and eventually Hobie 16s as well. I also had some experience with J80s and Flying Scots before Webb. Most sailing was done on a small lake in PA with a little bit of Great Lakes sailing and Chesapeake Bay sailing as well.
- I have done several regattas on the *Figaro 2*s, and have done Around Long Island Race 2021, Vineyard Race 2021, Block Island Race 2022, Newport Bermuda Race 2022, and Bermuda Short Handed Return 2022 on Groupe 5.
- Like AJ, I also stayed on campus last summer.



Thesis Spotlight

A Numerical Investigation of Unsteady Surge Effects in Slender Hulls

by Calder Hartigan '22
Adviser: Professor Adrian Onas

ABSTRACT

The effects of oscillating harmonic surge motions on the resistance of a Wigley hull were investigated numerically using unsteady Reynolds-Averaged Navier Stokes (RANS) CFD simulations in a three-dimensional computational domain. The frequency and amplitude of the surge motions were varied independently in both deep and shallow water. The RANS CFD simulations were validated by comparison with experimental results and unsteady thin-ship resistance predictions. The numerical results show reasonable agreement with experimental data and follow the expected trends across the testing range of surge frequencies and amplitudes; however, further investigation and refinement of the analysis is necessary to indicate whether the RANS approach offers distinct advantages over unsteady thin-ship theory. The effects of the decaying oscillating resistance produced by the acceleration of a ship model in a towing tank were shown to have a significant impact on the wave resistance of a vessel experiencing periodic surge motions, indicating that they must be considered when constructing a numerical analysis.

BACKGROUND AND OBJECTIVE

Rowing shell performance prediction has often relied on extensive simplifications. Steady-speed tests fail to capture the complex effects of the rowing stroke on resistance, and thin-ship theory fails to predict resistance accurately for the high surge frequencies experienced by rowing shells. Dynamic RANS CFD models offer cost benefits over model testing, but little research regarding modeling rowing shell motions in RANS CFD has been published.

The primary objective is to assess the value of RANS CFD for rowing shell performance prediction, particularly focusing on the relationship between surge motions and resistance.

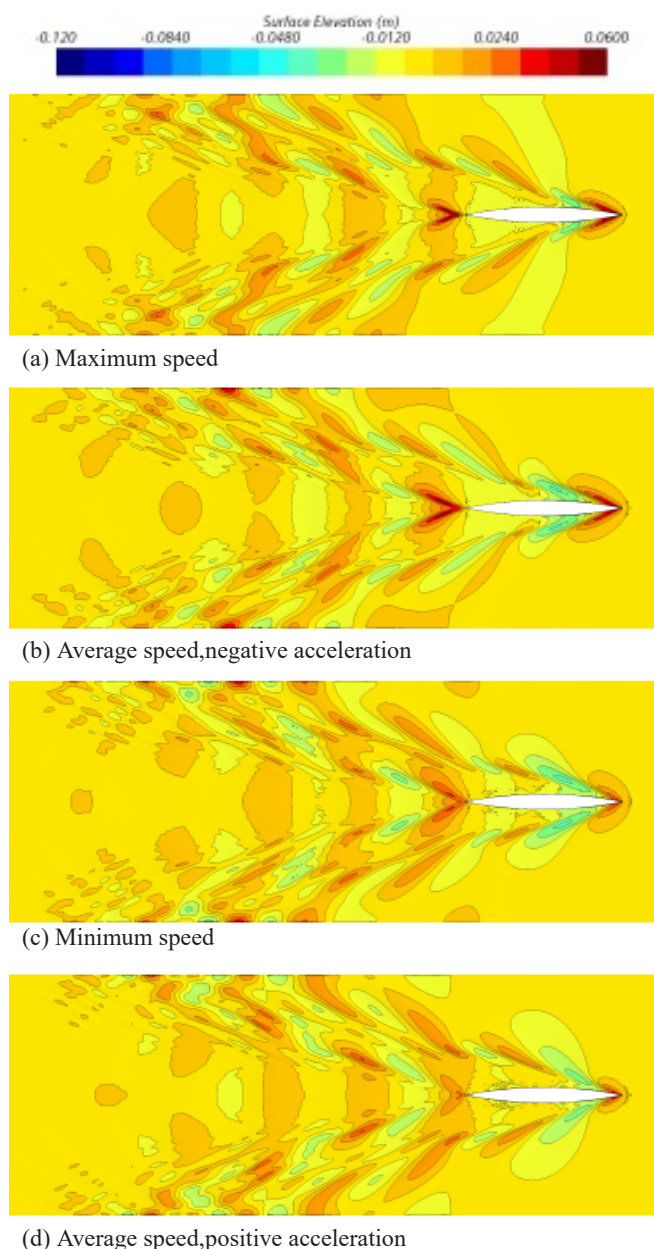


Figure 1. CFD Free Surface Elevations

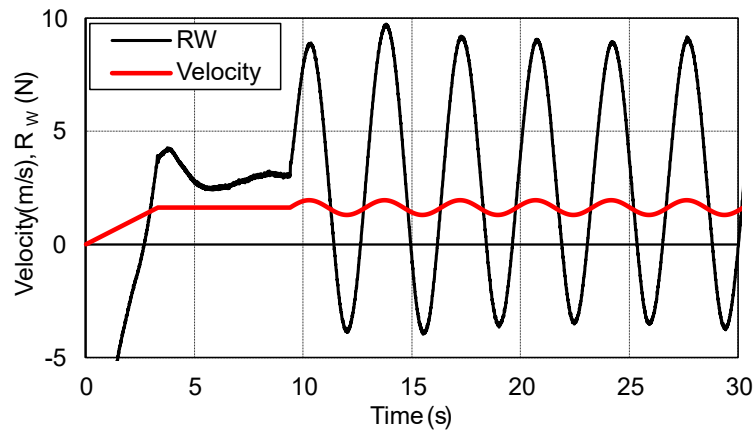


Figure 2. Wigley Hull Velocity and Wave Resistance

PROCEDURE

A Wigley hull was towed with a harmonic surge velocity component (Figure 2) in STAR-CCM+ to act as a simplified model of a rowing shell hull form and surge motions. The CFD setup mirrored the experimental tests of Doctors et al. (2010) to allow for validation of the CFD simulations.

Tests included a range of surge frequencies, surge amplitudes, and water depths. It should be noted that the range of surge frequencies studied are substantially lower than actual rowing conditions. A selection of results is shown in Figure 3.

CONCLUSIONS

The RANS CFD simulations created can predict approximate magnitudes and trends of total resistance. Further refinement and analysis of discrepancies in the CFD setup from the experimental tests is necessary to obtain an order of accuracy comparable to unsteady thin-ship theory.

Thin-ship theory approaches have benefits for low-frequency unsteady problems; however, preliminary tests indicate that the RANS CFD simulations may yield benefits compared to unsteady thin-ship theory for higher surge frequencies representative of rowing conditions. The computational costs of RANS CFD are substantial, but it offers reduced costs and increased testing flexibility compared to tank tests. Future work validating unsteady RANS CFD simulations at surge frequencies representative of actual rowing conditions could lead to significant advances in the understanding of rowing shell hydrodynamics.

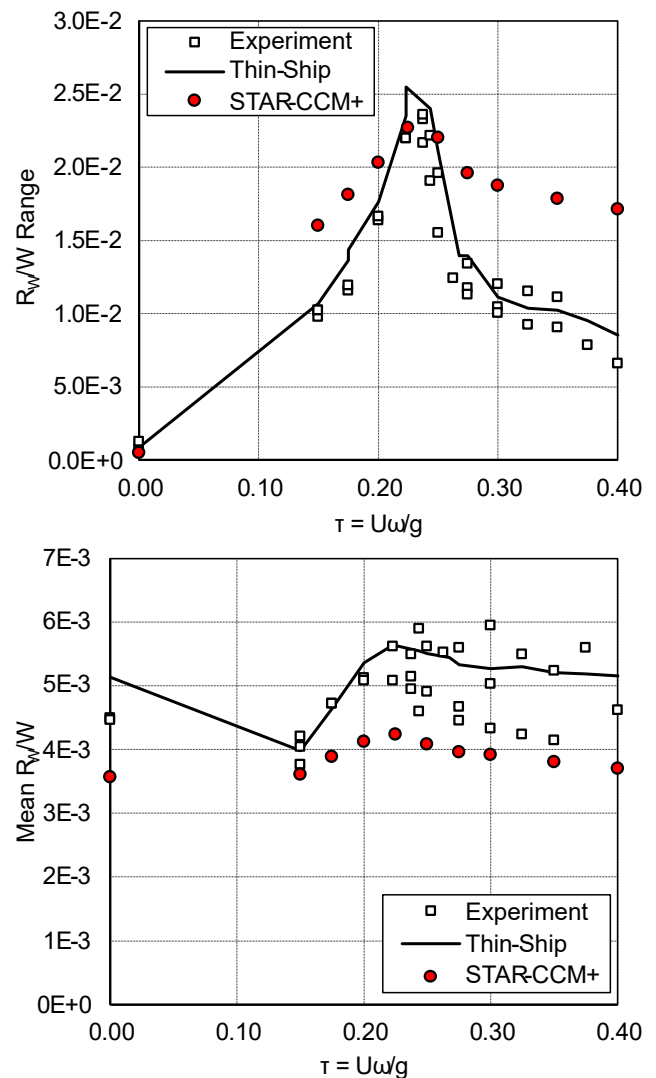


Figure 3. Sample Frequency-Response Results



Campus Improvements

by John Ferrante
Director of Facilities

Over the course of the last academic year, the Facilities Department completed the repurposing of the four Stevenson Taylor Hall classrooms into 20 new dorm rooms. We renovated two Stevenson Taylor Hall west-side bathrooms; created a new mail room, added carbon monoxide detectors to the Stevenson Taylor Hall fire alarm system; renovated the patio tile; installed 435 interior “storm” windows; replaced the carpet in seven offices in the Luckenbach Building; installed two EV charging stations; completed the renovation to the pier and added new fencing and railings (many thanks to MetalShark).

In addition, we also replaced the two steam boilers in Stevenson Taylor Hall along with associated piping, supply

tank and controls, and added a stainless-steel liner to the chimney.

We also repaired the stucco and waterproofed the gym. New lighting was installed in the Cuneo Courtyard and the student parking lot.

The design for renovations to the second floor of Robinson Model Basin has been finished and plans submitted to the local building department for the required permits. Currently there are nine dorm rooms on the second floor which we will be changing to three apartments. The design was done by Kirk Lehman P’22.



Ledwin Velasquez laying the tiles on the back patio



EV charging station behind the gym



One of the old boilers being taken out



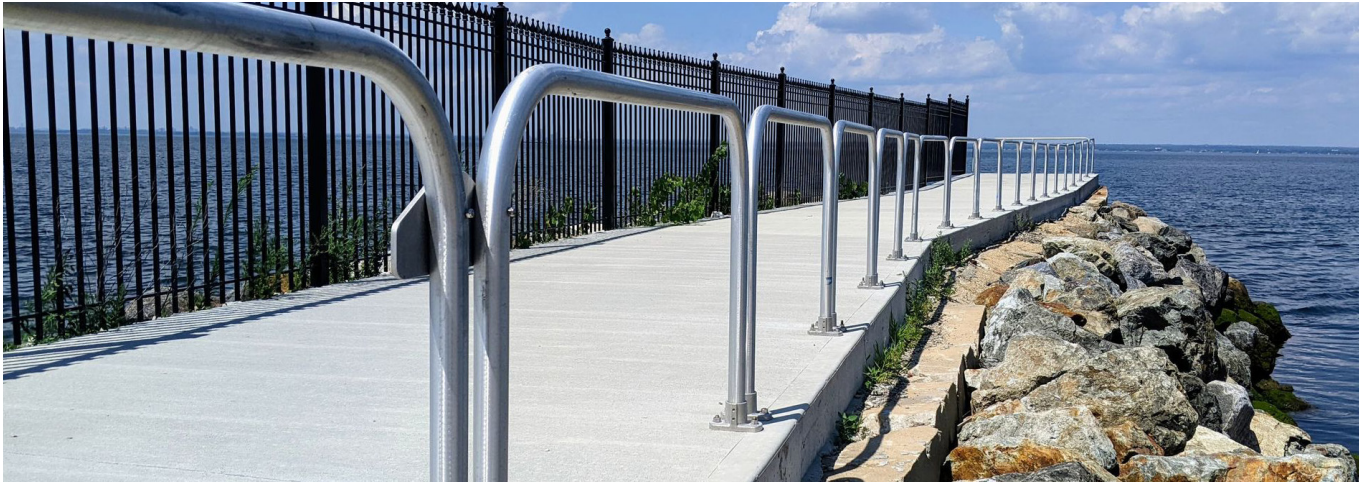
New Boilers awaiting installation



Webb's Pier in the beginning phases of reconstruction



Cement truck carefully drives down the pier



Finished photo of the pier with the new hand rails and fencing provided by Metal Shark



War Room Refresh

by Kevin O'Keefe '22

Before Covid, the War Room was a place that was used to hang out with your classmates, watch movies, or play board games. However, after being sent home for a semester and due to limits on close contact when we returned the following semester, the War Room turned into a storage room.

The revitalization of the War Room started during Founder's Day 2021 when a handful of students sifted through the room and organized it. With Covid restrictions loosened and the reopening of the Brockett Arms Pubs, my class saw the potential in restoring the room to its old glory. During the fall 2021 semester, my class finished cleaning up the room, going so far as to clean the carpets and change out the old ceiling tiles. After this, we worked on painting the room. We looked at many colors and decided on sea reflections. First, we

had to spackle the imperfections in the wall and put on a layer of primer. Then the walls, the pipes, and the doors were all repainted. Using funds from the class gift from 2020, we were able to buy new furniture. From there we used student funds to buy more furniture to bring the room together. These included items such as an entertainment stand, shelves, and lights. Gailmarie was even nice enough to donate a coffee table she wasn't using anymore.

There are still current efforts to further spruce up the room, such as replacing the old wooden boards and hooking up an HVAC system to keep it cool in the warmer months.



Membership in Webb Heritage Society Can Be “A Family Affair”

*by John A. Malone '71
Planned Giving Chairman*

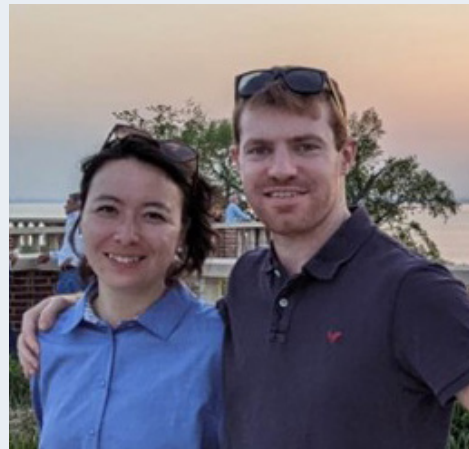
We usually spotlight a single member of the Heritage Society in each issue of Webb News, but for this article, we recognize two families within “The Webb Family” who have multiple generations of Heritage Society members. What better way to support the intergenerational sustainability of Webb’s full-tuition scholarship model and commitment to provide for the full demonstrated need of its students than through multi-generational membership in the Heritage Society, which translates to generations of planned gifts! In developing this article, we

quickly realized that we have many instances of Heritage Society members in the same family, as well as instances of multiple family members within a generation who are members of the Heritage Society. Webb is grateful for their legacy gifts, and we hope that other members of the Webb Family, along with their children, grandchildren, aunts, uncles, nieces, nephews, parents, grandparents and great-grandparents, will be inspired to continue this wonderful trend.

MEET THE GRANGERS



Alison (Trustee, Hon., P’14) & Hal (Hon., P’14) Granger



Rachel Walker (’14) and Sam Granger (’14)

Alison and Hal Granger answer the question: Why are you leaving a bequest to Webb?

“We give to Webb because we love Webb. We cherish the friends we have made as students and volunteers and look forward to returning to campus for events such as the Heritage Society Dinner and Homecoming. We appreciate the value of Webb’s rigorous and unique academic program, the deep connections it maintains with the maritime industry, the opportunities it provides for its graduates, its culture of honor, respect and hard

work, and the importance to society of the training it provides. There is no other place like it. We are pleased that our son Sam and daughter-in-law Rachel have joined us by becoming members of the Heritage Society. We hope that our efforts will help to ensure Webb’s continued success as an institution which provides full-tuition scholarships for each of its students.”

MEET THE DIXONS



Kathy (P'11) and Hampton ('11, Trustee) Dixon

Kathy Dixon writes, "From our very first visit, my late husband Keith and I sensed just how special Webb is. I am grateful for the education and career opportunities Webb has provided Hampton. I support Webb each year so that future Webbies can have the same opportunities. Joining the Heritage Society and making a bequest to Webb was an important commitment to sustain our support."

Her son Hampton adds, "We have all experienced that feeling when first passing through the gates of

Webb. It's a special place, and the feeling doesn't fade with time. Webb offers so much more than an education. It's a family of lifelong friends ready to support you. I joined the Heritage Society to show my commitment to growing Webb and express my gratitude for everything Webb and the Webb family has done for me."

This is the first of a series of articles showcasing families who have multiple members in the Heritage Society. I look forward to bringing you their stories soon.

For information on the many ways to include Webb in your estate plan and become a member of the Heritage Society, and/or to learn more about how individuals 70½ years of age or older can make tax-advantaged contributions to Webb by direct IRA roll-over, visit <http://webbinstitute.plannedgiving.org/webbinstitute/giving/1.html> and/or contact me at webbpgchair@webb.edu, or our Director of Development, Anthony Zic at azic@webb.edu or 516-759-2040.

DATES OF INTEREST

CLASS OF 2026 - MOVE-IN DAY/ ORIENTATION

August 16-21, 2022

CLASSES START

August 22, 2022

FAMILY WEEKEND

September 23-25, 2022

CLASS OF 2023 TO SNAME MARITIME CONVENTION IN HOUSTON, TEXAS

September 27-29, 2022

FALL BREAK

After classes on October 7–
October 10, 2022

CLASS OF 2024 WOMEN TO SWE ANNUAL CONFERENCE, HOUSTON, TX

October 20-22, 2022

FALL RECESS

After classes on November 18–
November 27, 2022

CLASSES END

After classes on December 9, 2022

FINAL EXAMS

December 12-16, 2022

GRADES ISSUED/MOVE OUT DAY

December 19, 2022

WINTER WORK TERM

January 3-February 24, 2023

START OF SPRING SEMESTER

February 27, 2023

ALUMNI HOMECOMING

May 20, 2023

COMMENCEMENT – CLASS OF 2023

June 17, 2023



Professor Richard Harris and the “Harlem Hellfighters”

*by Richard Harris
Assistant Dean, Professor and Coordinator of Humanities*

Professor Richard Harris became interested in the World War I U.S. Army regiment popularly known as the “Harlem Hellfighters” in early 2018 when he discovered that over three dozen members of the regiment came from Glen Cove and nearby towns and that Lt. Richardson Pratt, nephew of Herbert L. Pratt, was one of the unit’s officers.

The African American military unit that became known as the Harlem Hellfighters was originally organized in Brooklyn in 1916 as the 15th New York National Guard. After the United States entered World War I in April 1917, the 15th was redesignated the U.S. Army 369th Infantry Regiment. The regiment arrived in France in January 1918. Because the U.S. military was segregated at this time, the 369th could not fight alongside other American combat soldiers. But the French army was glad to have these men fight with them. The 369th took part in major campaigns throughout 1918, distinguishing themselves as determined and courageous fighting men. It was the Germans, who greatly feared facing them in battle, who dubbed them the “Harlem Hellfighters.” The regiment spent more days in the combat zone than any other American regiment, never lost a foot of ground, and never had a member captured; they were the first American soldiers to reach the Rhine River in November 1918. For their extraordinary service, the 369th was awarded 171 individual Croix de Guerre (the French medal for valor) and a unit citation.

Professor Harris mounted an exhibit at the North Shore Historical Museum in Glen Cove in the fall of 2018 that led to creation of the Harlem Hellfighter Recognition Committee to foster recognition of the unit and the local members who had served in it. The committee proposed that a Congressional Gold Medal be minted in honor of the 369th. A bill supported

principally in the House by Tom Suozzi and in the Senate by Chuck Schumer was approved by Congress and signed by President Biden in September 2021.

In the late fall of 2021 Professor Harris, chair of the project committee, was contacted by the U.S. Office of the Mint and asked to head up the committee that would provide background information and make recommendations for the design of the medal. In the last few months, he has worked principally with the Executive Director of the First Division Museum in Wheaton, IL, and with artists from the U.S. Mint on the design, which is expected to be completed for review later this year.

The Harlem Hellfighter Recognition Project also successfully urged establishment of an annual Glen Cove Day of Recognition for the local members of the 369th and the awarding of the Purple Heart to descendants of local Harlem Hellfighters who were not previously recognized for this medal. For his efforts in these projects, Professor Harris received a Certificate of Special Recognition from the U.S. Congress.



Glen Cove Members of the 15th NYNG unit



Alumni News | In Memoriam



1949

Edgar Dean "Ted" Alderson

passed away on March 3, 2022, in Cary, NC, at the age of 94, with his daughters by his side, after a long struggle with Alzheimer's.

Mr. Alderson grew up in Brookside, NJ. He graduated from Morristown High School, earned a full scholarship to Webb Institute of Naval Architecture, and a commission in the US Navy Reserve, attaining the rank of LTJG.

After graduation from Webb, he joined the General Electric Company and worked in various divisions and programs, including Test Engineering, Aircraft Gas Turbine Division, and jet engine development. From 1955 to 1957 he served on active duty in the Naval Reserve as a project officer at the U.S. Naval Air Turbine Test Station in Trenton, NJ. After his military service, he returned to GE where he directed design and development of jet engine components, systems for VTOL and conventional aircraft, and studies of applications of gas turbines to ships. He was a systems engineer for GE's XV5A fan-in-wing VTOL development program for the U.S. Army Transportation Research Command.

In 1964 he joined the GE Re-Entry and Environmental Systems Division in Philadelphia, PA, where he worked on development of planetary exploration and strategic weapon systems concepts. In 1973 he transferred to the GE Industrial Gas Turbine Division in Schenectady, NY, as manager of advanced development for projects in the High Temperature Turbine Technology Program. He authored numerous technical papers in the fields of jet engines, orbital mechanics, and gas turbines, and held ten patents in the fields of gas turbines and jet engines. He

retired from GE in 1988 and consulted in the field of gas turbines for several years.

Mr. Alderson was a member of the Harmony Corners Volunteer Fire Department, serving as Fire Commissioner for the district for five years. He sang in the Galway United Methodist Church choir and served for 25 years on the church's Finance Committee, eight years as treasurer. He was a member of the Academy for Learning in Retirement (later Academy for Lifelong Learning), leading more than a dozen courses on a variety of subjects, serving on the ALR Third Age Press Editorial Board for over eight years, co-authoring *Ourselves: Then and Now*, and contributing numerous essays, poetry and artwork to the Academy's annual journal, *The Apple Tree*. A member of the Saratoga County Arts Council, he exhibited his paintings, photography, and sculpture locally. He was a member of the Galway Players community theater, sang in barbershop quartets, and was an avid amateur astronomer.

He was pre-deceased by his beloved wife (Blanche) of 52 years and is survived by two daughters.

A memorial service will take place at a later date in Galway, NY. In lieu of flowers, donations may be sent to Webb Institute of Naval Architecture, or the Galway United Methodist Church.

1950

Richard M. Lagner of Woolwich, ME passed away at the age of 94. Dick first came to Maine in his teens as a participant in the Maine Sailing School in Bayside (Northport). He joined the Coast Guard during World War II, then graduated as a naval architect from Webb Institute after which he had another stint in the services, this time in the Navy. His career began with Luders Marine and Sparkman & Stevens, both yacht design firms in NY. But Maine

beckoned, and he took a job with Hyde Windlass Company in Bath and settled with wife, Eleanor Woolwich in 1962. When Hyde was consolidated with Bath Iron Works, he moved to small boatyard management for Hodgdon Bros. in East Boothbay, then returned to BIW upon the sale of the boatyard to a new investor. He rounded out his career designing small boats and large yachts for private clients. He is survived by two sons and a daughter. At his request there will be no memorial services.



PG'51

Professor Larry Ward

passed away in his 96th year in Rocky Hill, CT (formerly of Locust Valley, NY) on January 10, 2022.

He had most recently been treated for aspiration pneumonia.

He was a NA&ME graduate of Michigan (1948); Webb 'Civilian PG' Master's Nautical Engineering {joint program with Stevens Institute} (1951); DSc. Stevens (1962), with a thesis on *Experimental Wave Resistance of Ships* done in the Webb model basin. Highlights include a NSF fellowship year in Germany (1965-66); SNAME paper (1967); Chaired SNAME Hydro Committee. While attending Webb, he completed his thesis in under the direction of Professor Nevitt.

Professor Ward worked at Gibbs & Cox, NYC Hill Scientific (1948-51); special Hydrofoil group (1952-55) and then at Stevens Tank as test and research engineer doing various studies, mostly navy related. He replaced Professor Jensen in 1958 at Webb teaching structures and fluids to both undergraduates and (Navy) postgraduates. He added the Fluids Lab & Flow Channel and lived over the model basin until 1968. He was a Professor at Webb Institute for 32 years



Alumni News In Memoriam

and retired from Webb Institute with recognition as Faculty Emeritus.

He most recently established the Professor Lawrence W. Ward PG'51 Scholarship in September 2021. Professor Ward chaired the Webb Alumni Fund for 24 years. In 1988, he was awarded the William Selkirk Owen Award for service to his alma mater and the marine industry.

He was active on Church Vestry at St. John's of Lattingtown, past Commodore and board member at the Glen Cove Yacht Club, and he also coached and played ice hockey.

Predeceased by Grace 'Skippy' Ward (May 2018), whom he married in 1955. He is survived by his sons, John, and Chris, and daughter, Anne Jauregui (Mauricio).

1953

Arthur C. Sargent passed away on November 27, 2020 at the age of 89. After Webb he earned an M.S. degree in engineering from Stevens Institute of Technology. He was a registered Professional Engineer and a member of SNAME, the American Society of Naval Engineers, and the Fluid Power Society. Retired President of Sargent & Herkes, Inc., founded in 1977.



1954X

George Henry Plude died peacefully on March 1, 2022 at the age of 89. He was preceded by his wife of 66 years, Catherine.

He is survived by two children, 6 grandchildren and 1 great greatgrandchild.

He attended The City College of New York, and Webb Institute on Long Island, before graduating in 1955 with a

degree in Naval Architecture & Marine Engineering from the University of Michigan.

George and Catherine met while attending the University of Michigan. They were married in Pensacola, FL where George was a student pilot in the U.S. Navy. After four years of service as an aircraft carrier pilot, George moved his young family to Parma, OH.

George worked for forty years in Cleveland as a naval architect and marine engineer, designing large commercial ships. Throughout, George continued to serve our country in the U.S. Navy Reserves, completing a 20-year career. For his work on the Stewart J. Cort (commissioned in 1972), he was a co-recipient of the prestigious Elmer A. Sperry Award, given in recognition of a distinguished engineering contribution that significantly advances the art of transportation. The innovative design concepts and construction methods of the Cort, the first 1,000-foot self-unloading Great Lakes vessel, revolutionized the economics of Great Lakes transportation.

Later in his career George traveled frequently to Indonesia and Japan as he was designing the Sri Mantri Brodjonegoro, the first self-unloading cargo vessel built to transport fertilizer between the Indonesian islands. Finally, he started his own consulting business, through which he served the maritime community on the Great Lakes until his retirement.

George was a craftsman. He designed and supervised the construction of the family house, was an avid woodworker who made several pieces of family furniture, a baker of delicious breads, and he could fix anything – from cars to gadgets. He loved canoe camping. He was also fascinated with handcrafted marionette puppets and delighted in creating puppet shows with his young

grandchildren.

George was a kind and generous man who was liked — and loved — by everyone who knew him. Over the years, he kept growing, learning, and remaking himself – from a street stickball-playing kid in the Bronx, to a Navy pilot, to an international naval architect. He was a loving husband, father, father-in-law, and grandfather.

The family would like to thank the nurses and doctors at University Hospital Parma and the staff at ProMedica, Cypress Hospice, Kendal at Home, and Western Reserve Navigator for the care and compassion they showed George in his final months.

A joint celebration of George and Catherine's lives will take place at SouthWest Unitarian Universalist Church (6320 Royalton Rd, North Royalton, OH 44133) on Saturday, May 21st at 11:00am.



1955

Professor Robert B. Zubaly joined the faculty of SUNY Maritime at Fort Schuyler in 1955. Advanced from Instructor to

Professor of Engineering (NA). Received M.S. in Mechanical Engineering from Columbia University in 1959. Developed and supervised the NA degree program at SUNY Maritime. Lectured or was an adjunct professor at Webb Institute, USMMA, USNA, ABS, Seaman's Church Institute. Was a research associate at Davidson Laboratory from 1955-60, and at Webb from 1960 on. Authored or co-authored more than 40 papers on problems in hydrodynamics, statistical determination of ship responses to regular seas, shipping economics, and productibility, maritime fuel conservation, and maritime education. Consultant and expert witness in cases in admiralty law. Awarded the SUNY

Alumni News In Memoriam



Chancellor's Award for Excellence in Teaching in 1973. Past Chairman of NY Metropolitan Section of SNAME.

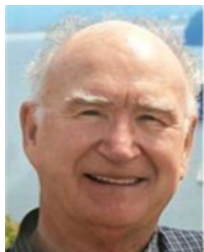


1957

Donald W. Brideweser passed away on May 18, 2022, to be reunited with his beloved wife, Martha who pre-deceased

him. He passed peacefully with family at his side, at Billings Court Manor, Burlington, at the age of 87. Cherished father of Susan, Michael, and Lesley. Donald also leaves behind 5 grandchildren and 4 great-grandchildren.

A graduate of Webb Institute, Massachusetts Institute of Technology, and Harvard Business School. He travelled the world through business and brought that world back to us all in his advice and guidance.



Douglas M. Gluntz passed away on May 31, 2019, at the age of 83 in Anacortes, WA after a valiant battle with cancer.

He was a truly loving partner to his Very-Significant-Other of more than 45 years, Pauline Campbell, a loving father to his two daughters, and Pauline's four children.

Doug was an avid boater, sea kayak builder, inventor and holder of over 25 patents, Merchant Marine, Nuclear Engineer, GIA-certified diamond-grader, pianist, Spanish guitarist, sailplane pilot, wood worker, and prolific creator of the largest Excel spreadsheets you have ever seen in your life.

Doug graduated in 1957 from Webb Institute of Naval Architecture and went on to earn two MS Degrees

- one in Nuclear Science, and the other in Nuclear Engineering, from Rensselaer Polytechnic Institute. Thereafter employed by General Nuclear Engineering Corporation he developed comprehensive fuel and reactor transient computerized models following hypothetical loss-of-coolant accidents for GE reactors. He worked in an advanced design group at GE's Nuclear Power Group in San Jose, CA, and conceived and championed what would become the GE Boiling Water Reactor's jet pump reactor recirculation system. This system was used in over 80 power reactors worldwide.



Bernard C. Mayer (York, Pennsylvania), passed away on June 6, 2022 at the age of 86.

In 2017, Bernie and his wife Joyce moved to Cranberry, PA so he could be cared for by family as he was suffering from Alzheimer's. He was loved and cherished by his wife Joyce; his son Robert; his daughter-in-law Noralynn; and his grandchildren.

1960

Robert K. Richardson a native of Brooklyn, NY, and California resident for 55 years, Bob Richardson passed away peacefully at the age of 83 on November 27, 2021 in Davis, CA with his wife Vicky and family at his side.

Bob attended New York's Baldwinsville Academy and completed degree programs at Webb Institute in Long Island, UC Berkeley, and Golden Gate University. After serving as Lieutenant in the U.S. Coast Guard, Bob practiced Naval Architecture in California at Earl & Wright, Morris Guralnick, Ship Research, Herbert Engineering, and Chevron.

Bob enjoyed the arts and playing the

violin, including in Paradise Symphony Orchestra and Rossmoor's Big Band. Bob was a beloved son, brother, husband, father, grandfather and great-grandfather. He will be greatly missed by Vicky, their four children, 11 grandchildren and two great-grandchildren.



PG'62

Captain James V. Jolliff, USN (Ret.) was born in Pittsburgh, PA on June 14, 1932. He attended Valley Forge Military

Academy (1948-1950) and entered the U. S. Naval Academy in 1950 on an Honor School Appointment. Graduated and commissioned as an Ensign on June 4, 1954, he subsequently advanced in rank to that of Captain on May 1, 1975. He completed active naval service on December 31st, 1981. Following graduation from the U.S. Naval Academy in 1954 he joined the USS SAMUEL N. MOORE (DD 747). While serving as Chief Engineer in USS MOORE, he participated in three deployments to the 7th Fleet with sustained operations off Korea and Taiwan. Later he served aboard the USS Cimarron (AO 22).

He reported in August 1958 to Long Beach Naval Shipyard where he served as Ship Superintendent for Destroyers. He was selected for graduate study in May 1959, and he began post graduate instruction at the Webb Institute of Naval Architecture, from which he received a Bachelor of Science Degree in Marine Engineering and a Master of Science Degree in Naval Architecture in July 1962.

From June 1966 to July 1969, he was an instructor and Associate Chairman of the Naval Engineering Division, Engineering Department, U. S. Naval Academy. Ordered to the Catholic University of America on a



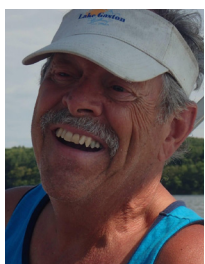
CNO Fellowship in August 1969, he graduated with a Doctorate in Ocean Engineering in July 1972. From there he served as a Ship Design Manager for several modular ship conceptual designs. In June 1976, he became Commander, Naval Coastal Systems Center, Panama City, Florida. From September 1979 to 1981, he was Director, Electrical Systems Group, Naval Sea Systems Command.

He co-authored "The Naval Engineers Guide" and authored over twenty published technical naval engineering articles in the Naval Engineers Journal. Following his retirement in December 1981, he began a second career and returned to his love of rocks, minerals, and gemstones. He graduated from the Gemological Institute of America and later earned diplomas from England and Canada as well as additional certifications. He opened JEI Gemological Laboratory in 1981 and served as Executive Director of the National Association of Jewelry Appraisers from 1994 to 2004.

He is survived by his devoted wife of 64 years, Ardythe Jolliff, a daughter, a son and three grandchildren. He has been active in either PCA or Lutheran churches for the past 61 years and knows the Lord will never leave him or desert him.



Norman "Homer" Wallin passed away on July 8, 2021 at the age of 87. Norm donated the funds for the Fountain in Cuneo Courtyard in 2000; funds to restore Webb's Steinway piano in 2005; and to create the Cultural Enrichment Fund in 2012. He retired from Keystone Shipping Company. He is survived by his beloved wife, Kitty.



1963

William (Bill) Taylor Lindenmuth

was born April 5, 1941 in Detroit MI and reared on Long Island NY, graduating from Garden City HS. Bill was a member of the Webb Class of 1963. He married Joyce, his wife of almost 59 years, in Locust Valley NY, two days after graduating Webb. They relocated to California shortly after their wedding where Bill earned a Master of Naval Architecture degree in 1965 from UC Berkeley.

After returning east to live in Maryland, Bill worked for Hydronautics, Inc., in Columbia; for the Navy at David Taylor Research and Development Center in Potomac; and Westinghouse (Northrop Grumman) in Annapolis. Joyce and Bill retired to Lake Gaston in Virginia in 2000 where they lived for 20 years. They relocated to Richmond, Virginia in April 2020.

Bill died at home after several months of Hospice care, on June 10, 2022 with his wife and son by his side. Besides his wife and son, he is survived by a daughter and four grandchildren, who called him "Grandude." He loved to sail his catamaran on Lake Gaston, a skill he learned as a "Webbie." He was proud of the education he received at Webb, and grateful for the friendships he enjoyed there, and continued to maintain until very recently.

Bill was a man who embraced life and accepted his death. People remark that they always remember him with a smile on his face. His motto was, "Don't worry, be happy." And he was.

HONORARY

Barbara T. Hamlin died at age 95 on Friday, June 10, 2022, at Kaplan Hospice

House in Danvers after a several-day stay. She was a talented seamstress, a writer and author, a lively hostess, an avid crossword puzzler and Scrabble player, and the loving matriarch of her family.

For the past four years, she had lived in Ipswich with her son and daughter-in-law, Sam and Eve Hamlin. After high school, she moved briefly to Bremerton, WA, to live with relatives and work in the Bremerton Navy Yard.

When Barbara, a sparkling redhead, came to work in a kelly-green suit, she caught the eye of Ensign Norman Hamlin. They married on June 21, 1946 and moved east to start their life together. While Norman pursued a career as a naval architect, Barbara raised their three children, Rebecca (Becky), Jennifer, and Ronald (Sam) in Washington D.C., Weymouth, and Huntington, NY. In 1987, Barbara and Norman retired from Webb Institute to Brunswick, Maine. Barbara was a wizard with needle and thread, making custom clothing for her children, from snowsuits to prom dresses to sport coats, as well as a boat cover for Norman. A skillful and creative hand-quilter, she made dozens of quilts for family and friends, including two "heritage" quilts commemorating the history of the Hamlin cottage in Christmas Cove, Maine. She also made braided wool rugs, hand-pressed flower lampshades, and delicate eggshell ornaments that still adorn her children's homes, 60 and more years after their making.

She also published a memoir (From Minnesota to Maine and the Stops In Between) and was proud to have served on the board of directors of the Oasis Free Health Network and the board of deacons at First Parish Church, both in Brunswick, and the board of directors of the Thompson Ice House in South Bristol, Maine.



Alumni News | Class Notes

1954

Frank Falci and his wife Wanda are doing well but are still experiencing some “Long Covid” symptoms 2 years after their hospitalizations. His youngest granddaughter was just admitted to Villanova and second youngest continues at Wake Forest. He plans to rebuild the deck in the back of his house. Frank reports that their son, Scott (a renowned neurosurgeon treating spinal cord injured patients for 30 years) has now founded a nonprofit. This organization has developed a brain-machine for disabled individuals to operate wheelchairs, golf carts, or any mechanical device, using implanted brain electrodes to translate thoughts into controlling electrical signals. Astonishingly, a person with spinal cord injuries has already had brain electrodes implanted which will translate his thoughts into electrical signals to allow him to operate a NASCAR Cup Racecar! See: falcimotorsports.com. See: falcispinalcord.com

1963

Bill Birkhead provided the following: The news from the ‘63’s is not great. Age 80+ has not treated us that well. We lost Mike Washlack, husband of **Bridget Lisnyk-Washlack**, attendee at most ‘63 functions, and a good man. Several of us have been seriously ill, including **Don Deckebach**, **Randy Rodger**, but I think Deck is recovering, and Randy is holding his own, but **Bill “Lindy” Lindenmuth** just passed away on June 10th, the fifth of our fifteen grads to pass. I was klutzy enough to tear a quadriceps tendon, resulting in an operation and a couple of months of rehab. Our class is a living proof of the maxim that women outlive men. Not only are our four widows, June Kiss, Bridget, Roberta Silber and Marge Verdon still enjoying active lives, but all four continue to honor their husbands by supporting Webb. Similarly, Mary Deckebach, and Miko Rodger continue to support my classmates (their husbands).

Not all of the news is bad. Some of our hale and hearty brothers have resumed following their wanderlusts. **Bill Hall**, **Tim Graul** and **Abbott Weiss** are trying to avoid letting grass grow under their feet. **Kurt Kramer** is becoming our class historian. He has unearthed several newspaper articles from the ‘59-’63 era relating to our basketball team and some of our self-effacing cheers. Just to remind everyone, led by my classmate **Joe Verdon**, our team went 9-1 my senior season. Our only loss was by 2 points to a Nassau Community College team that was stocked with recruits from four-year schools trying to get their grades up to qualify for D-1 schools.

My 4-year roommate, **Max Altmann** continues to brave the Minnesota winters while supporting several charities, as well as being extremely generous to Webb. He has published another novel, but so far, none of them have become national best-sellers. **Hank Olson** continues to defy the California mudslides and wildfires while splitting time between his home in Albany and his mountain cabin. I left **Bill Smith** off the travelers list, but he and Linda have spent time in their Ohio home and their condo in Bradenton. They have been doing their best to duck COVID, so I am not sure about their other travel plans. **Larry Stephens** remains in Illinois, retired for 3 months, and now works 16 or 18 hours a week in our Home Depot hardware department. It's harder than you might think!

1967

Paul Chapman & Susan and **Tom & Masumi Koster** attended the Denver Regional luncheon on April 9 and enjoyed catching up and visiting with the other 10 alumni and 5 guests.

Robert Hall: Very early in my career I worked for several years for George Plude at Marine Consultants & Designers in Cleveland. I worked there for two summers and then when I returned after 10 years out of the industry, I was

welcomed back with open arms by all, including George. He was my immediate boss on several projects and was a good man to work for. I learned a lot from him.

John Russell: My 17-year-old grandson and I made a gas-powered Everglades boat. It floated. Our granddaughter dressed for a forest hike. Mary had a pacemaker installed. May have saved her life. Our older daughter welcomed her home from the hospital. Got a ride on a friend's DC3 that had been part of the D-day reunion.

We had our 55th reunion at Homecoming 2022. Five stalwarts attended. Significantly, our class donated \$55,000 to name a special dorm room in honor of our only departed classmate Greg Tuxworth. Greg was one of the most



John Russell and his grandson with their gas-powered Everglades boat



John Russell's granddaughter dressed for a forest hike.



Alumni News

Class Notes



Mary Russell welcomed home by her oldest daughter

prominent crewmembers of many long-distance sailing races. He captained the famous surfing team that was photographed in the model tank. We hope that other classes will follow suit on their major reunions. Because of a failed effort to sell my major office building I'm still at work. It's rewarding, with people I like, but retiring seems like a better alternative. All six of our grandchildren live in Portland (21-3) and are terrific people.



D-Day Reunion with a friend's DC3

1968

The Class of 1968 continues to keep in touch via regular Zoom meetings. As we did last year, we recently met the senior class ('22) via Zoom. We had a total of 17 in the Zoom, 10 from '68 and 7 from '22. It was interesting to find the class of '22 had many west coast connections, and a significant number were planning to take up jobs in California and the Seattle area after graduation. One from the class of '68 snarkily suggested it might be time for Webb to open up a west coast campus. We had an interesting discussion of the seniors' thesis subjects. Several were

relevant to the current climate crisis and energy use: battery/electric propulsion, offshore wind farms and wave energy absorbers. We also had an interesting discussion with the seniors about how COVID had affected their time at Webb, plus comparisons of how things have and have not changed Glen Cove over 50+ years. One change: air conditioning in the classrooms!! One thing that HADN'T changed: About an hour into our Zoom meeting, the senior class informed us in no uncertain terms that if they didn't leave the meeting REAL SOON, they would miss the Friday evening meal. Webbies gotta eat!

1970

Class of 1970 held their COVID delayed 50th reunion at the October 2021 Homecoming. Half of the class attended at various times during the Heritage Society dinner and Homecoming. Highlights included presentation of the William Selkirk Owen award to David Pedrick. David is the third recipient of this award from the Class of 1970. The class also had an opportunity to see the conference room they sponsored in the new Couch Academic Center. The events were capped with a Sunday brunch at the View Grill Restaurant at Glen Gove Golf Course, hosted by Dave Bovet and Eric Linsner. There was a reading of the sequel to the Dr. Seuss based poem from the 1970 graduation Binnacle. Although there were many paths taken, the classmates that first met as 18-year-olds in 1966 found that they still liked each other.

Eric Linsner retired from International Registries, Inc., representing the Marshall Islands for gas ships in their Registry. Eric and Pat are looking forward to spending more time at their vacation home in Montauk, Long Island.

1973

Six of us gathered on campus on May 21st to celebrate classmate **Keith Michel's** retirement as Webb President. They

included **Dave Collins with his wife Meryl, Lorne Sheren with his wife Cary, Bill Helming, Paul Kamen, Ted Slotwinski, and Rich Celotto with his wife Kathy.** Steve and Joanne Lardie had planned to come down from Maine, but the rescheduling of some elective surgery got in the way. On Saturday morning, President Michel hosted a breakfast for these classmates and Homecoming attendees from the three classes before ours - '70, '71, and '72 - which was a terrific opportunity to see the upperclassmen whom most of us hadn't seen since their graduation. Both '71 and '72 were celebrating their 50th anniversaries so many of them were on campus and we all had a great time reminiscing. Next year will be our class's turn for the Big 5-0 and plans are already in the works.

We regret to report the passing in January of Mary Jane Rudnicki, wife of our classmate **Joe Rudnicki**. Mary Jane was a fixture in Howard County, Maryland charities and organizations, making significant impact on the community through volunteering and fundraising. Her many notable contributions include service to the Howard County American Red Cross, Domestic Violence Center of Howard County, the Columbia Volleyball Club, the Claudia Mayer Image Resource Center, the Cystic Fibrosis Association, ARC, and St. John's Parish Day School. Despite never playing a sport, she was inducted into the Howard County Sports Hall of Fame in 2010 having served as the first ever female Howard County Youth Sports Program commissioner and for her contributions to the launch of the county's volleyball program - a program she had particular passion for given the absence of low-cost accessible programs in the area. www.tributearchive.com/obituaries/23616405/mary-jane-rudnicki

1976

John Holland wrote: I have worked in Germany and Norway for the past 35



years. Now semi-retired and doing some consulting work on LNG terminals and offshore transfer systems. Still trying to get my patented LNG/Lh2 containment system to market.

1977

Greg Griffin wrote: Jean and I are percolating along in southwest New Hampshire. We've managed to avoid catching COVID-19 so far. I'm sailing an RS Aero just for fun on our local lakes. The RS Aero is about the size of a Laser, but half the weight, so very exciting to sail. We recently adopted a three-year-old Treeing Walker Coonhound. We know nothing about his background. We've named him Calvin. We've had lots of dogs over the years, but this is our first hound, so there's a lot to learn. He makes us smile.

Roy Neyman wrote: My voyage across the South Pacific has run aground in Tonga. Not actually, ...well, kind of. I put my boat up in the yard here in Vava'u in early 2020 to keep it safe from cyclones. She's been stuck there ever since to address a couple of debilitating repair jobs. Not only that, one of our local volcanic islands erupted with world-shaking and record-breaking enormity, so life here has been interesting. The explosion shattered the subsea cable that connected us to the outside world, so phone and internet service has been set back a decade or so. Nevertheless, the Tongans and my fellow expatriates have and continue to be kind. When I'm finally able to sail on to Fiji and farther west, I'll be sad to leave them behind. If you're interested in following or even joining the voyages, send me a request to join the Go West Mabrouka Facebook group. I also hope to visit the US for several months starting mid-July. The second of my three daughters is getting married on August 14th, and I'll take that opportunity to get around to see friends and family.

After taking a severance package in the

middle of the pandemic, **Scott Orlosky** has jumped into the world of freelance Technical Writing and Consulting on Product Marketing for sensors and instrumentation. Both of his girls (Celeste, 27 and Isabelle 22) are doing well as is his wife of 39 years, Julia.

1988

Steve Pagan and his family recently made a life decision; he retired from Chevron after almost 18 years and will be moving from Houston to Beverly, Massachusetts in August 2022. We are looking forward to all the North Shore has to offer and might be looking for a side hustle in the fall.

1993

Jake & Mary Neuman traveling the country with Ellie's Volleyball team while our oldest, Nick is going into Junior year Clemson and Tommy graduating high school and focusing on biomedical engineering at Georgia Tech. Despite teenagers going different directions at different times, we find good family time wakesurfing and boating on the muddy waters of Lake Houston. Erik Nilsson and Al Kamahi are planning a 30th reunion for the class with intention of ALL 16 of us being present. More info TBD.

Peter Wallace reports: Katie, our older daughter, is continuing with the Houston Ballet Academy. Nutcracker still rules our lives from about September through Christmas every year. Katie has been accepted into a great private high school here, so the tuition started four years earlier than we anticipated. Mackenzie, our younger daughter, is finishing up third grade and having a great time with Girl Scouts. In March 2020, we were looking at renovating our house while we camped out somewhere else because the girls/we were attending school/work remotely. So, we moved to the Poconos in PA for August and September 2020 while we finished the renovations and bought a new house around the corner in October

2020. Not being in Houston during the fall was great so we moved to Chatham, MA for October-early December 2020 and really loved it. The fall on Cape Cod suited everyone. Once the wind started to pick up, we moved to Lancaster, New Hampshire for December 2020 through April 2021 which is much colder than Texas. Everyone loved northern NH in part because we know a lot of people there and the entire family took to cross country skiing and ice skating at the local rink. We got back to Houston in April 2021, renovated the new house, and moved in in December 2021. I am very active in Woods Hole Oceanographic Institution as a trustee now that I have fully rotated off the Webb Alumni Association executive committee and the Webb strategy committee of the Trustees. Mary is continuing at DWS, the asset management spin-off from Deutsche Bank, where she is covering Texas, most of the southern United States, parts of Latin America, and a few Washington, DC accounts. Her travel is starting to pick up again after coming to a halt in March 2020.

1995



Paulo Almeida at the UN General Assembly and Climate Week NYC.

Paulo Almeida, a Member of the Board of Trustees, is Chief Investment Officer of Tufton Investment Management whose funds own nearly 100 ships. He spoke about Tufton's new commitments to decarbonizing shipping together with other industry leaders during the UN



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General Assembly and Climate Week NYC. "Today we announced that we will invest in zero carbon capable ships before 2030 as part of fully decarbonizing our fleet by 2050 in line with the Paris Agreement targets. These commitments are significantly ahead of current industry (IMO) targets, but we feel strongly that they are both necessary and achievable for the industry overall. This is a very exciting time to be a shipping investor, and especially because I'm also a naval architect.

2008

Leah Sosa and Richard Barrett were married in Amsterdam on April 22, 2022. We welcomed our families from Los Angeles and England for the event and were also thrilled that our daughter, Abigail (6 months old) could also be present.



Leah Sosa and her husband Richard Barrett with their daughter Abigail

Adam Van Doren wrote: Moved to Charlottesville, VA to be closer to friends and family - many in the Washington D.C. area - after taking a new position with CDW as a Data Engineer.

Sarah (Patrick) Wickenheiser became the Chief of the Engineering Division at the Coast Guard Yard in Baltimore, MD. She was the 2021 recipient of the ASNE Frank C. Jones Award (Intermediate / Depot Maintenance and Alterations). Way to go, Sarah!

2009

Stefan Wolczko said, "R2 Building has recently come out of stealth phase and closed its series A fundraising round." He's excited to be a partner there, and to contribute experience from his naval architecture career to leverage shipbuilding and industrialized construction technology in the urban residential real estate development market. Follow along on LinkedIn for updates as more becomes public about their unique business model (or if you're interested in joining)!

Dave and Rachel Sawyer welcomed their son, Everett Reade Sawyer, into the world on June 17th. Everyone is healthy and happy!

Robert Carelli and Lindy are excited to announce that they are expecting a baby this January 2023!

Diana Look is moving to Seattle this summer. They are working for Amazon and bringing their dog and partner along for the journey to the west coast!

Josh McMinn relocated (again) with the family to Copenhagen, Denmark and has been enjoying the random Webbie visits and daily cycle tours of the city.



An unplanned Class of 2009 reunion in Copenhagen.

Jon Ward moved back aboard the Parcel of Rogues after a winter hiatus and will

be cruising around the northeast this summer.

Veronika and **Andrei Mouravieff** moved to Minneapolis in October and enjoyed celebrating Jon and Jessie's wedding in Haarlem this spring.

Kate and **Niko Martecchini** welcomed a baby boy, Arlo Mark Elliott-Martecchini, in November 2021. "Arlo is keeping us both busy and happy as he grows and learns about the world. Our family is also looking forward to spending more time at Webb starting this summer when Arlo visits his grandparents!"



Two generations of Webbies, Mark '79 and Niko '09, along with a potential third, Arlo.

Alana and **Phil Duerr** said, "This spring has been fun. It was great to be able to see lots of Webb friends at Caboose Brewery for the DC alumni event. Our family has geared up for some front yard summer fun with a gifted shark cave adventure inflatable pool and slide!"



Phil is even more excited about the new inflatable than the kids.



Matt and **Lauren Kadlec** are both still in the Navy and currently stationed in Coronado, CA. Hannah and Emily are officially little fish and beach bums.



Hannah and Emily enjoying the California beach life.

Jessie and **Jon Dowsett** got married in Haarlem just outside of Amsterdam on May 27th surrounded by lots of friends and family. It was a beautiful day and an amazing party! We also adopted a pet hamster named Chubby – because we are both too allergic to cats and dogs.



Jon and Jessie's wedding ceremony in the orchard of Orangerie Elswout, in Haarlem, Netherlands.

2011

Esteban Castro wrote: Happy to announce the first model hull that comes out from the Crown Hydrodynamics LLC workshop in San Juan, PR. The 8' (2.44 m) model hull is a scaled version of the Aha, an 1894 all-steel vessel from Harbor Springs, MI.



Aha Model Hull 8'

Ian McMahon bought a house in Spring, TX in February 2021 and has been trying to fix and furnish it. In 2020, he started hosting build classes and competitions for fighting robots in Houston. So far, over 20 families have built bots in the classes, and our competitions are about 30 bots.

2015

Clarence O'Connor moved back to Houston after 3 years in Guyana, just in time to celebrate his engagement to Libby Palmer! Nolan Conway, Chris Licato, Ben Rockwell, Evan Wingfield, Satchel Douglas, and Dan Turoff joined Clarence in Marco Island, FL in late May to celebrate. (Picture: Ben and Dan not shown)

After and exciting tenure in Seattle working for Vigor on electric ferry



L to R: Nolan Conway, Clarence O'Connor, Chris Licato, Evan Wingfield, Satchel Douglas

development, Satchel Douglas has moved to Largo, FL and is focused on developing wind propulsion solutions for commercial ships with startup company Aloft. In his free time, he is taking advantage of the warm water to improve his wing foiling skills.

HONORARY



Charles Kurz II wrote: I continue to serve as a Trustee of The Legacy Foundation of The Union League Club of Philadelphia and president of the Class of 1967 at Trinity College in Hartford, CT where I celebrate my 55th reunion in June 2022. I also am pleased to know that needy students at Webb continue to receive a room and board benefit from the Kurz Family Scholarship Fund and a Webb senior is recognized at commencement with the Charles Kurz II (Hon.) Community Service Award.

Gailmarie Sujecki will have celebrated her 41st work anniversary at Webb Institute in August 2022. She's now the longest employee in Webb's history! She still enjoys coming to work each day!



Please send class notes directly to Gailmarie Sujecki at:
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