

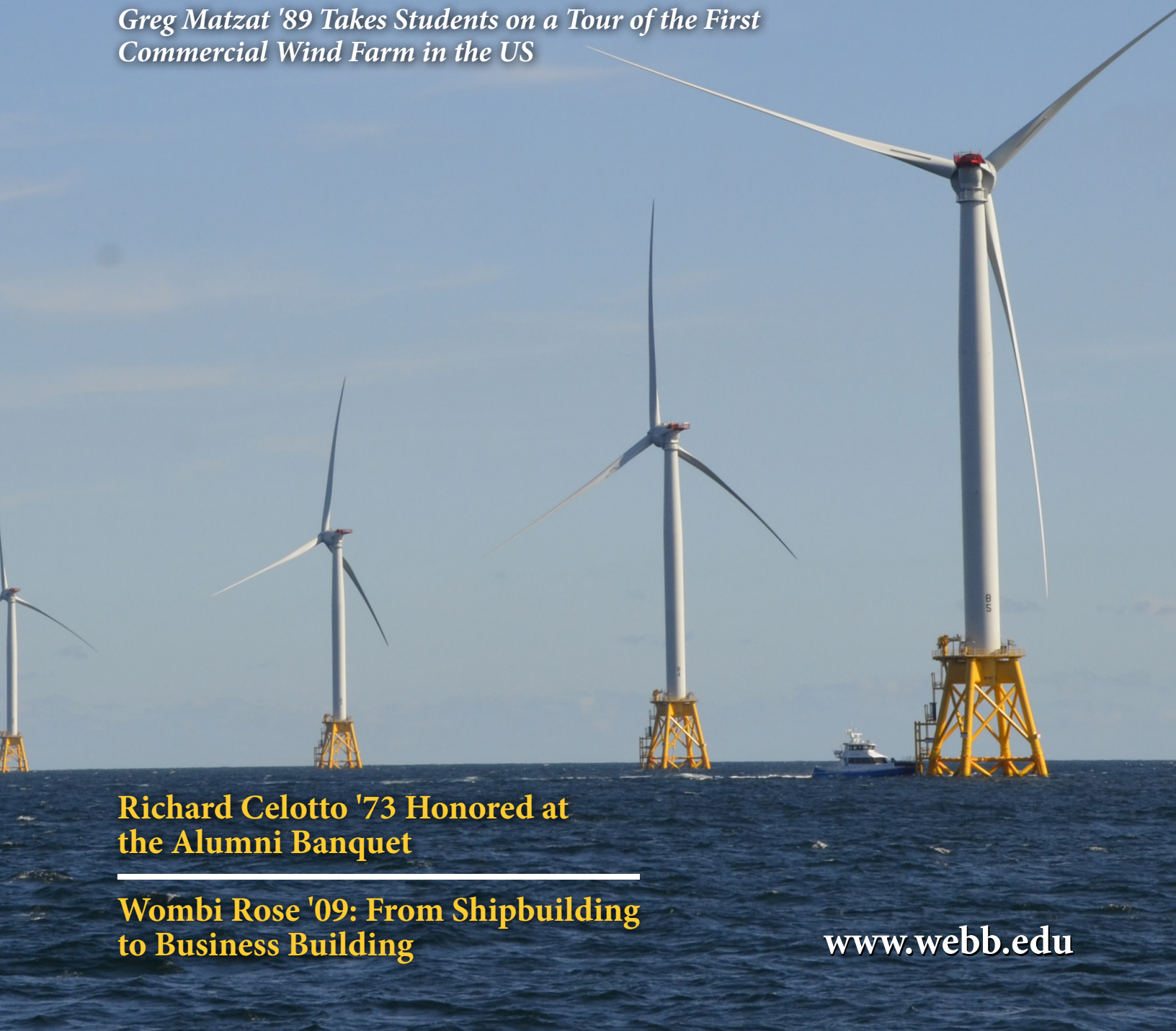


Webb News

WEBB INSTITUTE MAGAZINE | WINTER 2016-17 | VOL. 28 | ISSUE. 2

Webbies Get an Exclusive Tour of the Block Island Wind Farm

Greg Matzat '89 Takes Students on a Tour of the First Commercial Wind Farm in the US



Richard Celotto '73 Honored at the Alumni Banquet

Wombi Rose '09: From Shipbuilding to Business Building

www.webb.edu

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MISSION STATEMENT

To prepare graduates for prominent careers by:

- ⚓ Providing a rigorous education in the principles of engineering and a broad-based knowledge of the fundamentals of naval architecture and marine engineering.
- ⚓ Developing skills that will enable graduates to become leaders in and make significant contributions to their chosen profession, and to the social environment in which it functions.
- ⚓ Instilling in our graduates the highest ethical standards and sense of professionalism; cultivating curiosity in the arts, sciences, and humanities; and providing the background and encouragement necessary to support life-long learning.
- ⚓ Perpetuating the legacy of William H. Webb.



Please send comments
or article suggestions to:
kallegretta@webb.edu

CONTRIBUTORS

R. Keith Michel '73
PRESIDENT

Matthew Werner '95 & PG'97
DEAN & ABS PROFESSOR OF NAVAL
ARCHITECTURE & MARINE ENGINEERING

Graphic Design & Layout:

Kerri Allegretta
DIRECTOR OF MEDIA RELATIONS &
COMMUNICATIONS

Supervising Editor:

Gailmarie Sujecki (Hon.)
EXECUTIVE ASSISTANT TO THE PRESIDENT &
DIRECTOR OF ALUMNI RELATIONS

Editors:

Dr. Richard C. Harris
ASSISTANT DEAN & DIRECTOR OF HUMANITIES

Josie Wilson (Hon.)
DIRECTOR OF ACADEMIC SERVICES

EDITORIAL CONTRIBUTORS:

Taylor Adamczyk	Ian Lawson '17
Kerri Allegretta	Blake Loncharich '19
Lauren Carballo	Bree Louie '17
Jay Carson '73	Michael Malinowski
Ryan Chozick '18	R. Keith Michel '73
Vinnie Commissio '18	Sean Murphy '13
Ashley Dias '19	Wombi Rose '09
Nicholas de Sherbinin '18	Rick Royce
Mara DuVernois '20	Tony Urbanelli '75
Megan Green '18	Peter Wallace '93
Will Harris '19	Jonathan Wang '20
Thomas Hickey '18	Matthew Werner '95, PG'97
Mary Hutchings	

PHOTO CONTRIBUTORS:

Taylor Adamczyk	Jocelyn Kleiger '19
Kerri Allegretta	Benjamin Scott
John Dixon '20	Renee Tremblay '20
Will Harris '19	Jonathan Wang '20

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Webb Institute,
298 Crescent Beach Road,
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FROM THE PRESIDENT

There's a buzz on campus!

Built in 1912, Stevenson Taylor Hall (formerly the “Braes”) remains an iconic symbol of grandeur and elegance. To alumni, the sight of STH elicits memories of four of the longest and most rewarding years of their lives. But to our facilities group here on campus, STH is our 105-year-old home that demands lots of loving care. Over the last several years, they have worked hard to spruce up STH and the other buildings on campus. That work is ongoing but we are making tremendous progress.

In the past two years, Lenfest Gallery and the Visconti Reception Room underwent major renovations. This winter, we focused on the library and the student dining rooms. New carpeting was installed in the library – a long overdue undertaking that looks fantastic. The wood paneling and floors in the student dining rooms were restored and refinished, chandeliers installed, and new solid wood tables fitted throughout. These renovations complement the wood and marble topped servery that was installed last year. I hope many of you are able to see these changes for yourselves at Homecoming – the Main Deck of STH has never looked better!

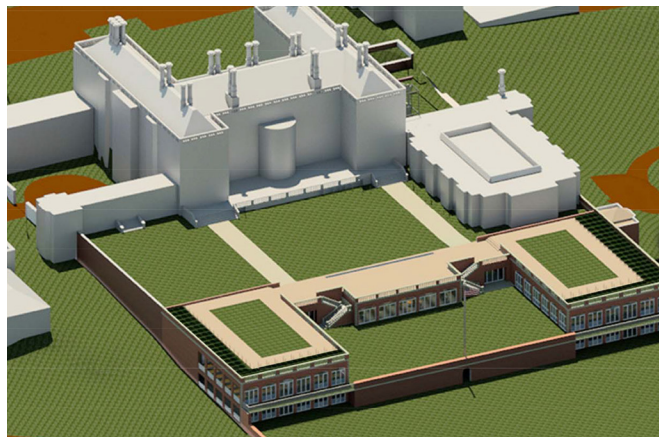
Other modifications are aimed at enhancing safety for our students and improving energy efficiency, while paying careful attention to preserving the historic look of our campus. We have engaged civil and mechanical engineering companies to design a fire service main and fire sprinkler systems for STH with installation expected to begin this summer. We are studying fitting of interior storm windows and alternative heating systems with the goal of enhancing local control of heating and improving overall efficiency. We have recently installed heat condensing boilers, a direct-flow hot water heater, and attic insulation in the Robinson Model Tank building. It will take time to fully realize the benefits of these improvements, but the early returns look promising. Natural gas consumption in January for Robinson was halved as compared to the year before.

These changes are exciting in their own right, but the really big buzz on campus centers on the proposed Academic Center. After considering input from the many stakeholders that comprise the Webb community, the Board

of Trustees selected the Bentel & Bentel design concept for our new Academic Center. Located on the second terrace in close proximity to Stevenson Taylor Hall and the Livingston Library, the Academic Center will be readily accessible by students and faculty. The Center will house workrooms and lecture halls, student team rooms and conference rooms, faculty offices, and the Couch Lab (our computer technology center). It will be a modern teaching facility which stylistically complements the Georgian architecture of Stevenson Taylor Hall. We are nearing the final stages of schematic design, roughly equivalent to the preliminary design phase in shipbuilding. As the design develops, we will post drawings and renderings at: <http://www.webb.edu/academic-building/>. At Homecoming, we look forward to updating alumni on the design status. We anticipate start of construction in early 2018 and opening of the Academic Center for the 2019 fall semester.



R. Keith Michel '73
President



Aerial view of the new Academic Building.



View from the new courtyard on the second terrace.

Family Weekend

Another Year of Family Fun



Every year, Webb's Annual Family Weekend is an enjoyable experience for Webbies and their families who gather on campus for a fun weekend of festivities, and this year was no exception! The festivities began on September 16th, 2016 with an Ice Cream Social and concluded with the highly anticipated Freshman Boat Race.

Saturday was a day jam-packed with activities. To start, Webb had a continental breakfast for all attendees, followed by a welcome from President Michel. This was followed by presentations from Brianna Louie '17, Chris Johnson '18, Taylor Reiss '18, Andrew Pidduck '19 and Will Wiley '19 on their winter work experiences, as well as a performance from our vocal ensemble, the Webb Family Singers (WooFS).

The day continued with a barbecue luncheon for all students and their families in the Cuneo Courtyard and a soccer game. Although the Webbies ultimately lost a hard-fought battle against Cooper Union 5-2, the game was not without excitement. Both Ryan Chozick '18 and Max Pierce '20 scored impressive goals. The day was capped off with a reception, which included a performance by the always-wonderful Student Jazz Band.

Sunday was the day everyone was waiting for—the Annual Freshman Boat Race! Students were randomly split into teams of four during Freshman Orientation and had a month to complete their vessels. For this year's challenge, students needed to create biomimetically-propelled boats using only the materials that were provided to them. Unfortunately, not all boats crossed the finish line that morning, but it was still a fun experience for both participants and observers. The boat race itself was won by team "Turtle Recall," which consisted of members Rockford Regan '20, Zane Tinnell '20, Mary McGuinness '20, and Jonathan Wang '20.

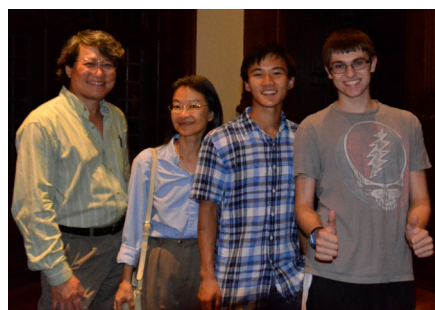
by Michael Malinowski,
Assistant Director of Admissions and Student Affairs



Family members gather on the pier to watch the boat race.



Above: One team displays their boat, the Dart Frog.



Left: Freshmen reconnect with parents during the Ice Cream Social.



Bruce S. Rosenblatt Named New Chairman of the Board

by Taylor Adamczyk,
Assistant Director of Media Relations & Communications

On Tuesday, October 18, 2016, Webb's Board of Trustees appointed Bruce S. Rosenblatt as their new Chairman of the Board.

Rosenblatt, President of Bruce S. Rosenblatt & Associates, LLC, is a third-generation naval architect and marine engineer who has always shown a great love and support for Webb Institute and the role it plays in producing exceptional marine industry professionals, many of which he has hired.

"My grandfather started his marine industry career 109 years ago and there is nothing that brings me more pleasure than to continue that tradition by helping to assist the future of the marine industry. I can think of no finer place to do this than at Webb Institute."

Dr. George Campbell, Jr., who faithfully served as Chairman since 2012, will remain an active member of the Board.

"I am indebted to Dr. George Campbell for the outstanding mentorship and support he provided to me during my first three years serving as Webb's president," said President Keith Michel. "Bruce Rosenblatt brings a strong understanding and commitment to the maritime industries and the education of marine professionals. I have full confidence he will serve Webb with distinction and look forward to working with both Bruce and George in the coming years."

Other Board appointments include Jon LaBerge '76 as Vice Chair of the Board, Gregory Mendenhall as Treasurer, and John Costello '89 as Secretary. In addition, the Board welcomed new members Peter K. Wallace '93, President of the Webb Alumni Association, and Eugene R. Miller '96 of Bath Iron Works.

A THANK YOU TO OUR ALUMNI FROM THE ADMISSIONS OFFICE

by Lauren Carballo,
Director of Admissions and Student Affairs

From my first visit to campus, it was clear that Webb Institute is a magical place—one where students engage deeply in their own learning and prepare to become leaders in the marine or maritime industry and beyond in an ever-changing world.

I knew it was a community I wanted to be a part of. Now that I've been at Webb for several months, however, I've started to realize just how truly magical Webb is. Webb is more than just a college; it is a family! I've been so inspired by the many who have gone out of their way to offer their support and services to our Admissions Office this fall.

I have had the pleasure of meeting several alumni during their visits back to campus, who have taken the time to introduce themselves and tell me about their Webb experience. I have even received phone calls and emails from alumni who have

developed admissions materials over the years or have told prospective students about Webb. Finally, there were several alumni, including Phil Wagner '78, Chad Hawkins '91, Spencer Johnson '93, and Taylor Herinckx '06 who offered their assistance with our recruitment efforts. Because of their help, Webb was represented at college fairs in Alabama, Louisiana, and Washington state, where over 25 students had the opportunity to learn about Webb!

I cannot thank the Webb family enough for making my first few months as a member of this community incredible!

For those of you interested in helping our admissions office, please do not hesitate to contact me at 516.403.5900 or LCARBALLO@webb.edu.

DATES OF INTEREST

Spring Recess

April 17-21, 2017

Founder's Day

April 28, 2017

Juniors attend OTC

May 1-3, 2017

Homecoming Weekend

May 20-21, 2017

Webbstock

June 3, 2017

Finals

June 16-20, 2017

Commencement

June 17, 2017

SEA Program

Session 1: July 5-14, 2017
Session 2: July 17-28, 2017

Fall Classes Begin

August 21, 2017

Family Weekend

September 22-24, 2017

SNAME - Houston, TX

October 25-28, 2017

Alumni Banquet at SNAME:

Richard Celotto '73 Receives the Alumni Association's Highest Honor, the W. Selkirk Owen Award

by Peter Wallace '93,
Webb Alumni Association President

The most special occasion of the Webb Alumni Association is the presentation of the W. Selkirk Owen Award at the Annual Banquet. It was an honor and privilege to present the award to Richard Celotto '73 on behalf of the Alumni Association. Rich earned the award through his contribution to the profession in the US Navy and civilian service, his contribution to Webb Institute in countless ways, and his leadership among people. Keith Michel '73 introduced Rich on behalf of Jay Carson '73. Keith described a late '60s event that involved multi-colored vitamin pills, a Howard Johnson's restaurant, and a trip to the local police station reminiscent of *Alice's Restaurant*.

Nearly 100 people attended the Annual Banquet in Bellevue, Washington. Great turnout considering it was a late Friday night at the end of a nearly week-long SNAME conference. The Alumni Association, through the donations to the event, was able to fully sponsor the entire senior class.

An underlying theme to the SNAME conference was transformation combined with building stronger and more diverse connections, specifically, the focus on the new shipping revolution and the Seven Faces of SNAME.

These themes were paralleled by what we are seeing at Webb: the transformation of the campus by considering the addition of a new academic building and the increasing diversification of what the Webb students and recent graduates are doing compared to what the older alumni were doing ten or twenty years ago. Webb will be a positive force for the industry's advancement.

Thank you to those that came or contributed to the Annual Banquet.

Thank you Rich for your contributions that perfectly describe the recipient of the W. Selkirk Owen Award.

And we look forward to seeing you at Homecoming 2017.



Peter Wallace '93, Trustee Bruce Rosenblatt, Richard Celotto '73, Kathy Celotto, and President Keith Michel '73.

About Richard Celotto '73:

Commissioned Ensign, USNR, Engineering Duty from OCS 1974. Served as the M Division Officer, then Boilers Officer on the USS *Claude V. Ricketts* (DDG 5) 1974-76. His participation in a dramatic rescue at sea by the *Ricketts* is noted in the book *Save the BELKNAP* by Captain Robert C. Powers. Transferred to Supervisor of Shipbuilding, Conversion and Repair, Brooklyn where he augmented to Regular Navy. Attended MIT 1978-81, earned an SM in Naval Architecture and Marine Engineering and an Ocean Engineer Degree, and married his wife Kathleen. Transferred to Pearl Harbor Naval Shipyard where he served as a ship super-intendent and docking officer and then Officer-in-Charge of SUPSHIP Pearl.

From 1984 to 1989, he served sequentially at the Naval Sea Systems Command in Washington as the RACER Waste Heat Recovery Project Officer, DDG 51 Machinery Systems Task Group Manager, and Technical Director for the Mine Countermeasures Ships Acquisition Program. Returned to MIT as the Associate Professor of Naval Construction and Engineering 1989-92. Then assigned as SUPSHIP San Diego New Construction Project Officer at NASSCO for the AOE 6 Class, Sealift Conversion, and Sealift New Construction shipbuilding programs. Joined BMT Designers & Planners in 1996 and has filled a variety of positions, starting as Operations Manager, then becoming Vice President of Engineering in 1998. He served as the D&P project manager and team leader supporting all USCG surface acquisition programs from 1999 to 2012, which included the National Security Cutter, Offshore Patrol Cutter, Fast Response Cutter, and 123' Patrol Boat Conversions. He is currently Vice President for Engineering.

Rich served on the Webb Alumni Association Executive Committee from 1999 to 2013, including serving as the President of the WAA 2006-08 and 2010-12. He has served as a Webb Trustee since 2012 and an active Class Agent for 1973. He is also active in ASNE's Flagship Section, has served on the ASNE National Council, and is currently Chairman of the ASNE Scholarship Committee. He was named a SNAME Fellow in 2014. He was selected as the District of Columbia Council of Engineering & Architectural Societies Engineer of the Year for 2016. Rich races on classmate Ted Slotwinski's yacht *Zalek* whenever possible but not often enough.

Rich and Kathy are blessed with three children and one grandchild.





Seniors Meet Industry Leaders at SNAME



by Ian Lawson '17

The senior class took their much-anticipated trip to the SNAME Maritime Convention (SMC) in Bellevue, Washington. This trip is generously sponsored each year by the TK Foundation and is widely considered to be one of the most enjoyable and worthwhile events of the year.

On November 2nd, 2016 before the sun was up, the seniors were off to JFK Airport in the capable care of two sophomore van drivers. The six-hour flight was many students' only chance to sleep before arriving at the convention, and before many knew it, the plane was breaking through a low layer of clouds to reveal the rainy, yet bustling city of Seattle on the scenic Puget Sound.

The students made their way by shuttle from the airport to the Hyatt Regency Hotel in Bellevue, a gorgeous establishment that not only hosted the convention, but was also the lodging arrangement that TK was kind enough to provide for Webbies. After signing in and stopping by the rooms, students went downstairs and joined the convention.

The first day featured a student design competition followed by a student social. The student events were undoubtedly some of the most enjoyable parts of the convention. Fellow undergrads from around the world came together to celebrate their common passion for the marine industry as well as to meet and network with their peers. These gatherings helped form what will soon be a web of professional contacts for graduates as they begin their careers.

The second day featured a job fair in the morning as well as paper presentations and panel discussions that ran throughout the day. After lunch, students attended the Student & Industry Round Table event. This incredible event allowed students to meet industry experts who sat at their own tables and answered questions or told their stories to those sat down with them. Students were also able to switch tables several times over the course of the afternoon to hear from a variety of professionals. After the round table sessions and papers were done for the day, Webbies attended the Annual SNAME Banquet and Awards Ceremony, thanks to another generous sponsorship, this time from Bruce Rosenblatt, whose consistent commitment to Webb students is truly remarkable.

On Friday, the third and final day of the trip, students attended papers and panels during the day before gathering for the Webb Alumni Banquet that evening. The banquet was a great opportunity to meet with and get to know new alumni as well as re-connect with those whom students already knew. It was inspiring to see the heritage that Webb students belong to and the strength of community that is immediately apparent among alumni. The senior class flew back to New York on Saturday night, giving students a chance to explore Seattle for a while during the day. Two freshman van drivers graciously drove to JFK at 5am on Sunday to pick everybody up. Once back home, the entire class took a much-needed rest day. SNAME certainly lived up to the senior's expectations. The class of 2018 should look forward to their trip later this year.



Webb Institute

Organization and Cost Structure

by President Keith Michel '73

Alumni have expressed interest in learning more about the inner workings of Webb. This article is the first in a series of articles that will provide information on the organization, finances, investment strategies, and fundraising at Webb. We intend to make presentations with Q&A on some of these topics at Homecoming and if there is sufficient interest, through webinars. This article focuses on the organization and cost structure of the Institute.

We utilize a flat organizational structure comprising nine departments, with the director of each department reporting to the president. Directors are responsible for management, budgeting, and cost control of their respective departments. Most departments consist of two or three persons, with the exception of the larger academic and facilities groups. Basic responsibilities of each department are outlined below, although we emphasize collaboration among departments on tasks of common interest.

Figure 1: Representative Responsibilities of Webb Administrative and Academic Staff

President <ul style="list-style-type: none"> • 2 full-time • administration • represent Webb 	Faculty <ul style="list-style-type: none"> • 11 full-time plus adjuncts • 2 lab techs, librarian, academic services • curriculum, instruction, accreditation
	Finance <ul style="list-style-type: none"> • 2 full-time • budgeting & accounting • taxes and audit
	Human Resources <ul style="list-style-type: none"> • 1 full-time • payroll & benefits administration • insurance & sales tax
	Admissions & Student Affairs <ul style="list-style-type: none"> • 2 full-time • recruitment of students • student life & student affairs
	Development <ul style="list-style-type: none"> • 3 full-time • general fundraising & comprehensive campaign • working with alumni volunteers
	Information Technology <ul style="list-style-type: none"> • 2 full-time • computer hardware & software • cybersecurity & data protection
	Communications <ul style="list-style-type: none"> • 2 full-time • create publications including website • communications including press
	Facilities <ul style="list-style-type: none"> • 6 full-time • maintenance & landscaping • security

President and Executive Assistant: The President is the chief executive on behalf of the Board of Trustees and is responsible for the organization and administration of the Institute.

Academics: At full staffing, the faculty comprises 11 full-time equivalent (FTE) faculty; in addition, over the course of the year, we will employ four to six adjuncts. Adjuncts are utilized primarily to teach elective and other specialty courses. Also reporting to the Dean are the librarian, two lab technicians, and academic services.

Finance: Responsibilities include budgeting, financial accounting, recordkeeping related to investment of the endowment, and compliance on financial matters, including taxes and the audit process.

Human Resources: This department handles human resource matters, including administration of employee benefits and pension plan administration. HR assists the Finance Department on various tasks such as administration of insurance policies, sale tax reporting, payroll, and budgetary oversight of culinary services.

Admissions and Student Affairs: Responsibilities include enrollment management, student services and support, and oversight of programs to enhance student life at Webb such as sports and clubs, social events, and health and safety compliance.

Development: The Development team is responsible for fundraising and works in collaboration with our many volunteers including the Chairpersons of the Alumni, Parent, and Parent of Alumni Funds and the Chairman of Planned Giving. This unit also works closely with many of Webb's Board of Trustees committees, including the Development Committee, the Capital Campaign Committee, and the Gift Acceptance Committee.

Information Technology: IT is responsible for the hardware, software, and networking facilities at Webb for faculty, staff, and students.

Communications: Responsibilities include development and maintenance of the website; design and production of all publications such as the Annual Report, *WebbNews* and *WebbieNews*; audio visual equipment; and external communications, including interfacing with media.

Facilities: Responsible for the maintenance and cleaning of facilities and security of the campus.

For comparative purposes, college and university expenses are typically broken down by type of expense (natural classifications) or by purpose (functional classifications). Webb's natural and functional classifications of expenses are shown in Table 1 and Table 2, respectively.

**Table 1: Webb Institute FY16 Expenses
(Natural Classifications)**

Natural Classifications	Expenses	
Academic Salary & Benefits	\$2,046,985	
Administration Salary & Benefits	\$1,513,173	
Facilities Salary & Benefits	\$494,765	
Total Salaries & Benefits	\$4,054,923	56%
Supplies	\$179,250	2%
Student Services	\$576,797	8%
Other Services & Expenses	\$1,113,998	15%
Occupancy Related Expenses	\$657,930	9%
Depreciation & Interest	\$665,172	9%
	\$7,248,071	

Academic salaries & benefits includes faculty (full-time and adjuncts) and academic support positions (librarian, lab technicians), and comprises about 50% of all salaries and benefits. Salaries and benefits represents 56% of all expenses. These figures are consistent with those of other colleges and universities we evaluated, whose salaries and benefits ranged from 49% to 66% of total expenses. Our figures for supplies & services and facilities related expenses also fall within the range of those of other institutions.

The largest component of student services is meals. Outsourced culinary runs about \$540,000 per year. This covers student meals as well as the lunchtime meals provided to staff and faculty. Utilities costing about \$240,000 per year is the largest single component of occupancy-related expenses. Capital expenditures for new infrastructure, major renovations, and equipment are capitalized and depreciated over their useful lives.

**Table 2: Webb Institute FY16 Expenses
(Functional Classifications)**

Functional Classifications	Expenses	
Instruction	\$2,649,160	37%
Institutional Support	\$2,219,931	31%
Auxiliary Enterprises	\$978,568	14%
Student Services	\$672,679	9%
Academic Support	\$631,367	9%
Research	\$96,366	1%
Total Expenses	\$7,248,071	

We compare our functional expenses and costs per student to other institutions we deem as peer colleges. When selecting peer colleges, we look for institutions that are small in size; focus on engineering, primarily or entirely; grant undergraduate degrees, and have a majority of students living on campus. Examples of peer institutions

are Franklin Olin College, Cooper Union, and Harvey Mudd College.

Our total cost per student is approximately \$79,000 per year, assuming a student body of 92. This cost per student compares favorably to our peer colleges even though they have four to ten times more students. Our analyses indicate that the cost per student for larger technical colleges and universities is significantly lower, ranging from \$26,000 to \$63,000 per student per year. This is in large part due to economies of scale although factors such as location, off-campus commuter students, average number of students per class, and the extent of graduate programs all affect the cost per student.

Webb remains committed to providing each student with a full-tuition scholarship. In addition, alumni and other friends of Webb have funded a growing number of room and board scholarships that partially offset these costs for needy students. Revenues offsetting expenses are derived from the following sources: the Annual Fund consisting of unrestricted gifts under \$100,000 in size (30%), Room and Board fees (20%), and miscellaneous revenues (3%), with the remaining revenues coming from larger gifts and the endowment (47%). We fully recognize the importance of controlling expenditures in order to mitigate the draw on the endowment.

Over the period 1980-2008, Webb's operating expenses increased at an annualized rate of about 4.7% per year. This increase is consistent with the average expense growth rate for other colleges as new cost drivers, such as increased informational and technology infrastructure investments and higher costs related to government compliance, arose during these times. Beginning in 2009, we have limited growth in operating costs to less than 1.5% per annum. During this same period, the Commonfund Higher Education Price Index (HEPI) increased at an annualized rate of 2.0% per year.

We have managed to hold expenses flat (0% growth) for years 2013-2016. Salary and benefit growth during this four year averaged about 2.25% per annum but this was offset by reductions in other expenses. We have achieved these results through a series of measures designed to reduce costs without compromising our commitment to academics and student life. For example, we negotiated a 25% reduction in internet and phone services. Aided by our zero claims record for the last four years, insurance premiums have been reduced by 50%. Copying costs were cut in half by purchasing rather than leasing the copy machines and negotiating more favorable terms for maintenance. Transitioning all incandescent lighting to LED has lowered electric costs. We recently replaced the aging boilers and conventional hot water heaters in the Robinson Model Basin building to highly efficient condensing type boilers and instantaneous hot water heaters. Multiple bids are now required for all significant maintenance and renovation projects.

Some costs have increased. For example, we have increased spending on training and professional development of

faculty and staff. We have also increased spending on facilities, recognizing that our aging infrastructure needs constant care. In the last couple of years, new roofs have been installed on the library, Robinson Model Tank Building, Luckenbach Graduate Center, and the White House. Lenfest Gallery, the Visconti Reception Room, the student dining rooms, and the Livingston Library have all undergone significant renovations. We have initiated design efforts for installing a fire sprinkler system, upgrading the heating system, and renovating bathrooms and dormitories in Stevenson Taylor Hall.

Although we will not be able to maintain zero expense growth in future years, all departments at Webb remain diligent in their efforts to control costs as we continue to seek opportunities to grow revenues. Our commitment is to efficiently operate Webb while spending the resources needed to maintain Webb as a top-tier educational program. Reflecting upon the promising results from *Campaign for Webb* to date, we are excited about the opportunities for enhancing our facilities at Webb while building our endowment to ensure the financial sustainability of the Institute.



WEBB WELCOMES THE CLASS OF 2020

by Lauren Carballo, Director of Admissions and Student Affairs

- On Monday, August 15, 2016, Webb proudly welcomed 28 students from 14 different states and one foreign country to the Webb family. The 22 men and six women in the Class of 2020 were accepted to Webb from the largest and strongest applicant pool in Webb history!
- This unique class has brought with them positive energy, an eagerness to learn, and a variety of interests and experiences, including a shared passion for the water, made obvious by their involvement in sailing, scuba diving, crew, swimming, lifeguarding, and water polo. The Class of 2020 also shares a love of service and the great outdoors. Over a third of the freshman class have achieved Eagle Scout or Gold Award status prior to enrolling at Webb. Other interests include robotics, performing arts, research, and athletics!
- The students' energy as well as their willingness to try something new has quickly enhanced Webb's already vibrant classroom and campus lifestyle. The students have seamlessly integrated into Webb life, having already

taken advantage of Webb's extracurricular activities and events. Several members of the class have joined Webb's soccer, basketball, and sailing teams as well as the Student Jazz Band and the WooFs. Females in the class, along with the other females at Webb, have even been working together to start Webb's first-ever all-female basketball team. As a class, the freshmen have also assisted in planning and running campus events, such as the Halloween party and Fall Open House.

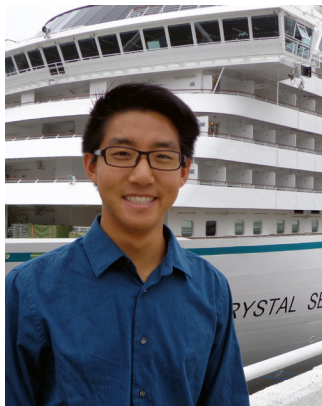
So far, the Class of 2020 has impressed the Webb community with its hardworking nature in the classroom as well as with how quickly they have bonded as a class, particularly during their two field trips this year to the Philly Shipyard and to *Crystal Serenity*.

Now they are back on campus, with one successful semester under their belts, and having worked at eleven different shipyards throughout the United States for their first Winter Work term. We look forward to the Spring Semester and hearing all about their experiences!

FRESHMEN SPOTLIGHTS

Freshmen Share Their Stories

Jonathan Wang



I grew up in Tianjin, China, which is the third busiest port in the world by cargo tonnage.

That said, although I did visit the port a few times and had my water-related activities every now and then, I never seriously considered studying boats until I heard about Webb.

I was homeschooled in China and upon finishing high school I decided to take the unconventional route and spend a year studying at a Bible school in England as a gap year. My gap year was a great experience to learn more about my faith, meet and make friends from all over the world, and mature as a person. I also got to explore a new part of the world which was awesome.

I was planning to study mechanical engineering originally but settled on Webb and naval architecture and marine engineering because I love the small size of Webb and the many opportunities Webb offers. Already I have built a successful plywood boat for Family Weekend, toured a cruise ship, and visited a shipyard. But best of all, I've started learning how to sail since coming to Webb and have enjoyed the wind and waves for several weekends already.



Jonathan's team stops for a quick photo before the Freshman Boat Race.

Mara DuVernois



I am from Menomonie, Wisconsin. During high school, I was involved in Science Olympiad.

In the summers, I traveled, attended a YMCA outdoor camp, and enjoyed some engineering opportunities.

A summer job as a teacher's assistant for Upward Bound's engineering-focused summer program led to an internship with the UW-Madison "IceCube" particle astrophysics neutrino experiment. Subsequently, I became an assistant teacher in UW-Madison's "Grandparents University," helping teach Arduino programming to grandparents and grandchildren.

Then, during a week-long YMCA sailing trip, I decided not to go to college. As we explored Lake Superior's Apostle Islands on a 37' boat, I wanted to stay on the water indefinitely. Instead of aiming for college, I intended to be on a boat, doing whatever job I could. Fortunately, I found Webb. With the double major here, my interest in engineering can support my love of being on the water.

I have enjoyed getting to know my classmates. I look forward to building those relationships and continuing to learn through classes and winter work experiences. Currently, I am researching offshore wind energy and its environmental impact, one of many components of the fascinating fields of naval architecture and marine engineering here at Webb.



Mara's team in action during the Freshman Boat Race on Family Weekend.



Bree Louie and Marshall Fettig painting their S-175 Stability Hull.

**Seaworthiness of an Autonomous Vessel:
An Investigation of Viscous Effects on a SWATH
in Roll-Inducing Waves**
Andrew Arnold & Ian Cho

A SWATH geometry has been designed to serve as the hull of an autonomous vessel. It must have an appropriately limited roll response for the wave profile it will encounter in order to satisfy its mission. Our thesis tests this hull design in its most unfavorable roll condition, with beam seas exciting a response over a range of encounter frequencies. The vessel is tested at zero forward speed in both Webb's Robinson Model Basin and the CFD program STAR-CCM+. In our experimentation, the vessel is free to move within six degrees of freedom so that measured responses are coupled and more accurately represent reality. The response equation is determined through these two methods, and the results are compared and interpreted.

**Modeling a Hydrogen-based, Renewable Energy
Storage System in MATLAB and Simulink**
Spenser Boyd

Renewable energy is becoming more common, but challenges exist in enabling renewables to become widespread and cost effective. Effective grid energy storage can relieve some of the challenges facing variable renewables and strengthen the grid as a whole. This thesis will design a hybrid hydrogen storage system and attempt to prove its feasibility through computer simulation and analysis in MATLAB/Simulink. The system will be modeled with realistic parameters, simulated under realistic operating conditions, and its performance evaluated. Additionally, a brief economic analysis will be performed to evaluate the feasibility of system implementation relative to other grid energy storage solutions.

**Effects of Varying Side-hull Spacing and Longitudinal
Stagger on Tri-SWACH Seakeeping**
Spencer Dugan & James Morrissey

This thesis performs a seakeeping analysis of the Tri-SWACH hull form with various longitudinal stagger and transverse spacing of the side-hulls. The objective of the thesis is to determine the optimal configuration of the side-hulls for seakeeping performance, specifically the vertical accelerations limited to motions in pitch and heave. The thesis also

involves the use of a potential flow code, WASIM, to simulate the model's response. The results of both analyses will be compared with NATO's Common Procedures for Seakeeping in the Ship Design Process to determine whether the model is compliant.

**Converting Vortex-Induced Vibration Into Useful Energy:
An Investigation of the Dynamics of a Self-Exciting
Elastically Mounted Foil**
Alexander Dzinbal, Joseph Gargiulo, & Ian Lawson

This thesis will develop a reliable apparatus for testing the dynamics of elastically-mounted foils in the Webb Flow Channel. The apparatus is a highly-configurable platform with interchangeable components that provides variable stiffness and damping in two degrees of freedom, heave and pitch. We will use the apparatus to analyze the ability of a blunt foil to convert vortex-induced vibrations into power by measuring the time history of heave and pitch motions across a range of operating conditions. Future theses will be able to adapt our apparatus for additional investigations of hydrodynamic properties.

**Comparing the Sensitivity of 3D-Printing and Additive
Manufacturing to Printing Orientation**
Ryan Fagan

This thesis aims to analyze the strength characteristics of 3D-printed and additive manufactured parts. The goal is to find which printing orientation produces the best strength properties in these pieces. Pieces will be made in each printing orientation, using both a plastic-based 3D-printer and a metal-based additive manufacturer which will then be tensile tested and compared to each other. Finite-element analysis models will also be used to verify test results. The objective of this thesis is to provide insight on the differences of these new manufacturing technologies and help facilitate future rapid prototyping.

**A Physical Model Comparison to HECSALV: Asymmetric
and Partial Flooding of an S-175 Stability Hull**
Wm. Marshall Fettig & Brianna Louie

The objective of this project is to design, build, and test an accurate, floodable, physical, damage-stability model for Webb use. This model will provide one of the major

components necessary for research in the field of damage stability. The model will be of adequate size to test in Webb's Robinson Model Basin or the Long Island Sound. The commercial damage stability software, HECSALV, produced by Herbert-ABS Software Solutions, will be used to model the vessel virtually and tune the physical model. This virtual model will also be made available to the Institute for use in future thesis work. Additionally, a thorough exploration of the survivability and hydrostatic responses of an S175 stability hull-form in various symmetric and asymmetric damage conditions will be undertaken. The intention of these experiments will be to verify the accuracy of the model when compared with the virtual ship model. The S175 stability hull in question was generously loaned to Webb Institute by the United States Naval Academy (USNA) Hydrodynamics Laboratory for this purpose.

The Design and Construction of a Multipurpose Autonomous Surface Vessel

Isaac Kremers

This thesis involves the development of a platform for Webb to be used for future Autonomous Surface Vessel (ASV) research and development. Factors that go into ASV design such as potential missions, navigational laws, range and endurance, stability, and vessel capabilities will be investigated. It is important that the vessel can be repurposed for future missions; therefore, a reasonable payload margin and configurable deck layout must be incorporated. Trade-offs between different designs will be analyzed. The vessel will have autonomous and operator-controlled functionality. Its control and navigation software will remain open-source for further development. The initial mission of the vessel will be to seek out oil spills in the Long Island Sound.

Numerical Analysis of Seakeeping Data on Planing Hulls: Using Artificial Neural Networks to Interpret Tank Data

Jonathan Roussin

This thesis investigates the application of artificial neural networks to seakeeping characteristics of planing hulls. Model test data were graciously provided by Donald L. Blount and Associates. The model testing program studied the effect of curvature in the after buttocks on the motions and accelerations of planing craft in irregular seas. Provided model data were interpolated and optimized using Neural Solutions software. The network architecture is optimized to improve trend fitting using Taguchi's Design of Experiment, which allows the neural network to be statistically optimized without testing all possible configurations of the network.

A Study on the Effects of Long-Term Exposure to Cold Temperatures on the Fracture Properties of High Strength Steel

Aaron Tam

The fracture of structural steel is one of the greatest concerns for ships and offshore structures operating in polar regions like the Arctic. This thesis examines the fracture properties of high strength steel from the Mobile Offshore Drilling Unit (MODU) Kulluk, an offshore structure that operated in the Arctic for 17 years. Data will be gathered from Kulluk steel samples through Charpy V-notch impact testing and microstructure analysis. The fracture properties will be determined, analyzed, and compared to the steel's initial properties to determine any change in fracture strength.

An Optimization of the Semi-Elliptical Catamaran Hull Form

Barr Turner Jr. & Hannah Wistort

The primary objective of this thesis is to optimize the semi-elliptical catamaran hull form developed by Professor Jacques Hadler in 2005. The semi-elliptical catamaran minimizes frictional resistance by utilizing semi-elliptical sections to form a hull with the lowest possible wetted surface area for a given volume. This thesis will determine the optimal length-to-beam and beam-to-draft ratios for this hull form. The optimization will be performed using AEGIR, a potential flow code program. Results of this computational testing will be compared to both systematic catamaran series and previous thesis work. Once a hull form with the optimum parameters is selected, a fiberglass model will be built and tested in Webb's Robinson Model Basin to verify computational results.

A Computational Fluid Dynamics Analysis of Vessel Squat in Shallow Water and Restricted Channels

Michael Imbesi

This thesis will investigate a series of anomalous squatting incidents in the Delaware Bay, where vessels seemed not to be acting as their squat tables would seem to indicate, specifically in the shipping channel. The aim is to use the potential flow code Aegir to try to determine a probable cause for this behavior. The study of shallow water squat is full of empirical approximations but has almost no actual data or theory to corroborate these approximations. The result is that the phenomenon's effects on ships are not well understood. For this reason, we are using Aegir to investigate these incidents.

Testing of a Ducted Propeller with Varied Nozzle Geometry

Alexander Bashkoff & Tim Siepmann

This thesis consists of building a structural modification for the existing Webb Propeller Boat to allow for a nozzle to be supported around a propeller. We will verify our model by using a duct and propeller that MARIN previously tested, and then we will vary the size of the nozzle, keeping the same Kaplan propeller to test for thrust efficiency. The structure is primarily aluminum, and the nozzles and propeller will be 3D-printed.

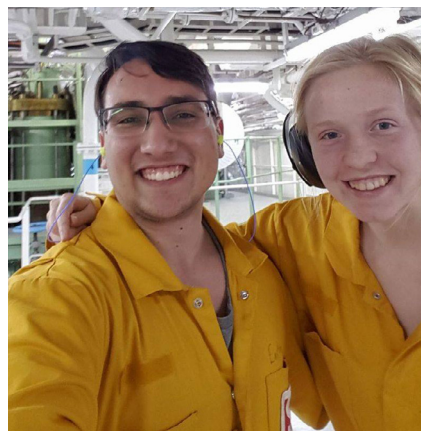


Alexander Bashkoff and Tim Siepmann working on their Webb propeller boat modifications.

WINTER WORK TERM

Our students spread out across the globe during this year's Winter Work Term. This program allows our students to have four unique hands-on learning experiences before graduation.

Be sure to check out a few of our students' Winter Work blogs and read their first-hand experiences at: <http://www.webb.edu/academics/winter-work/>



Above: Sophomores Easton Tilicki and Taylor Campbell learning the ropes at Stolt Tankers.



Class of 2017

Austal - Mobile, AL
BMT Designers & Planners - Alexandria, VA
Bristol Harbor Group, Inc. - Bristol, RI
Donjon Marine, Inc. - Hillside, NJ
General Dynamics Electric Boat - Groton, CT
Glosten, Inc. - Seattle, WA
Herbert-ABS Software Solutions LLC - Alameda, CA
Jensen Maritime Consultants - Seattle, WA
LiquidPiston, Inc. - Bloomfield, CT
Lloyd's Register - Trieste, Italy
Navatek Ltd. - Honolulu, HI
Navatek Ltd. - S. Kingstown, RI
Shipwright LLC - Ft. Lauderdale, FL
STX France - Saint-Nazaire, France
Webb Institute - Glen Cove, NY
Westport Shipyard - Port Angeles, WA

Class of 2019

Crowley Maritime - Jacksonville, FL
MaranGas Maritime - Athens, Greece
Maersk Lines, Ltd. - Norfolk, VA
Matson - Oakland, CA
McLaughlin Research Corp. - Middletown, RI
Stolt Tankers - Rotterdam, The Netherlands

Top: Sophomores Ashley Dias, Abishai Thomas, Muriel Weathers, and Will Wiley make a pit stop in Greece on their way to Antarctica.

Left: Gokce Gomec '18, Bree Louie '17, and Barr Turner '17 take a quick break in Paris during Winter Work Term.

Class of 2018

Alion Science & Technology - Alexandria, VA
Applied Physical Sciences Corp. - Groton, CT
Austal - Mobile, AL
Eagle Bulk Shipping, Inc. - Stamford, CT
Foss Maritime Company - Seattle, WA
General Dynamics NASSCO - San Diego, CA
Gilbert Associates, Inc. - Braintree, MA
Hammonia Reederei - Hamburg, Germany
Herbert Engineering Corp. - Alameda, CA
Incat Crowther - Lafayette, LA
The Interlake Steamship Company - Middleburg Heights, OH
Metal Shark Aluminum Boats, LLC - Lafayette, LA
Huntington Ingalls - Newport News, VA
SAFE Boats International, LLC - Tacoma, WA
Ship Architects, Inc. - Mobile, AL
Vard Marine, Inc. - Houston, TX

Class of 2020

Austal - Mobile, AL
Bay Ship & Yacht Co. - Alameda, CA
Bollinger Shipyard - Lockport, LA
Fincantieri Marinette Marine - Marinette, WI
General Dynamics Electric Boat - Quonset Point, RI
Metal Shark Aluminum Boats - Jeanerette, LA
M. Rybovich & Sons - Palm Beach Gardens, FL
Philly Shipyard - Philadelphia, PA
SAFE Boats International - Tacoma, WA
Vigor Fab - Ketchikan, AK & Portland, OR
Westport Yachts, LLC - Port Angeles & Westport, WA



Research at Webb

*Webb Research Department
Collaborates
with Navatek, LTD*

by Professor Rick Royce

The Webb Research Department has received \$180k for the time period between July 2016 and September 2017. These funds are split with \$70k toward our involvement with the Atlantic Center for the Innovative Design and Control of Small Ships (ACCeSS), and \$110k toward continuing work with the consortium headed by Navatek, LTD. Professors Daidola, Onas, and Royce are all actively involved with this research work.

The research is focused on two separate areas of interest to the Office of Naval Research (ONR). The ACCeSS-related research revolves around the Short Take-off Aviation Support Ship (STASS) concept. Professor Daidola and student research assistants Andrew Arnold '16 and Mike Imbesi '17 have been investigating designs of trimaran hull structures. In particular, they have applied ABS/Navy and Lloyd rules for trimaran structures. The various approaches have differences in comparison but there is a median of similarity. The detailed loading provided in the Lloyd's rules and the stresses in the structure are to be evaluated further through an analytical hydrodynamic and FEA medium. Professor Royce has generated a CFD model of

the STASS vessel in order to get full-scale estimates of the wake fractions in way of the propulsor(s).

The research associated with the Navatek consortium focuses on transom flow elevations. This effort seeks to parametrically model transom flows in order to improve potential flow simulations. The initial calm-water work was completed last year and was presented at the FAST 2015 conference. More recently, Professor Onas, with the help of Professor Royce, completed an initial study on the unsteady effects on the transom flow elevation due to head seas. This research was presented at the 2016 SNAME Annual Meeting. The ongoing research will focus on improved data capture and experimental methodologies related to transom flows.

A benefit of the collaboration with Navatek, LTD. was the recent donation of a wind tunnel. The wind tunnel arrived on campus early in the semester and will be commissioned during the spring semester. The test section for the wind is roughly 3' x 3' and 4' in length, and is capable of wind speeds on the order of 45 kts through the section. Navatek also provided instrumentation, including air lubricated bearings, as a part of this donation.

Finally, Professor Royce, with the help of Professor Onas, has been supervising a high school student's (Bryan Tucker of Harborfields High School) senior research project. Bryan is investigating the use of interceptors on trimaran calm-water resistance in Robinson Model Basin. Bryan will complete a test matrix including three different interceptor deployment depths at two different side-hull locations. This testing work should be completed during the Winter Work break.

Webb Hosts Fall Open House

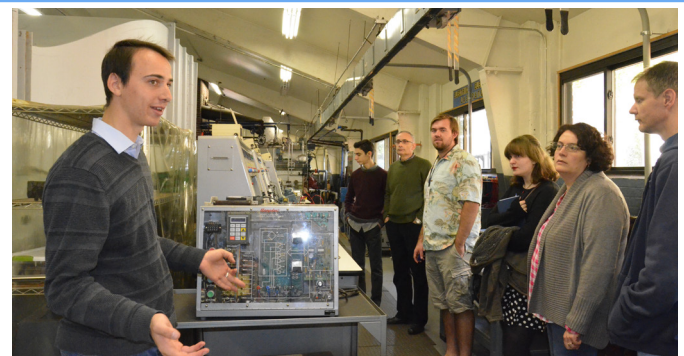
by Lauren Carballo & Taylor Adamczyk

On Saturday, October 29, 2016, over fifty high school students and their families traveled from across the country to Webb for our Annual Fall Open House.

To kick-off the festivities, our visitors were welcomed by President Michel and Dean Werner. Dean Werner's opening presentation, "Webb by the Numbers," displayed the many impressive statistics about Webb, including our 100% job placement rate, 8:1 student-to-faculty ratio, \$47,000 full-tuition scholarship and more. During the rest of the event, our faculty, students, and staff dedicated their time to showing our visitors the Webb that lies beyond our impressive numbers.

Current students, from freshmen to seniors, volunteered their time in conducting engaging campus tours, while members of our faculty ran demonstrations in the Robinson Model Tank, Haeberle Lab, and other laboratories.

Following the tours, visitors were treated to a "Student Panel," where a handful of our students spoke about their experiences at Webb, from Winter Work to extracurricular activities, and answered questions from the audience. This panel was a great experience for all our visitors, and based on positive feedback, will be repeated next year!



A presentation on Admissions and Financial Aid was also given by our Admissions Director, Lauren Carballo. Families had the opportunity to ask any remaining questions to a panel that consisted of Lauren, our Financial Aid Advisor, Josie Wilson, and Dean Matt Werner.

After the information sessions, our visitors spent the remainder of the open house mingling with our students, faculty, and staff while enjoying light refreshments.

The event received rave reviews! Families and students have been reaching out to us via email and social media to let us know how much they enjoyed their time on campus.

Webb would like to thank our students, faculty, administration, staff, Peggy and Keith Michel, and George Mouravieff (Parent-Alumni Association), for their efforts in making our Annual Fall Open House a great event!

Clinical Psychologist Joins the Webb Community

Improving Student Life by Providing Various Mental Health Services

by Taylor Adamczyk, Assistant Director of Media Relations & Communications



In response to the results of a recent Campus Climate Survey, Webb has brought on Clinical Psychologist, Michelle Stein for the 2016-2017 academic year.

Dr. Stein, who specializes in individual and group psychotherapy, joins the Webb community to assist with and improve the transition

of our Freshman class, provide a safe outlet for students to discuss personal matters, and to improve retention.

Dr. Stein, who is available on campus on a part-time basis, Tuesday and Thursday evenings, is currently offering the following mental health services per her conversations with the Leadership Committee at Webb:

- **Open Hours:** Dr. Stein has set aside three hours per week in which students can drop by or make appointments to speak with her on an individual basis.
- **Freshman Experience:** Dr. Stein is currently leading four groups of approximately seven Freshmen students in bi-weekly conversations. The session covers topics

ranging from time-management techniques, stress and anxiety, coping skills for dealing with the transition to college, mindfulness, individual or class concerns, etc. Participation in these groups is mandatory during the fall semester for all Freshmen, and voluntary in the Spring.

- **Weekly & Bi-Weekly Groups for Upperclassmen:**

Dr. Stein currently leads three groups in weekly or bi-weekly discussions. Student participation in these groups is voluntary. According to a recent survey, this has helped students deal with the stresses of life at Webb. 100% of participating upperclassmen have chosen to continue with such group sessions next semester, indicating what a success these groups have been thus far.

Over 50% of the student body at Webb say that they are utilizing at least one of Dr. Stein's services. Dr. Stein says, "I'm really impressed with the maturity of students at Webb to recognize the need for a psychologist as well as their willingness to fully engage in this new experience. I am thrilled to have joined the Webb Community, and hope my stay here will make a positive difference in the life of students at Webb!"

Webb is confident that these services will provide the support and guidance that our students need to remain focused on their rigorous academic program and to enjoy their experience on campus to the fullest.

Monday Lectures Series

by Taylor Adamczyk, Assistant Director of Media Relations & Communications

Webb's Monday Lecture Series aims to expand students' education in both technical and non-technical subject areas, and in the Fall 2016 Semester, speakers did that and more. This semester's lectures, which comprised of many Webb Alumni, ranged in topic from Polar Code to offshore wind turbines.

During each presentation, speakers provided stories about their real-world experience in the marine industry and beyond, as well as their time spent at Webb and how it has impacted their careers.

Following each lecture, students took advantage of the question-and-answer sessions with each speaker, as well as chatting with them one-on-one afterward to get some advice.

Some of the Fall 2016 Semester's speakers included: Josh McMinn '09 (ABS), Kierstin Del Valle '13 (CLIA),

Kevin Pearce '90 (Siemen's Energy Management), Lt. Alex Scott '10 (USN), and Corey Bruno '02 (Mercury).

All videos are available on Webb's Vimeo channel:
<https://vimeo.com/webbinstitute>



Kierstin Del Valle '13 speaks about the Polar Code.

New Faces on Campus

by Taylor Adamczyk
Assistant Director of Media Relations
& Communications



As you may have noticed, there are some new faces on campus. Development, Admissions, Communications, Culinary, and Student Affairs have all welcomed new members this year. Let's meet them!



Taylor Adamczyk

*Assistant Director of
Media Relations &
Communications*

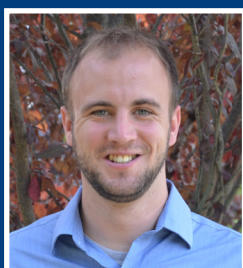
Taylor joined Webb's Communications Department in spring 2016. Prior to Webb, Taylor earned her B.A. at Adelphi University and has worked in New York State government and broadcast media. In her role, Taylor is responsible for handling Webb's public and media relations, social media, photography, video editing, and film crew requests.



Joseph Cascio

*Assistant Director of
Development—Annual Fund*

Joseph joined Webb's Development team this past August, 2016, bringing with him twenty years of hands-on experience in development consultation and fundraising. In his new position, Joseph will help support the overall operations of Webb's Alumni Fund, Parent Fund, and Parent of Alumni Fund. He will also assist with the *Campaign for Webb*.



Mike Malinowski

*Assistant Director of
Student Affairs &
Admissions*

Mike assumed the position of Assistant Director of Student Services and Admissions in summer 2016. Prior to Webb, Mike spent three years as a Coordinator of Campus Programs at Barry University in Miami Shores, Florida, while obtaining his Master of Science in Organizational Learning and Leadership. In his new role, Mike assists our new Admissions Director, Lauren Carballo, with recruitment efforts, residential life, and student activities.



Chef Robert Weiner

*Food Service Director
FLIK Catering Services*

Chef Rob assumed the role of Webb's Food Service Director in late October 2016, replacing Chef Joe.

He comes to Webb with several years of experience working with Flik Dining. Chef Rob is excited to be working at Webb, as he has always been enamored with our campus.

Webbies Get Exclusive Tour of The Block Island Wind Farm

by Will Harris '19

On October 16, 2016, Webb students and faculty visited the Block Island Wind Farm, the first commercial offshore windfarm in the United States. The trip was organized and sponsored by Mr. Greg Matzat '89, who chartered a ferry to take students from Montauk to Block Island.

While the ferry sailed around the turbines, students got the chance to talk to Mr. Clint Plummer, the Vice President of Development at Deepwater Wind. Mr. Plummer gave an overview of the turbines' operation, installation, and the design process involved in establishing the installation. Afterwards, the students disembarked to tour the substation on Block Island. This is where the power from the turbines is redistributed into the local electrical grid.

Students then visited the beach to see how the turbines have affected the local scenery. Many were surprised to learn how effectively Deepwater Wind concealed the cables. Afterwards, everyone boarded the ferry and traveled back to Montauk, where several students visited the Montauk Lighthouse.

The trip to the Block Island Wind Farm was a very positive educational experience, which allowed students to learn about concepts not typically discussed during classes.

We would like to thank both Mr. Matzat and Mr. Plummer for organizing and leading this great event.



A large portion of the student body was present for the Wind Farm and Montauk Point Lighthouse tours.

Message from the S.O. President

Vinnie Commisso '18
Student Organization President



Another semester flew by as the warm summer air turned into the brisk winter chill. As the days grew shorter and the nights grew longer (in the classroom), we still found many outlets for some fun. In August, the freshmen were warmly welcomed during a week of exciting activities. They are all bright individuals with great passion and character. The freshmen debuted their talent by hosting the Halloween party, which was a great time! Casino Night is also back, and students won big playing black jack, roulette, and Texas hold 'em. Prizes of the night included \$150 in gift cards, beach chairs, a sled, and a ham! One unique event was a Sunday trip to tour the Block Island Wind Farm. The tour was a great educational experience, as we marveled at the five, 6 MW turbines.

Despite a winless soccer season, we are the proud recipient of the NYMISOA Sportsmanship Award! The organization specifically mentioned the "kids on the hill" and "the funny guy running around the field with the (school) flag." Big-boat sailing has been increasing in popularity and competitiveness among students. Webb's new rowing team also had their first meet this semester! Aside from sports, Webbies are also making strides in community

involvement. We are continuing our great relationship with Brooklyn Boatworks, where Webb students help middle school children build wooden Opti's to sail in the East River. The Leadership Committee has also hosted another successful Engineering Day.

Even with all these entertaining outlets, academics are moving along as well. The freshmen have been assigned their hand-drawn lines project as they learn how to pronounce "forecastle." The sophomores are getting their taste of thermodynamics and CAD. The juniors are enjoying the "light" semester, as we learn about vibrations and COGAS systems. Lastly, the seniors are sinking in ship design, and seakeeping, and engineering economics, and ship propulsion systems, and their containerships.

Students are excited about Winter Work and working only 40-hour weeks as we explore the world. Locations include Florida, California, Alaska, Hawaii, Germany, France, and wherever the sophomores' ships take them!

I'll end off by saying that I'm proud of the S.O. and student body for all that we have done so far. I look forward to continuing our progress into the Spring Semester!



Vinnie passing out prizes during Webb's third Annual Engineering Day.



Vinnie assisting students during the chemical engineering class, where students create their own green goo!

Campus News



Webbies Making a Difference

A Semester of Giving Back

The Webb family was hard at work during the 2016 Fall Semester, serving their community. The semester kicked off with the St. John's Fair, an event many students volunteered their time to running. Later that month, Webb students visited the Welwyn beach and repainted the wall that had been covered in graffiti.

In November, Webbies visited the Theodore Roosevelt Sanctuary and Audubon Center in Oyster Bay where they helped remove almost 850 pounds of English Ivy. A few weeks later, Webb hosted one of its biggest events of the year, Engineering Day. On Engineering Day, about 70 4th – 6th grade students came to Webb to learn about four types of engineering: civil, aerospace, chemical, and naval architecture. The event was a huge success, and one that we hope to continue for years to come.

This December a group of students brought some holiday cheer to the folks at the Glen Cove Senior Center by singing Christmas carols (pictured to the right). Students also organized another successful Toy Drive. All toys were donated to the Salvation Army in accordance with their



Christmas Assistance Program that brings holiday cheer to underprivileged families.

With another successful fall semester of community service in the past, Webb students are now starting to plan for community service events for Spring!

- Ashley Dias '19

SWE Conference

Women of Webb Represent at Philadelphia Conference

At the end of October, 2016, the annual Society of Women Engineers (SWE) conference was held in Philadelphia.

This year Bree Louie '17, Megan Green '18, and Sarah Stretch '19 went to the conference. Over the three days, they attended many interesting talks, ranging from managing money, the internet of things, and panels of professionals. For lunch they had the good luck to visit Redding Terminal next to the conference center, a market that was filled with lots of tasty food options.

Each day was long and tiring but ultimately filled with lots of fun and learning. Special thanks to Webb for helping to make our attendance to this conference possible!

- Megan Green '18



Megan Green '18 and Sarah Stretch '19 at the SWE Conference. Photo courtesy of the Society for Women Engineers.



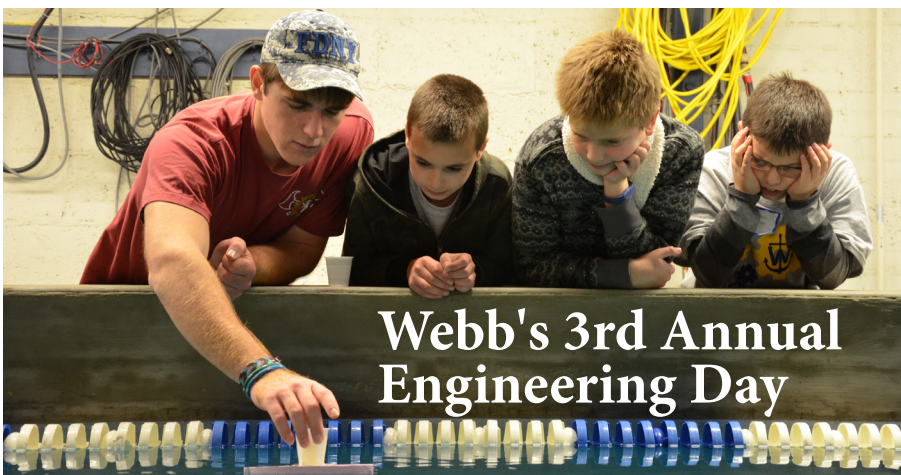
SoCo Events: *Fun Filled Fall*

This semester we had many events both on and off campus. Off campus we had a trip to New York City, the Renaissance Faire, a West Point football game, a Jets game at the Glen Cove Mansion, a Yankee game, a bookstore crawl around Manhattan, the Brooklyn flea market, and a viewing of *Doctor Strange*. Each was hosted by different

students who had a passion for that event. On campus, we had a welcome back bonfire, a class vs. class party, baking with Peggy Michel, field day, the Halloween party hosted by the freshman class and Casino Night hosted by the senior class. The Social Committee team has been working hard to make sure all students enjoy and feel included in events.

We've had a great semester and are looking forward to the rest of the year.

- Bree Louie '17



The Leadership Committee had many successful endeavors this semester, the biggest of which was Engineering Day. On November 13th, 2016, Webb held its third annual Engineering Day. This is a day where students from the surrounding area can sign up to attend a fun filled day of engineering-related challenges in order to deepen their interests in the sciences.

In continuation with the previous trend, this was Webb's largest engineering day to date; a total of 74 students grades 4-6 showed up to explore their interests. Volunteers from the school organized four challenges for them in civil engineering, aerospace engineering, chemical engineering, and, of course, naval architecture. The civil engineering activity consisted of having the students build a paper bridge in small groups in an attempt to hold the largest amount of weight. In the aerospace engineering activity, things got a little messy as students designed and tested

egg drop containers. The cleanliness didn't improve in the chemical engineering station, where students explored non-Newtonian fluids and viscosity with different types of slime. In the traditional ode to William Webb, students in the naval architecture activity explored the effects of waterplane areas on hull stability by ballasting a foam model in the wave tank.

The attending students showed excitement during the entire day and many displayed an interest in attending again next year. With any luck, these activities will have a deep and lasting impact on helping to develop the engineers of tomorrow, as per the mission of William Webb.

Thank you to the entire Webb community for their time and support of this annual event.

- Blake Loncharich '19

Athletics

Webb's Soccer Team Wins Sportsmanship Award



The Webb Soccer Team had yet another exciting season in fall 2016. Despite finishing 0-8, the team improved tremendously throughout the season. The upcoming years are looking promising for the team thanks to some impressive newcomers, including Max Pierce '20, Brandon Wui '20, Tommy Linden '20, Harrison Tack '20, and Galen Ng '20.

Despite not winning any games, the team did win the prestigious Men's 4-Year College Sportsmanship award! This prize is awarded to the team that

displayed outstanding sportsmanship towards officials and opponents throughout the course of the season. It was awarded to Webb by the New York Metro Intercollegiate Soccer Officials Association (NYMISOA).

A special thanks to Coach Phil Schools for his continued dedication to the Webb Soccer Program, and to the team's loyal fan base for their enthusiasm and support.

- Ryan Chozick '18

Field Day Fall 2016:

Classes Clash in Fall Competition

On October 28, 2016, Webb held its Third Biannual Field Day. Despite the wind and chill, the events took place on the scenic first terrace behind Stevenson Taylor Hall. During the competition, Webb students competed in several fun activities, including tug-o-war, musical chairs, and a lawn games relay.

Special thanks to Jon Hale '18, Chase Geschwilm '18, Tommy Linden '20, and Max Haland '20 for all their help in planning and running the events and making Field Day a continuing success.

- Ryan Chozick '18



Isaac Kremers '17 and Vinnie Commisso '18 shake hands after a brutal game of musical chairs.



Webbies Dabble in Offshore Sailing

This past fall Webb sailors expanded their horizons with a significant amount of offshore sailing. The season kicked off with the Stanford Denmark race aboard Professor Richard Royce's Tripp 33, *Patience*. Some of the less experienced sailors had the opportunity to see what keelboat sailing was all about with a wide range of conditions.

Following the Stanford Denmark race, Webb sailors had the opportunity to switch boats, upgrading to a high-performance race boat called *Desperado*. *Desperado* is a recently modified J120 which has a new stern, widened hull, bowsprit, Farr 40 rig, deeper keel, and high performance sails. Webbies sailed onboard *Desperado* for both the American Fall Series and the Manhasset Fall series. After working out some kinks in crew work and finding the sweet spot for sailing the mostly untested boat, Webbies took third at Manhasset. Webbies enjoyed the challenge of racing a high-performance boat and learning from the professional crew about everything from tuning to maintenance to tactics. Special thanks to the boat owners George Petrides and Hunt Lawrence for this unique opportunity.

The highlight of Webb's offshore season came during Columbus Day weekend at the Intercollegiate Offshore Regatta in

Larchmont, NY. Ten Webbies sailed a Farr 40 generously lent to us by Oakcliff Sailing Center. Throughout the event, it was clear that Webb sailors were well prepared with a calm boat and fantastic boat speed. Over five races, Webb accumulated 13 points. On day two, we had a rigging failure in the first race and narrowly avoided losing our mast. Redress was granted and we were given our average score. Webb finished second in IRC out of nine boats. Fun was had by all and Webb sailors are looking forward to this event next year. Plans for the spring include the American Fall Series, Edlu race, Block Island Race, and a few more in the works.

- Thomas Hickey '18



2016 Webb Basketball Season



Webb's Basketball team had some tough competition during the 2016 season. Though the team went without a victory, ending the season 0-7, they played some great games and gave their competitors a run for their money.

This season's top point scorers were, Ryan Chozick '18, Andrew Pidduck '19, Benjamin Lee '19, and Abishai Thomas '19. Good news for the team, they will all be returning next season!

This season the team welcomed freshmen, Duane Lee, Harrison Tack, Mike DeNapoli, and Audra Milbitz.

The 2016 season was also the last for the team's Seniors, Captain Ryan Fagan, Spencer Dugan, Ian Cho, and Tim Siepmann. They will be missed!

With some great veteran players, and a few new ones, a future Webb basketball victory is not far off! Thanks to Coach Primeggia for his continued enthusiasm and passion for the game.

- Taylor Adamczyk

Webb Alumni Association Report:

Webb Prepares for Changes in the Marine Industry

The marine industry and Webb are approaching major transformations, and it is great to see the Webb community taking an active role by being proactive, thoughtful, and practical.

The industry is approaching its next big revolution that is every bit as big as the changes from wood-to-iron or sail-to-steam. This time, it is “connected” and it relates to a combination of technology, operations, and the nature of trade itself. This transformation will demand better and more cross-disciplined engineering than in the past. It will demand practicality. These demands naturally suit Webbies, and we can see many current students and recent graduates anticipating the industry change ahead of the industry. The older graduates are receptive to the shift and are already lending that sense of “experience” to the mix and opening doors for the new generation.

Webb itself is evaluating several proposals for new academic buildings in an effort to transform the campus to support the students of tomorrow. Thanks to all alumni who have commented on the work to date. It means a lot to the college to get the feedback and buy-in. The feedback has improved the results.

The Alumni Association is establishing a mentoring program between the upper classmen and alumni. It is our aim to have the mentor/mentee relationships established prior to the completion of Winter Work in February 2017.

The Alumni Association is also establishing more regional events than in past years, initially in the major alumni centers such as New York, DC Metro, Houston, and Seattle. Anything anywhere is a positive, even if it is a few alumni kicking back on the front porch on a Friday evening.

We would like to thank Gailmarie Sujecki, Kerri Allegretta, Shanna Hamilton, and Anthony Zic for everything they do in assisting the Alumni Association.

We are always looking for ideas and assistance in ways that suits the contributor. If you would like to contribute ideas and effort to the Alumni Association, let us know.



Peter Wallace '93
President of the Webb Alumni Association

WAA Executive Committee

Peter K. Wallace '93
President

Ian Mutnick '96
Vice President

Ted Dickenson '92
Secretary

Vicky Dlugokecki '88
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Chairman, Alumni Fund

Joe Cuneo '57
Chairman, Campaign for Webb

Jennifer Kollmer '91
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Matthew R. Werner '95, PG'97
Historian

Spencer Schilling '82
Member at Large

Joe Signorelli '54
Member at Large

Anthony Urbanelli '75
Member at Large

Steve Pagan '88
Audit Committee

Richard Kim '11
Audit Committee

Mike Abbruscato '11
Nominating Committee

Mike Hutchings '95
Nominating Committee

Woodlawn Tour & Webb Bronx Site Visit

by Jay Carson '73



Ever wonder what the Webb sites in the Bronx look like today? Join us on Sunday, May 21, 2017 for a visit to two important vestiges of our common past, the location of Webb's Academy & Home for Shipbuilders and the recently restored Webb Family Mausoleum at The Woodlawn Cemetery.

We will depart from Webb Institute in Glen Cove after breakfast, traveling in Webb vans to the former site of Webb Institute of Naval Architecture in the Bronx for a quick tour of the site of the old school. While the school buildings were demolished in the late 1940s following sale to a developer, we can gain a sense of the Grand Concourse and this historic neighborhood with its views over the Harlem River.

Woodlawn Cemetery is a beautiful site, with both great landscape for a fine Spring day and memorable architecture and history. After a short drive, we will then visit The Woodlawn Cemetery where we will have a guided tour of this important National Historic Monument site, which includes the resting place and monuments for Adm. Farragut, Cornelius Delameter (one of the builders of Civil War monitors), and Webb's shipbuilding customers. We will then see memorials for notable New York industrialists including the chapel donated by F. W. Woolworth, the Gates mausoleum for the founder of Texaco, the tomb of John Gould, and the Webb circle of W. Seward Webb's family, distant cousins of William H. Webb. Ms. Susan Olsen, Director of History at The Woodlawn Conservancy, will open the recently cleaned and repointed Webb Family Mausoleum. We will see the fine bas relief

depicting William H. Webb and his wife Henrietta, as well as the Tiffany art glass windows and bronze doors of the tomb. Jay Carson will offer a brief discussion of the family members interred in the Webb Mausoleum, including the missing member of the family buried in Newark. The visit will conclude with a visit to the Stevenson Taylor family plot.

We will relocate to the nearby Rambling House, an Irish pub with a reputation for fine food and service for a buffet luncheon. While lunch is served, two brief presentations will be offered. Ms. Olsen will discuss the Woodlawn Preservation Training Program, a notable community outreach and apprentice project that was responsible for restoration of the Webb Mausoleum. Jay Carson will trace the history of the Webb family from the Crusades to their immigration from Stratford-on-Avon with the Winthrop Fleet, through the Revolutionary War, and the War of 1812. We will return by van to Webb Institute in Glen Cove after lunch.

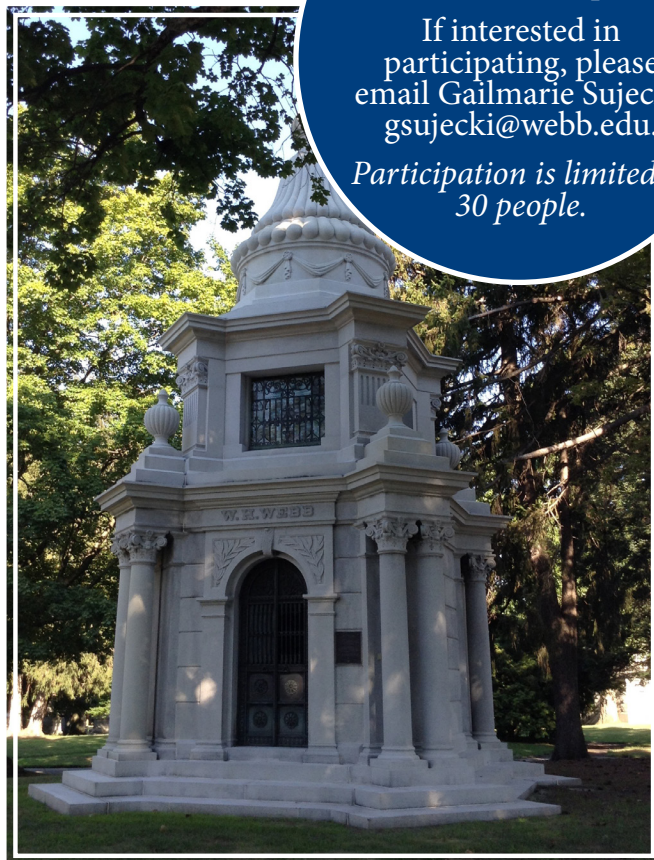
The price of this excursion is \$30 per person, lunch included, with non-alcoholic beverages.

This excursion is sponsored by the Fine Arts Committee of the Webb Institute Board of Trustees. Sincere thanks go to John Costello for his efforts to arrange conservation and to Matthew Fox '04, Jay Carson '73, John Malone '71, James Royle Jr '66, and Gene Schorsch '52 for their financial contributions.

Sunday, May 21, 2017,
depart at 8:30 am and
return at 2:30 pm.

If interested in
participating, please
email Gailmarie Szejcki,
gszejcki@webb.edu.

Participation is limited to
30 people.



Naval Architect --- Turned Paper Engineer



After graduating from Webb in 2009, I pursued a master's degree at MIT in Computation

for Design and Optimization, hoping to learn how to harness the power of technology to create better ship designs without having to build them one at a time. I learned a great deal about Greek symbols, linear algebra, and most importantly, how difficult it is to sum up real-world problems as a system of equations. While at MIT I worked with ABS and the folks at SeaRiver Maritime (ExxonMobil) on building a logistics system for offshore vessels and employing it to attempt to predict future trends in offshore support vessel design. As a lucky coincidence, I met a professional management consultant and fell in love with his job of helping managers identify their biggest challenges and influencing others in their organization to make positive changes. I was incredibly surprised to learn that there is an entire profession dedicated to this and that I could get a job doing that.

---Whirlwind World Tour as a Consultant---

Immediately after MIT, I joined McKinsey & Company, a global management-consulting firm, where I focused on oil & gas and maritime projects, traveling from London to Chile to Australia, always working on incredibly interesting projects with passionate, intelligent people. I learned about large-scale safety and process transformations, due diligence for big mergers and acquisitions, how to drive revenue growth in stagnant industries, and operational efficiency improvement. While I love engineering, I really felt alive in McKinsey's intense environment of challenging deadlines and holistic approach to problem-solving that merged hard core engineering with business problems, and

people and management challenges. It felt like I was back at Webb with unbelievable amounts of homework due every day and a room full of smart people to help get through it all.

---From Ship Building to Business Building---

In late 2012, I got a call from my '09 classmate and best friend John Wise, who had just been accepted to the MBA program at Harvard Business School. John had been working for Webbies, Chris Allard '04 and Matt Unger '04 at Metal Shark Boats building their engineering team and designing boats for the Coast Guard and Navy, including the winning bid for the USCG Response Boat Small (a \$190m contract). John and I had always thought about starting a business, and we decided I should try to join him at business school so we could start something together. Eight months later we started HBS together and began dreaming up a series of terrible business ideas that included at one point a hydroponic fish and lettuce farm.

---The Beginning of Lovepop---

Six months into business school, John and I found ourselves on a global immersion program in Vietnam. I was working for an online dating app, and John was working for a radio station. One night, we came upon incredible artistic paper sculptures at a market in Ho Chi Minh City. We fell in love and started arguing about who discovered them first and who would be allowed to use them for his own personal stationery. We also immediately connected the technique to our ship design training. The style of sliceform is almost identical to how ship's lines plans are developed.

After arriving back in the states, we shared the concept with our classmates, friends, and family. We were blown away by the reaction. Everyone had someone special to give a



Last December, Lovepop took part in Santa's Magic, a program that sends Holiday greetings to hospitalized and aging veterans. Photo courtesy of Lovepop.

Lovepop to. After a couple months of experimentation, we launched a website, built a Kickstarter campaign, created our first set of designs, and built the very beginnings of Lovepop. John's background using 3D design software at Metal Shark Boats and realizing those designs with a computer-controlled cutting table translated very well into designing cards in 3D and cutting paper on a laser cutter.

Several months later we opened our first retail location in South Station, with fellow Webbie Colin Spillane '13 crashing on our couch and working 15-hour days in the freezing cold while John flew to Vietnam and opened our first production facility. We got a huge break in December last year when we had the opportunity to pitch our business on *Shark Tank* and secured an investment from Mr. Wonderful Kevin O'Leary.

---Lovepop Today---

Today, Lovepop has over 150,000 customers, 200+ designs, and over 200 employees worldwide. Despite an increasingly paperless society, we are seeing an increased demand and love for our paper cards. We just closed a financing for \$6m to help launch a wedding invitation platform early next year in response to intense customer demand.

But what I love most is to come into work and see the passionate team that we have working on bringing our unique 3D designs to the world. Everyone has a different passion. For some it is the stories our customers send us about how they are using Lovepop to share an emotional moment with someone close to them. For others it's a love for creating magical paper art. And for others it's the challenge of integrating hard-core engineering with aesthetics in a way that solves our customers' needs.

---Why I Believe Webb is so Special---

Every day in our business, we are forced to make trade-offs involving many disciplines. Our design spiral includes color palette, material selection, sculpture design, sculpture engineering, and customer use case in place of lines, machinery, seakeeping, and structures, but the concept is



Webbies Kevin Prichard '18, Bree Louie '17, Ilya Mouravieff '16, and Nicholas Ratinaud '17 sharing Lovepop cards.

the same. I believe that Webb is a community of people dedicated to a way of thinking and a way of learning that combines hardcore engineering disciplines with a design-minded holistic approach to problem-solving involving business and customer needs as well as people and time management. But it's more than that. It's also a community dedicated to a higher ideal, creating opportunity for young people to get a great practical education that gives them the freedom to immediately become contributing members of our society. I feel like the community we are building at Lovepop, dedicated to helping people show their gratitude for others with mini marvels of art and engineering, is similar in so many ways to the Webb family I'm a part of. I'm very proud of my Webb family and what it stands for, and I am actively involved with the school as a trustee and chair of the Communications Committee.

I am forever grateful to Webb for the problem-solving skills and work ethic I learned, and I hope to do my part to help tell Webb's story to more of the world and get more people involved in the Webb community. And, if you are ever passing through Boston, drop me a line, and pick up a card at Lovepop HQ!



Wombi with John Wise '09, promoting Lovepop in San Francisco. Photo courtesy of Lovepop.



David Lawson '55 - His Legacy

by Mary Hutchings

Photo courtesy of Craig Butler.

The Lawson family has been a part of the Chautauqua Lake community for several generations, more specifically in Bemus Point. Dave Lawson, Jr. lives in Bemus Point today and is an important part of the community—especially the Lawson Boating Heritage Center—also known as The Lawson Center, in the center of Bemus Point. Dave donated the building and site where The Lawson Center sits today. He also continues to operate L-S Aero Marine, Inc. in Jamestown, NY, where he has a marina and restores boats. Dave is a tall, slim man who is quiet and unassuming, but once you get him to open up about his life, you find that he is a man with incredible knowledge and a very mechanical mind, and a big heart.

Family History

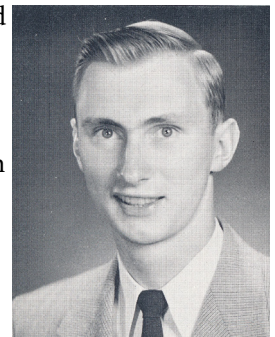
David Lawson, Sr. purchased the 19th-century house at 73 Lakeside Drive in 1918. About 1920, Dave Sr. built on the lakeside and had a boat building shop on the top floor with boat storage below. He expanded with another boat and marina business in Jamestown beginning in 1929. However, the Lawson Boat and Engine Co. on Lakeside Dr. continued to service and store automobiles at the street level and boats at the lake level. In 1930, Dave Sr. expanded his business in a partnership with Ralph Sheldon, Jr. and continued to build and sell quality boats as L-S Aero Marine. In 1947, the old building on Lakeside Dr. was razed, and a new building was constructed to support the growing sales. That building is still there today and is the home of The Lawson Center.

During this time of business expansion, Dave Sr. married Margaret Boak, a school teacher in Jamestown and Ellery, in 1927; their daughter Jean was born in 1928, and their son Dave Jr. was born in 1933. Dave Jr. and Jean were very involved with the business and eventually took over operations. Dave Sr. continued working until three years before his death in 1971, and Margaret was the bookkeeper until her death in 1985. The family was a unit that operated the business, but Jean was a woman of accomplishment in gardening and journalism as well. She graduated from Bemus Point High School in 1946 and graduated from Cornell University School of Journalism and Floriculture in 1950. She was employed by Cornell University Alumni News, but then became the garden editor of “Flower Grower” magazine and “House Beautiful”

magazine in New York City. Jean was the youngest editor of “House Beautiful” and received awards for outstanding gardening journalism, including a distinguished award from the Secretary of Agriculture. Although city life was exciting and Jean’s career flourished, she returned home to operate the L-S Aero Marine business with her family. Jean then ran the business until her death in 2000.

Dave Lawson Jr. – The Man

Dave grew up with boats all around him—even at home. His father, however, wanted his children to have the education he didn’t have. Jean pursued a college education, which was not common for women of the time. Dave’s dad steered him toward a college education too. Dave happened to see an article in his senior year of high school about Webb. He decided that was something that would be a career path he would like—combining the family interest in boats and the desire for a strong education. Dave was an excellent high school student and was accepted to Webb. As a part of the Webb education, students were required to work for ten weeks of each year in industry. During one of those assignments, Dave worked at the Chris-Craft plant in Algonac, where he learned how to assemble the keel, stem, stringers, and frames and then fit and fasten the side planking. He also assisted in making the patterns for the side planking of a 34-foot Capitan. His education and experience was invaluable training for his boat restoration business.



David in the 1955 Webb Binnacle.

As an aside, Dave won a four varsity keys (the highest award given at Webb for participation in sports) for his role on the basketball team for the four years he was in school. Immediately upon graduation from Webb, Dave was commissioned as an Ensign, USNR in 1955. Dave’s Navy career lasted 31 years: three years in active service and 28 years in the reserves. Dave had many assignments while in active service, including San Diego with Amphibious Indoctrination School, San Francisco for ABC Warfare School (Atomic, Biological and Chemical), Seattle

and Alaska supporting the Air Force Distant Early Warning Stations. Dave ultimately ended up as the Engineering Officer on the USS *Long Beach*, an assignment he got while still an ensign. Dave ended his active navy career as a Lieutenant JG in charge of the USS *Long Beach* overhaul. As a reservist Dave served in Jamestown, Philadelphia, Cleveland, and Pittsburgh. Dave returned to Jamestown upon leaving active service. He worked with his parents and sister in the boating business. The business would operate out of Bemus Point in the summer season and Jamestown in the off season, September through May. It was a full service business for boats—boat restoration, including painting and refinishing, and engine repairs and replacements. The family and their staff would handle up to 225 boats during the off season, making sure the owners could operate the boats during the short summer season.

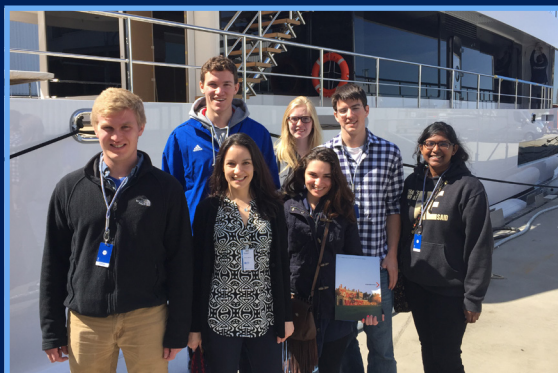
Dave and Jean continued to operate both the Bemus Point and Jamestown locations after their parents died. Once Jean died, Dave operated only out of the Jamestown location. The Bemus Point location was empty until a group of enterprising men decided that it would make a great location for a museum. Dave agreed it was a good use for the building that was dormant and donated the building and site to The Lawson Center. The Lawson Center focuses on the Chautauqua Lake boating heritage, a perfect match for Dave, as he has spent his life working on and surrounded by boats. The Lawson Center opened in May 2016 for its fifth summer. Dave Lawson is a staple at the museum. He is full of the history of the town and the boats that are in the building. His knowledge is sought after when it comes to engine repair and boat restoration. He still has the Jamestown marina and does some restoration work there, but also works in the museum boat shop restoring boats on his own and helping others.

Dave has been a part of prosperous business for over sixty years. He has made many friends in his life because he is a genuine man who many love. He continues to help others and loves to share his knowledge. He has said he has few regrets, one being that his parents and sister are not alive to see that their legacy and his will continue for years to come as The Lawson Center.



The Lawson Center Museum, made possible through a generous donation by David Lawson '55. Visit www.thelawsoncenter.org for more information. Photograph by Arlene Bonnett.

Introducing: The Webb Alumni Mentoring Program



Students during their Dutch Maritime Tour with Leah Sosa '08.

In the 2017 Spring Semester, the WAA will be introducing the Webb Alumni Mentoring program (or WAM!). The program will begin for the senior class in March 2017, with potential to grow to the whole student population in future iterations. Its purpose will be to garner ties between the students and alumni, help prepare the students, and act as a sounding board for their career and educational choices graduating from Webb.

After gathering alumni and student surveys, information will be reviewed to help make the most successful connections between students and alumni, facilitating a strong start to each mentor/mentee relationship.

***Stay tuned for more updates
on how WAM! is going!***



Students take a tour of Quantum of the Seas with Andy Lachtman '11 and Kierstin Del Valle '13.

If you missed the email with the survey or have any questions, please contact:
Sean Murphy '13 at: spmrphy@gmail.com



Alumni News In Memoriam



1951
Captain Alfred Kurzenhauser, USN (Ret.), passed away on Oct 31, 2016, in Portland, OR. Al excelled in life early, attended the famed Bronx High School of

Science, graduating at age 16, then on to the City College of New York before accepting a full scholarship to Webb. He worked in industry for two years before seeking travel and excitement in the US Navy. During his time in the Navy, he graduated from Naval Postgraduate School in Monterey, CA (1961) with a master's in Naval Architecture, and was awarded a master's in Public Administration from George Washington University in 1973.

During his naval career, Al was stationed in San Diego, and in 1954 he married Stella Maxine Lambros whom he met through their shared interest in sailing. She was also a naval officer serving as a Navy Nurse and Anesthetist. Stella always reminded us that she outranked him when they got married.

Al served aboard several ships for short deployments, then as Engineering Division Officer aboard the USS *Regulus* (AF-57) in the early '60s in the Pacific, and as Chief Engineer aboard USS *Midway* (CV-41) on Yankee station during the Vietnam War. He also was Superintendent of Shipbuilding at Subic Bay Navy Yard in the early 1960s, then Navy Superintendent of Shipbuilding to Newport News Shipbuilding and Drydock Co. in the mid-1960s. Re-stationed to Alexandria VA in 1971, he took over management of a ship acquisition program under Naval Sea Systems Command until 1975. The Navy assigned him as Production Officer at Norfolk Naval Shipyard, and in 1977 he was promoted to Shipyard Commander with over 13,000 employees under his command—the largest employer in VA, and the largest naval shipyard in the free world at that time. He retired from

the Navy as a Captain in August 1980 after 28 years of active duty.

After all that, he was unable to sit still and enjoy retirement, so with some gentle encouragement from his wife ("Al, go get a job and get out of the house!"), he moved to St. Louis to take on managing St. Louis Ship for two years. Stella and Al then moved to Tampa, FL, and he took the leadership of Tampa Ship. After several years at Tampa Ship, he decided instead to turn to his father's ancient profession of printing, and started a printing business in Tampa. Even that wasn't enough to contain his energy, so as the regional representative of the American Society of Mechanical Engineers, he initiated several projects for ASME to attract and develop young engineers. These projects segued into an opportunity to run for, and then serve as, one of the Governors of the ASME.

After finally retiring again in 2009, he and Stella moved to San Francisco. She passed away soon thereafter. Al made his final move to a retirement community in Portland, OR, to be near one of his sons. He was surrounded by his family in his final days, and he leaves behind four sons and their wives, and nine energetic grandchildren.

PG 1966

Commander William I. Milwee, Jr., USN (Ret.), passed away on August 17, 2016, at the age of 79 in Clearwater, FL. Always drawn to the military, even as a child, Bill attended Marion Military Institute for one year prior to his appointment to the Naval Academy Class of 1959.

Bill's first billet after graduation was as the USS *Twining's* (DD540) Engineering Officer, where he served until 1963 when he was selected to attend Webb. After earning a master's degree from Webb, he served as Ship Superintendent at the Long Beach Naval Shipyard and then went to Vietnam as Salvage Engineer and Maintenance Officer of the Harbor Clearance Unit One team of divers and salvors. During his tour in Washington, DC, as an Engineering

Duty Officer in the Supervisor of Salvage Office, he was also Supervisor of Diving and Officer-In-Charge of the Navy Experimental Diving Unit. From 1973-77 he was the Pacific Fleet Salvage Officer, and then retired from his last position as Repair Officer at the Long Beach Naval Shipyard, in 1979.

Following retirement from the Navy, Bill established his business as a consultant in Marine Engineering, specializing in ship salvage and oil spill matters worldwide over the next 35 years. He contributed many articles to professional journals, wrote salvage manuals for the Navy, and wrote two books, *Mud, Muscles and Miracles* (a history of diving and salvage in the U.S Navy) and *Modern Marine Salvage*, a technical book for the industry. He was active with the professional societies of his profession and was a frequent speaker at symposia and seminars.

Bill became active in dog training and was a familiar figure on the agility course with his Portuguese Water Dog and his little American Eskimo Dog. He also created several model railroad layouts. He had a deep interest in the Civil War and acquired a good library on that topic. His professional library was extensive, and reading was a life-long passion. He was known for his hearty laugh and dry humor.

Bill and his first wife had two daughters, Suzanne and Teresa. In 1978, he married the former Wanda Howard, who brought three children, Mark, Kirk, and Catherine Howard, to the new family.

Bill is survived by his wife Wanda, and six grandchildren: Brandon, Greg, Maia, Kiana, Steven, and Christie.

1980

John P. Pierce, Jr., a resident of Mobile, AL, passed away at the age of 58 on September 12, 2016. He is survived by a friend, Catherine Stark, numerous other relatives and friends. Funeral service was held at Serenity Funeral Home in Alabama on September 16, 2016.



1951

Very little to report to date: With our loss of **Bob Wilkinson** in January 2016, as noted in the Fall/Winter 2015-16 edition of *Webb News*, we were down to seven, plus our good friend **OB James '51X**. Regrettably, we also lost **Al Kurzenhauser** (Captain, USN, retired) at the end of October 2016. Jeanne Wilkinson is settled in Mystic, CT, and her brother-in-law, **Barry Thomas** is a resident at The Arbors, in Bay Shore, NY. Barry, our long-time Class Agent, has had to retire from that activity, and handed it off to me (the baby of the class).



As you can tell from the photo above, **George Phillips** is a “busy bee” in the battle against Lyme disease, here in the horse country of VA. **George Petersen** is keeping busy with duplicate bridge in the Las Vegas area; **OB James & Nancy** are retired and settled in Williamsburg, VA—OB now working the “rehab” end of a heart attack. **Carl & Rosemarie Wilson** are living near Mystic and New London, and near to Lyme as well. **Al & Lois Chovit** have moved to Sequim, WA, with the help of a son—to a smaller house, reducing the size of the house and unloading all that baggage we all accumulate over the years. Finally, I am learning that the job of a Class Agent can include hunting for people who have dropped off the edge—in this case, our classmate **Bob Anderson**, whose last known address was in South Pasadena, FL.

1955

Jim & Ruth Harvie: “We have (at last) completed sale of our lovely

country home which we designed and built in 1964, and some of the surrounding waterfront woodland. We have retained some waterfront and conservation land. Our small retirement home is working out well, and we have made new friends there. I am Chairman of our co-op board. We sold **MADRIGAL**, our Hinckley Pilot 35 yawl after 50 years of great sailing, and bought a Herreshoff Bullseye 16-foot daysailer to keep me sailing, but closer to home. We enjoyed a mid-winter month in Barbados, and we are planning a repeat in 2017. All of our family are doing well, and our grandchildren are in college”.

Charlie & Roberta Visconti:

“We celebrated our 60th wedding anniversary on September 8th by renewing our vows at Mass, for the second time (after having done so @ our 50th), and hosting a luncheon with family members and intimate friends. On November 4th, the feast day of St. Charles Borromeo, we became great grandparents of Santino by the grace of God and the courtesy of our granddaughter, Jennifer, and her husband, Patrick Stamato. Roberta’s replacement knees are holding up well, and so far I am continuing to be active in my ICGB

job - albeit at some cut back of hours, also planning to monitor things from our home in Melbourne, FL, for a couple of months this winter.”

Mark Forssell and his wife **Shirley** still live on Skidaway Island, near Savannah, GA, but have moved to a continuing care facility. Their house, which is for sale, was damaged during the recent hurricane but is being repaired. Recently they had two trips to CA for family events.

Horton Lain: After Dolly, his wife of 60 years, passed, he decided to return to motor-homing. He has partnered with Fay Levine, widow of George Levine (class of 1957) for this new adventure. Their first extended trip will be from FL to CA this winter.

Ron Olander and his wife **Lori** are planning on moving to CA as soon as the home they have selected in a retirement community becomes available. Meanwhile, they are preparing their house for sale. Ron is still a serious jogger and has logged over 40,000 miles.

Rick Thorpe and his wife **Patricia** spent their summer in ME at their resort, Harborfields, in Boothbay. Three of their seven grandchildren are in college.



Evidence of '56 class attendance is shown in the picture – from left to right, those upright are: Dave Benson, Fred Hillmann, Bill Young, Frank Nicastro, Jerry Cuthbert, Pete Johnson – those seated are: Jean Johnson, Carol Hillmann, June Colilla, Adele Cuthbert – hidden behind the camera is Anne Nicastro.



Alumni News

Class Notes

1956

The class of 1956 gathered in Washington DC for a reunion (left) in mid-October which marked 60 years since beginning our initial Webb experience as boy engineers-in-training. The location was chosen as the approximate center of buoyancy for the group and, although a few were not able to be there, 60% of the old bodies showed up for the festivities. The activities included a class lunch to begin, a day of sightseeing for the adventurous, a dinner with photo op, a boat ride to Mt. Vernon and inspection of a replica of George Washington's Potomac River Bateau under construction. We were reminded that without George Washington and his promotion of our country's maritime and naval traditions, William Webb might not have been so inspired to first build ships and then to launch Webb Institute.

1959

Well, here we go again. The restless Class of '59 is ready to spring for another reunion in 2017. It's kind of a ping-pong game between east coast and west coast, and this time we've decided that Washington, D.C., is a good place to meet. **Pete & Jo Gale** have offered to work with **Bill & Carmen Marrin** to set up a rendezvous for us at a cozy hotel. From there, we will decide what each couple wants to do.....and do it. No bus tour this time. Just a bunch of grown-ups out on the town. (We'll try to be polite.) Thanks Gales and Marrins! We're all grateful for your help.

Larry & Donene Harrison check in from Cupertino, CA: "Donene and I celebrated our 50th Wedding Anniversary in September, which is also the birthday of our youngest son Stephen. We had a small celebration with Stephen and his wife and our grandchildren, Charlotte and Carter. Achieving fifty years of marriage and being a 57-year alumnus of Webb are soul-satisfying. For those concerned about a Trump presidency,

we in CA had Governor Arnold Schwarzenegger, the movie action hero and terminator, for many years. CA not only survived but also has prospered. Lars also reports great satisfaction with the much-needed rain in CA.

Bill & Ruth Hurt sound very perky on the phone. They keep in shape with long walks in their Seward Park neighborhood of Seattle, and comment that it's amazing how busy retirement can be. Bill has taken on a long-term volunteer task tutoring people at the Seattle Public Library. The subject might be language, math, citizenship studies, or application forms. "It's a way I can give back to the big community that helped me so much," he says. Meanwhile, down in the basement, Bill labors at his hobby, which is a computerized organ. He's been building it for years, and has come to the attention of the American Guild of Organists. Their Seattle Branch members are coming soon to look and listen.

Bill & Carmen Marrin say hello from Setauket, NY. They are in good health and continuing with their practices as counseling therapists. Carmen is making progress with plans for our next rendezvous.

Ed & Diann Shope still are digesting their many impressions of a trip to Finland last August. It was a family reunion, deep in the forests of Finland: "Scots' pine and birch, with lakes dominating almost half the land.

Our Finnish hosts found a place on a lake with adequate lodgings, two boats, a fine wood-fired sauna and a forest just stuffed with mushrooms and blueberries. Right out of a novel."

"An early concern was how we would feed fifteen or twenty people. Well, it turned out that all these Americans, Scots, and Finns were good cooks and happy to work in the kitchen. So we had the Finnish specialties like reindeer stew and poulla, which are variations on wonderful pastry. My contributions were cooked cereal with blueberries and coffee in the morning and spaghetti loaded with fresh Chanterelle mushrooms for dinner. Then there were all the Finnish sausages (makkara) and fish and salads galore. And one night we had smoked salmon patiently cooked down by the lake. It was no problem to feed all these dear people for two weeks."

"We took day trips to old Russian forts, swam and rowed all we wanted, and spent good times talking in the sauna. But alas, finally it was time to go. Diann and I caught the train to Helsinki for two nights in a very modern and prosperous city before flying home to Seattle."

Oren Stephans sends greetings to all from Fort Meyers, FL. We all hope to see him at our next reunion.

Pat Szostak writes: To the Webb Class of '59, Thank you for adopting me into your elite club. You all have known each other for ever, but I



Ed & Diann Shope with Finnish friends in Finland for a great family reunion.



came on the scene very, very late, after most of you, including Don, had retired. My first introduction to you all, except Gene and Mary, and we go way back, was in CA, with that lovely reunion in the wine country. It was not that many years ago. I was very warmly welcomed by all of you and felt right at ease. I thank you for that. You continue to keep me in the loop with notes and e-mails, and I thank you also for that. I have learned over time, that for Don, one of the most important parts of being a "Webbie" was his classmates. It is easy to see why. So, I once again, thank you for allowing me to walk with you, at least for a little while. My Thanksgiving and Christmas wishes go out to you all.

Bill Webster says hi to many old friends. Looking back, he says that he feels his practical summer and winter work were very important additions to his Webb academic work. Bill still travels (business class) to Norway to consult on floating bridge design, and has memories of working on the Hood Canal, WA, floating bridge. Bill also travels to India and China and consults for the U.S. Bureau of Ocean Energy Management.

Closer to home, **Betty Webster** has some health issues, but both Betty and **Bill** hope to attend our 2017 reunion. They have really enjoyed their annual trip to Chataukwa in western NY.

Gene & Mary Yourch report in from Greenport, NY: "The biggest event of our year is that we now have two grandchildren in college, one at University of North Carolina in Ashville and one at University of Rhode Island at Kingston. We've been to visit them both. Of course more good news is that we returned safely home!" Gene and Mary keep in touch with our east coast '59ers and look forward to our 2017 gathering in Washington, D.C.

Dick & Joan Zuerner still reside in Newport, RI. We hope to see them at our reunion.

1962

Mark and Elaine Henry spent July touring South America. Their trip began in Chile's Atacama Desert and then continued in Brazil where they visited Rio de Janeiro, Salvador de Bahia, the Amazon Basin, the Pantanal region, and Iguassu Falls. It was Mark's first trip to Brazil since his sophomore year sea cruise. Also during the past year, they got together, twice, with classmate **Roy Johnson** and his wife, **Samantha**.

1963

On a sad note, our friend and classmate, **Joe Verdon** passed away June 24, 2016, after a long battle with Parkinson's. **Randy & Miko Rodger, Bott Weiss** and **Bill Birkhead** traveled to the funeral on July 1 and spent some time with **Marge** and the family reliving some good memories. Besides becoming a renowned scholar in the area of fluid dynamics, many of us recall Joe as the best basketball player in Webb's history. He was co-captain of our 62-63 team which went 9-1. He was one of the few people with whom it was impossible to be angry. A true gentleman and a credit to Webb.

On a brighter note, **Randy & Miko Rodger** are expecting their second grandchild, and **Bill & Marion Birkhead** are expecting their fifth, the oldest being four. Some late starters in our class. **Abbott Weiss** continues to try to bring some culture to the Webbies with various tutorial. The presence of female students, unheard of in our time, probably has a civilizing effect on the student body. Any such attempts back in our day would have been tilting at windmills.

Don Deckebach is enjoying the fruits of his labor in retirement, as well as the fruits of **Mary's** labor, who continues to toil away as a banking executive. **Linda & Bill Smith**, after renting for years down on Anna Maria Island (FL West Coast), have now purchased a condo down there. We look forward to seeing them in January if we make our

usual pilgrimage. As expected when arriving at the average age of 75, there have been a few health problems, but we all seem to be sitting up and taking nourishment. Our hero is **Ron Kiss**, who defies the doctors and continues his travels with **June**, occasionally stopping briefly to pick up another industry honor.

I heard from our friend and former classmate, **Tim Graul**. As many of you know, Tim became probably the foremost pure NA in our group. Tim sold his NA company and is now fully retired. He and **Barb** continue to live in Sturgeon Bay, where Tim is involved in the community choir, Boys and Girls Club, church, photography, and model building, between trips overseas. **Bill & Joyce Lindenmuth** continue their travels. They visited **Bill Hall & Mary** in WA last year on the way to an Alaskan cruise. Bill reports that they have now visited all 50 states. While I (**Bill Birkhead**) haven't tried to keep tabs on all, it would appear that Social Security is paying for a lot of overseas travel. It seems that most of the '63's retain the travel bug they caught while attending the Institute.

1965

Bill Cannon & Pam: "We took the adventure of a lifetime this summer. Boarded a cruise ship in NYC and sailed to Australia. We had considered an alternative of sailing to China, but reports of smog and currency manipulation led us to decide not to support the Chinese economy any more than we already do. The trip included a stop in Bermuda at the site of the next year's America's Cup. Should be good viewing from shore. Then on to Columbia, thru the Canal and down the west coast of S. America (many interesting stops and an equatorial crossing [finally in my life @ 73]). Due to weather (it's the winter in the South Pacific) the ship could not support tenders to Easter Island (a big disappointment). 10 (Yuck) sea days to French Polynesia (lost a day at the International dateline). Did three islands there. Just



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as beautiful as the Caribbean without the tourist crowds. On to New Zealand, then Sydney. Spent ten days in Australia, snorkeled on the Great Barrier Reef (beautiful), got up close and personal with Uluru (the big red rock), including the morning sunrise with a double rainbow on the rock, and saw the highlights of Sydney and managed to have lunch with my niece (it was father's day in Australia so her husband went sailboat racing and she came to lunch). Had a personal tour of the Sydney Zoo to meet the Koalas, Wallaby, and Kangaroos. Didn't see any of them in the desert since they are all nocturnal creatures in the wild (remember only Englishmen and mad dogs go out in the noon day sun!). Sampled "roo" meat and crocodile meat. Roo is tender, croc is not! Crossed many items off the bucket list. Stopped in LA on the way back and saw my cousins, one of which I haven't seen since the late 1950s. Have sold out in CT and are now full-time FL residents."

Pete & Linda Jaquith continue to live close to family in San Diego, CA. Pete recently authored a *Lean Design Guide for Pre Contract Design* which will be published by SNAME as a T&R Bulletin. Pete continues to support North American shipbuilders in the areas of Lean Design and Build Strategy development.

Karl Kirkman has swallowed the anchor and bought a farm on the Eastern Shore of MD where he spends his days driving a tractor and overseeing the restoration of an old farmhouse and lots of outbuildings,

not to mention the boathouse.

Dave & Geneva Moorhead made an extensive driving trip going to see their grandchildren in MT. Along the way and on return, they visited seven national parks and visited several friends they had not seen in 30 years. Dave is doing research work on the USS *Olympia* in Philadelphia with a team trying to define propulsion operations in the absence of any documentation and with significant piping having been removed from the vessel.

Bob Warren: "After 40 years owning and operating a forensic accident investigation and analysis business, I decided to get into politics and founded the Colonial Area Republican Men's Association (CARMA) in 1997. After nearly 20 years, CARMA has over 100 members and has helped elect numerous local, state and national figures."

1967

Kit Ryan: "The USS *Zumwalt* (below) was the last ship project I worked on that actually got built. I was Deputy Technical Director for the project from its beginning in 1998 through 2004 when I retired from the government. This was the period when the ship was sized, all the key aspects of it were defined, and testing was begun on a host of new technologies (radars, guns, engines, hull, etc.). It still took another 12 years for the detailed design, construction, and commissioning to occur in October 2016! Lots of fun and a fitting end to my career."



1970

Eric & Pat Linsner and **Steve & Kathy Buttner** had a wonderful cruise vacation from Boston to Montreal this past July. It is great to travel with Webb friends and many fond memories were made.



1971

The Class of 1971 had a "Mini-reunion" in the San Francisco Bay area. The weekend consisted of an "early arrival" dinner on September 2nd at Lo Coco Restaurant attended by the **Bellows**, the **Malones**, and **Doug Clough**. The **Vibrans** were in town but opted to go to the Boston Red Sox - Oakland A's baseball game. **Denny Antweiler** was not present, as he drove from his home near Santa Cruz to join the group the following morning. A lunch on September 3rd was at Luna Blu restaurant in Tiburon. (above, missing is Denny Antweiler who took the photo.) After lunch we all walked to the China Cabin, and received a very informative presentation by one of the docents ("Capt. Jack"). I've attached a photo of the five members of the class who attended the reunion, taken during the short walk from Luna Blu to the China Cabin (below).





We then walked to the Tiburon Railroad and Ferry Depot Museum, which we all enjoyed. On the ground floor, a detailed operating HO-scale model shows Tiburon, the railroad town c. 1900 to 1910. The second floor is the fully-restored apartment where the stationmaster's family lived. We then walked to Guyamas restaurant at the Tiburon ferry dock for drinks and an early dinner. Those staying in Berkeley (all except the Vibrans) reconvened at the Bellows home for dessert and a nightcap. On September 4th, **Paul & Mary-Lou Vibrans** took an excursion from San Francisco to Alcatraz, while all others gathered at the Bellows home and then went on the USS *Potomac* "Blues Cruise" on San Francisco Bay. The ticket office for the Potomac, located in Oakland, is a small museum providing a historical background for the former presidential yacht which was made famous during the presidency of Franklin D. Roosevelt. Aboard the yacht, Jerry Bellows served as an unofficial docent, as he is one of the Potomac's volunteer Chief Engineers.

After the cruise, we walked to a restaurant in Jack London Square where we enjoyed our final few hours together. Doug and Denny extended the reunion by driving to Port

Townsend, WA, to attend the Wooden Boat Festival the following weekend. They stayed with the Vibrans on Bainbridge Island and joined **Paul & Gail Gronwall** in Poulsbo, WA, for breakfast before driving back to the Bay Area. The sheer magnetism of the Spruce Goose redirected their return route through McMinnville, OR, for a photo opportunity in front of a truly impressive wooden flying boat.

1977

Peter Lapp: "After 16 years running the Rolls-Royce Propeller Operations in Pascagoula, MA, we went on assignment to the UK where I learned about the marine gas turbine business for 1-1/2 years. It was a great time - a working vacation. Rolls-Royce did a wonderful job taking care of us. It also brought us closer to our two girls who were doing missions work in Northern Ireland and Israel at the time. In 2009, we returned and re-located to Walpole, MA, where I became Director of Gas Turbine Test & Operations. Main focus was on DDG 1000 program where we are supplying both main and auxiliary power systems. In July 2011, I transferred into the customer facing side as a Program Executive where I am responsible for all products on destroyers, submarines and carriers. In January 2013, I was promoted to

Vice President Supply Chain Unit for Naval North America. We settled into nearby Franklin, MA. After the "water thing" in MS, we are now into the "land thing" - small orchard, chickens, honey bees, gardens, etc."

John Vasilakos: "I am married to Donna (since 1978) and have one child, a daughter who is currently attending George Mason University, VA. I have lived in Northern Virginia since graduation. Have been working at Advanced Marine Enterprises since 1979 (now part of CSC) along with fellow class mates, **Dave Helgersen** and **Eric Strassel**. My primary hobby consists of collecting and playing board wargames. My work experience includes many years of naval architecture and management experience directly related to US Navy and commercial ships (since 1977). In 1998 I joined the Total Ship Open Systems Architecture, TOSA, team where we investigated Modular Open Systems Architectures. I helped to establish the Mission Systems Ship Integration Team (MSSIT), and we developed the interface documentation for the LCS. I have been supporting the LCS Program Office since 2009. In 2015 I got to sail aboard the USS *Milwaukee* during Sea Trials."

Tom Wheaton: Retired effective end-March 2013 after ~36 years with ExxonMobil affiliates.

1981X

Ivan Kirschner wrote: Greetings! After leaving Webb at the end of my junior year, I completed my BSE in Naval Architecture and Marine Engineering (NA&ME) at The University of Michigan. I then spent two years in the offshore industry working for Alan C. McClure Associates, Inc. I spent another six years at The University of Michigan where I received MSE degrees in NA&ME and Aerospace Engineering, and a PhD in NA&ME. Upon completion of my graduate work, I spent over eight years at the Naval Undersea Warfare Center in Newport, RI. In 1999 I moved to



Members of the Class of 1971 during the "Blues Cruise" on the USS Potomac on the San Francisco Bay



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private industry, where I took a job with Analysis & Technology (later purchased by Anteon Corporation, then General Dynamics Information Technologies, and finally by Alion Science and Technology Corporation). In July, 2010, I began employment at Applied Physical Sciences Corporation (purchased in 2012 as a wholly-owned subsidiary of Electric Boat), where I have the pleasure of working with several Webb alumni. My career has exposed me to various interesting NA&ME-related endeavors, including offshore platforms, marine propulsors, and—my main expertise—supercavitating high-speed bodies. I have had the pleasure of multiple trips abroad and around the US on business. I have three children - Taylor (now a NYC firefighter), Jamie (currently enrolled at the International Yacht Restoration School), and Claire (who is a junior in high school). I am proud to be included as an honorary "X-er" alumnus, and I enjoy my ongoing friendships with many Webb alumni. Please get in touch if you are in the Portsmouth, RI, area.

1982

Dave Delevante: "I enjoyed a career with JJMA (John J. McMullen Associates) for two decades. I started my own direct sales business in 1998 and quit my job in 2005. I am

now the owner of Delevante Health Enterprises. My main goal is to help families navigate the maze of sometimes incorrect or misleading information regarding diabetes, cholesterol, etc. My favorite folks to work with are families with children. I am married with four children. My wife Trish considers herself an honorary Webbie given that she spent as much time at Webb as she did at her own college. We have so many fond memories of Webb. I took my children there recently and told them many tales! At 56 we just got our first dog, a Malshi named Biscuit AND my oldest daughter is expecting, so I will be a grandfather in April! I humbly request that anyone that has an interest in better health, more energy, or has a specific ailment please contact me at davedelevante@gmail.com or take a health assessment online at <http://health.daviddelevante.com>. It could be the most valuable 10 minutes you have ever spent. Blessings, Dave."

1988

Steve Pagan & Patty moved to Houston in 2013 after living in Indonesia for three years. We found a great neighborhood and so far are really enjoying the Bayou City. In early 2016 we adopted a little boy and life is great!

1990

Pat Gross wrote: "Hi from Santiago, Chile. To the Class of 1980 alumni I met at the Santiago Chile airport at Christmas 2015, would love to get together, email me at pjgoss@gmail.com. To the class of 1990 - cheers."

1993

Al Kamahi had the pleasant surprise this year of catching up with **Theresa Fielding**. Hadn't seen her in over 20 years! Good to catch up with old friends. Took the kids to Cabo San Lucas this summer for vacation and, they had such a great time they are now working on their Spanish because they'd like to go back there to live! I'm still spending a lot of time on the road, and looking forward to a little down time around the holidays.

1997

Robert Bolling wrote: "Took all 5 kids over to San Antonio for a weekend to watch Notre Dame play Army and for a little Texas history (below). The cool autumn weather was great and a good time was had by all. Go Irish and Remember the Alamo!"

1999

Jennifer (Ryan) Rogers: I am married to Patrick Ryan (c/o '98 Virginia Tech AOE program) and we have two energetic, beautiful children, Abby (10) and Will (8). This is my tenth year of teaching Naval Architecture, Marine Engineering, Mechanics, and Ship Construction at the Apprentice School in Newport News, VA. The Apprentice School is part of Newport News Shipbuilding and a division of Huntington Ingalls Industries. This is a great school and we've had lots of good press recently regarding apprenticeship programs. I believe quite a few Webbies have worked here during their winter work programs with our apprentices over the years.

2002

Doug & Johanna Frauenberger became the proud parents of their 3rd child, Zoe Elise on August 29th. Zoe joins Maia (5) and Mathew (3) at the





The Frauenberger's newest addition, Zoe, with big brother Mathew.

family home in Newnan, GA.

2005

Caitlin Andre-Colton Jarecki & Vince are both working at the Washington Navy Yard. Our daughter Alexa was born in November 2008, and our son Colton was born in March 2013.

2008

Jeff Reifsnyder: I moved to Boston with my wife. I have a new position working for a company that works on sustainable fish farms.



Johanna (Lee) Exner & Mark welcomed their first child, Kelsey Marie, at the end of July (above). In their completely unbiased opinion, she is the cutest baby ever! Kelsey

loves cuddles, hates naps (much to her mom's dismay), and her favorite song is "Head, Shoulders, Knees and Toes." She thoroughly enjoyed her first boat ride with Mom and Dad in October, and especially loved to chew on her life jacket (we'll work on that habit...)!

Sarah (Patrick) Wickenheiser was honored to be named Coast Guard Engineer of the Year.

Gwen Benoit '01, Justin Shell, Leah Sosa, and AJ Loreto manning the Quantum booth at the METS show in Amsterdam (below).



One-eighth of the Class of '08 was able to make it to the 2016 Alumni Banquet at the SNAME Maritime Convention in Bellevue, WA. Woot! -with Leah Sosa, Jessie Tomczak, and Sarah (Patrick) Wickenheiser.

Justin & Caroline Shell are proud to announce the birth of their first child, Cora Dove Shell, born September 29, 2016.

2009

Andrew Harville & Michelle are having a boy, due March 15th!

Laura Patterson got engaged to **Josh Lambertsen '11!**

Phil Duerr had the following to say: "Things in D.C. are still going very well for both Alana and me. We are still working hard, having home projects done, and taking some time to enjoy life. With the siding on the house done, we are moving on to fixing our deck and possibly putting in a new deck off the dining room for outdoor parties. For fun Alana and I spent a weekend in Napa Valley, CA, going wine tasting since Alana had a conference in Sacramento. As always, our door is open to anyone passing through the D.C. area."

John Wise & Shan are excited for all the new '09 Bostonians! "We've tripled in number with the recent addition of **Robert Carelli, Lindy Carelli, Jon Ward, and Courtney Bender**. Come visit!"

Austin French attended a minor maritime excursion in the South Caribbean for Thanksgiving. You may have heard about it... At the time of writing Austin was busy baking 15 pies for the Carelli's Boston Festivus party.

Robert Carelli was not able to provide any comments for *Webb News* as he's preparing for the Boston Festivus party by hunting a 600-pound turkey.

Wombi Rose had a great time captaining the *Sexy Walrus* on the St. Lucia OMG trip!



Justin & Caroline Shell's first child, Cora Dove Shell.



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St. Lucia OMG trip! Photo credit: Ryan Pfeifer '11.

Jon Dowsett is proud to have captained his first ever Moorings 4800 with First Mate **Josh Rothman** on the StLuciaOMG trip. “Boat two may not have been the best boat, but it definitely had the best crew! I’m still not used to normal life again—can’t wait for the next sailing trip!”

Diana Brown & James rented an RV and hiked for a week in Shenandoah. The dogs have never been so tired before. It was amazing!

Jon Ward & Courtney recently bought a house in Boston and will announce the date of their housewarming party soon. Jon captained the *Jellyfish* on the StLuciaOMG trip.

Dan Wilson sailed on *Jellyfish* on the StLuciaOMG trip. He was voted to be the jolliest person on the trip!

Stefan Wolczko & Shannon played a “pretty funny live band karaoke gig in October for a bunch of maritime executives.” Stefan skippered the *ZTL* (Zero Tan Lines) on the StLuciaOMG trip.

Niko Martecchini and his girlfriend, **Kate**, sailed aboard *ZTL* on the StLuciaOMG trip.

Rachel Sawyer & Dave, are spending several weeks in Japan this past November. We have been visiting imperial palaces and villas, castles, shrines, temples, and gardens throughout the Tokyo, Kyoto, Osaka, and Hiroshima areas. We

stayed at a traditional *ryokan* where we experienced onsens, dressing in yukatas, and eating kaiseki (Japanese haute cuisine). We’ve been enjoying the local food especially okonomiyaki. And a random fun activity: feeding the “national treasures” (deer) at Nara Koen. Japan has been really fun.

Josh McMinn & Elisti have been out and about seeing friends around the US. They spent a weekend with **Doug '10 & Elissa** in ME wearing orange so hunters didn’t shoot us!

Andrei Mouravieff said, “Congratulations to my brother **Ilya '16** on graduating—the third Mouravieff to graduate from Webb! Not sure we can catch up to the Gallaghers.”

Rorie Zuzick married **Travis Keim** in September on Cape Cod. The



Rachel and Dave with Hikonyan, the mascot of Hikone Castle!

weather, food, and great company made for a perfect start to their new chapter!

Bret Smart and his Austrian girlfriend **Lisa** are bussing through Central America and trying to stay one step ahead of the organ snatchers. Next stop: Nicaragua. Ultimate destination: a refinery in Melbourne, Australia. Whenever he can check into Wi-Fi, he’s still working as a management consultant trying to change the world, one gold mine at a time.



Rorie and Travis were married on a beautiful September day in Cape Cod!



This Thanksgiving, Lidia Needham, Ryan Pfeifer, Jenna Ferrieri, and Ethan Wiseman sailed around St. Lucia and St. Vincent and the Grenadines with 44 other Webbies and friends! It was an incredible trip. And Ethan caught his first blue marlin!

Rachael (Drollinger) Sawyer: "I am still working at CSC (Washington, DC) which is now CSRA in the Survivability Group. (I've been there since graduation.) On the plus side, **Laura Patterson** now works with me—it's fun. I am still living in Alexandria, VA—just 12 miles from our nation's capital. Since Fall of 2013, I have been a part-time student in George Mason University's Operations Research masters program. And, Dave and I adopted a shiba inu, Seiji, from a rescue organization in March of 2014. He's pretty cute.

Lauren Kadlec & Matt joyfully welcomed their daughter, Hannah (below), to the family in October!



2010

Lowell & Christine Dickerson welcomed their first child, Caroline Marie, on September 19th.

Jacob Genauer splits his focus between liquefied gas projects (the day job) and volunteer efforts related to automated and remote marine systems and [separately] to the transformation towards a sustainably profitable world economy and ecology. Progress on all fronts tends to be slow and sputtering at best, but worth the effort. His fiancée Nithiya bravely plans to test Trump's immigration policies and relocate to Houston starting Q2 2017.

Josh Rothman: In May I was accepted as an Adjunct Assistant Professor here at UC Berkeley, teaching students from Berkeley and Stanford University. I'm currently teaching Weapons Engineering, Naval Seapower History, and (last but certainly not least) Naval Engineering/Ship Design.

Doug Slocum: "Avid sailor and mountain biker, living in ME, working as a mechanical/fluid engineer at Portsmouth Naval

Shipyard. Formerly a sail designer for North Sails. I apparently only like vessels with quiet(er) engine rooms."

Simmy Willemann is thrilled to see customers using the new MacBook Pro with Touch Bar. In spare moments between factory calls, she moonlights as a street violinist in Mountain View. Her most recent travels include Hawaii and Guilin, renowned for Chinese rock karst topography.

2011

Jenna Ferrieri & Will Markuske are still having fun in San Diego working for Leidos and sailing most weekends throughout the year. Jenna is also still coaching for J World Performance Sailing and has been invited to speak at a handful of ISAF Safety at Sea Seminars in the Southern CA area this spring. The newest update is that by the time this is published, they should have been accepted as new members of San Diego Yacht Club, unless Jenna scares the committee at the luncheon! Oh and they're super excited for the St. Lucia charter over Thanksgiving!

In June, **Ben Fisher** was licensed as a PE, along with a couple others from '11 (**Justin Klag**, **Brent Morrison** - congrats guys!). Rebecca and Robin are now both toddlers, and have a great time playing with one another (and getting into trouble together). Maria has been quite busy canning and preserving 130 lbs. of apples, 80 lbs. of plums, 20 lbs. of peaches, 20 lbs. of pears, and 180 lbs. of tomatoes, on top of shoveling 3 pickup trucks of horse manure and 4 pickup trucks of wood chips, to prepare the ground for spring.

Ruth Taylor got promoted at Autonomous Surface Vehicles to Product Manager - Scientific. She is slowly working on finishing her house, now a queen of DIY, in Portsmouth. And she is generally just sailing and enjoying life!

Casey Harwood recently completed his Ph.D. in Naval Architecture and Marine Engineering at the University



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of Michigan. He's staying busy teaching classes and writing papers at the U of M until January, when he'll be starting as assistant professor at the University of Iowa's Institute for Hydrosience and Engineering.

Ryan Pfeifer completed his first marathon in Berlin after a busy offshore season getting oil with Technip.

Brent Morrison had a great time catching up with Webbies at the



Ryan running his first marathon!

Annual Alumni Banquet in Seattle!

It's hard to believe that it was more than a year ago that **Hampton Dixon** traded workboats in Dubai for cruise ships in Miami. The change came with a welcomed reduction in summer heat and a new expertise to add to his portfolio: waterpark design. He's elated each day to make older "Fun Ships" fun again with new waterparks and improve the guest experience on outer decks. Despite being back in America, Hampton continues to be a moving target racking up those airline miles, and he invites Webbies to come visit in him in Coral Gables or Freeport!

Lidia Needham had a great summer and fall on Shelter Island. She's gone back to her main extracurricular growing up: dancing! This year, she is taking Lyrical, Jazz and Ballet, and she is totally enjoying it!

2014

Elli Wunder is continuing her career at BIW in the enviable role of professional intern, switching jobs every three months for the next two years. She is seriously considering a flower farming career during difficult days.

Amy Zahray is still working at VARD Marine in Houston, TX. In her free time, she has been playing on a couple of different rec soccer teams and

running in a couple of races.

Wandering lost through the Canadian wilderness and along a highway back to his car for an afternoon is the closest **Henry Jansen** has come to experiencing the classic cliché: "Lone, over-confident, yet inexperienced American goes into woods and never returns." Conversely, he took a week-long kayak trip with a small group that concluded with a Cuban cigar, Lamb's Navy Run, and a sunset beneath a meteor shower. He wants to give a shout-out to all the Webbies he saw at the Seattle Alumni Banquet, the Irish pub after-party, the mini-golf after-after-party, the apartment after-after-after-party, and (per collective habit) brunch the following morning.

Eric Harris is at Metal Shark Boats leading a number of projects at both production facilities. He is enjoying the food, people, and rural setting of Acadiana, while always looking forward to expanding and new experiences.

John Carlson went to the Caribbean to learn how to hand feed sharks. He even managed to put one to sleep in his lap and kissed it.

David Smith is now a proud homeowner! He's living in Old Lyme, CT and encourages everyone to visit.

Connor Bennett & Stacey Bishop '12 have successfully relocated to San Diego! Connor's new office is just down the road from some awesome surf, and he has been having a blast. He also enjoys living in a safer environment.

Matthew Graham got married to **Brittany Hilbun** this summer!

Samuel Granger continues to live in Seattle waiting for the rain to end. Any day now...

Rachel Walker finally got a smartphone! However, she would appreciate it if you don't call her, because her dog thinks someone is coming to visit every time it rings and gets really excited.

Samantha Griswold recently married



Cody in Longyearbyen, Svalbard.



Satchel Douglas, Matt Gianforcaro, Nolan Conway, Chris Licato, Allie Pitti, and Alex Hanford, at Allie's housewarming party.

Doug Zangre '13! Their wedding was a lot of fun!

Nathan Fast is looking forward to another winter of living in a van and falling down mountains out west.

James Codega continues to work for his dad, even though he has moved to northern VA. With the weather getting colder, he is spending less time sailing, but more time watching videos of other people sailing.

Randy Neureuter is running on a treadmill.

Conor PJ O'Sullivan continues to enjoy working with Herbert Engineering Corp. and has relocated to the East Coast! Though officially based in Annapolis, Conor will be living in Philadelphia for the next few months supporting new-build construction. In spite of his naval architecture career, Conor continues to assault small, disappointed crowds with insane bouts of shouting that he calls comedy.

2015

Cody Owen is busy traveling and studying during his master's program in offshore wind energy. Until August 2017, he will be working with HSVA in Hamburg and TU Delft in the

Netherlands on his thesis involving ice-induced vibrations on offshore wind turbines with varying slope ice-structure interaction. He might continue with a PhD on this topic at TU Delft if he is sufficiently passionate about the subject. In his little leisure time, Cody attended the WindEurope Summit 2016 in Hamburg, Germany in late September, partook in a two-week arctic offshore engineering course in Longyearbyen, Svalbard, in October, and traveled to York, UK, for a brief holiday in November. He is currently playing volleyball at NTNU and weightlifting regularly. He has enjoyed getting to know the local population.

Allie Pitti moved to a new apartment in Boston and threw a housewarming party that turned into an impromptu reunion. (Above) **Nolan Conway, Matt Gianforcaro, Alex Hanford, Chris Licato, and Satchel Douglas** were all fortunate enough to attend and get to spend some time with Boston's finest. For day two of the event, the group traveled to Satchel's childhood home in Western MA where Chris contemplated a career change to the lawn care industry.

Gabe Poritz was recently on vacation



Chris enjoying his new(?) career.

in CA and got to see Satchel and Alex. He is loving Switzerland and looking forward to ski season. Gabe claims that someone else added "Business" as a skill to his LinkedIn profile and that while we all know he is vain, he isn't that vain. We will keep investigating.

Mike Chen, Zach Gilfus, Stefan Kuczera, Erin McElroy, Clarence O'Connor, Ben Rockwell, Andrew Thompson, Tyler Totten, Dan Turoff, Matt Weklar, Evan Wingfield, and Wesley Yland could not be reached for comment. We hope they are doing well.

2016

Dylan Przelomski wrote: I've moved to Florida to enjoy bike-riding, freediving, and field engineering for Shipwright. It is a small start-up firm that also hired a classmate of mine. It will be fun, and I'll hopefully not be too sunburned.

Christopher Garcia: Exchange student at Webb from the period of August 2015 to August 2016. Currently coursing the junior year back in Brazil.

If you would like to submit class notes for the next edition of Webb News, please send directly to Gailmarie Sujecki at: gsujecki@webb.edu





Tony Urbanelli - Class of 1975

The Perfect Combination - Webb Annual Fund and the Heritage Society

Each of us has personal reasons to give back to Webb, but for many of us graduates, a sense of gratitude for what Webb has given us is the starting basis for our financial support.

An overwhelming number of alumni express this gratitude by contributing to the Annual Fund, and increasingly, alumni are realizing that estate planning is the perfect complement to annual giving.

I learned about Webb by pure happenstance, and my discovery provided me with an interesting and rewarding career. I had the opportunity to be around boats in my early teens and decided I wanted to live on a boat when I grew up. Back in the day when printed directories were the primary way of learning about colleges, I was looking through an index and noticed the name "Webb Institute of Naval Architecture."

Finances were the primary factor in my selection process. My other options were Naval Reserve Officers' Training Corps (ROTC) at the University of Michigan or ROTC at the University of Pennsylvania. It seemed to me Webb was the best choice – "marine stuff" and no tuition.

Through Webb my interest in the marine field grew from boats to an appreciation of the scope and importance of the shipping industry. I am still fascinated that relatively small groups of seafarers guide massive vessels, with millions of dollars of cargo across vast distances and unforgiving waters, to safely deliver what people produce and consume. Except when accidents occur, this vital business remains virtually invisible.

It took a bit of persistence to remain in the marine field my whole career, but I am glad that I did. I worked at the American Bureau of Shipping, John J. McMullen Associates, Mobil Oil Corporation and ExxonMobil Corporation. I had 14 different technical and managerial positions in 35 years, covering naval architecture, computer programming and marine simulation, financial analysis, chartering, ship acquisition and sales, ship operations and maintenance, project development and management, engineering, safety, emergency response, environmental affairs and quality assurance.

My wife Debby and I have been together since our days at Webb, and we have two children. We lived in and around New York; Washington, DC; London; and Houston. We did live on a boat for four years but that predated the kids.

I had an interesting and challenging range of work experiences, and I am so pleased to see how broad the opportunities are for recent graduates. My sense is that Webb provides a solid educational foundation and engenders a sense of practical knowledge that enables its graduates to succeed in so many diverse areas. It also seems to me that recent graduates are much smarter.

There are a number of organizations that are deserving of our financial support because of their mission or influence on our lives, our family or society. However, Webb has always stood out in my mind as unique. The most obvious unique feature of Webb is the full-tuition scholarship that has been made possible by the generosity and foresight of William Webb and subsequent stewardship of his investment for 125+ years. But a key factor in my support of Webb is the noticeable impact any one of us can have on the fortunes and future of the Institute and its students.

I have found what is referred to as a Donor Advised Fund (DAF) useful for annual giving and estate planning. A DAF can be set up at most brokerages and its key features are that:

1. the donor gets the charitable tax deduction whenever money or assets are deposited into the account;
 2. the account grows tax-free through investments of your choosing;
 3. you get to "advise" the account manager as to what charitable organization(s) you wish to support, along with the amount and timing of those donations; and
 4. you get to name the beneficiary(ies) of the account.
- The fourth feature is useful for planned giving.

Support for the Annual Fund is very important, but remembering Webb in your estate planning can have a profound impact on Webb. I encourage everyone to give to the Annual Fund and to also become a member of the Heritage Society. Your support will have a positive impact on the current and future lives of many, as William Webb had in mine and perhaps in yours.

Interested in Joining the Heritage Society?

For more 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 John Malone, Chair of Planned Giving at WebbPGChair@webb.edu or Anthony R. Zic, Webb's Director of Development at 516-759-2040 or azic@webb.edu.



Bonnie Hayes, Marilyn Burr, and Jean Manuel at the Heritage Society Dinner last May.

THE HERITAGE SOCIETY SCREEN

Biography and photo submissions are open to all members!

In an effort to update our records and the Heritage Society Screen located in Lenfest Gallery, we ask that you submit your biography and updated photo to the Development Office at development@webb.edu.

The Heritage Society Screen is a very popular feature in the Lenfest Gallery, where students and visitors have a chance to learn about the generous donors who support Webb and ensure Webb's standing as the only private, STEM-focused college providing every student a full-tuition scholarship. There is a 200-word limit on the biographies.



Two Faculty Positions Available at Webb!

Professor of Science Position

The starting rank will be either Assistant or Associate Professor, depending on background and experience. The position requires the successful applicant to:

- Have a strong background in physics, chemistry, mathematics, and engineering sciences
- Teach standard first- and second-year undergraduate courses in chemistry, physics, and engineering sciences. Certain courses include a laboratory component

The typical course load is two classes per semester, totaling six to eight credits.

NA/ME/OE Position

The starting rank will be either Assistant or Associate Professor, depending on background and experience. The position requires the successful applicant to:

- Be able to teach standard undergraduate courses in naval architecture, marine engineering, or ocean engineering, and engineering sciences
- Be able to supervise student research projects

The selected candidate will be expected to teach undergraduate classes as his/her primary responsibility. The typical course load is two classes each semester, totaling six to eight credits.

please visit: www.webb.edu/employment for a detailed position description and application instructions.



Webb Institute
298 Crescent Beach Road
Glen Cove, NY 11542-1398
1-866-708-9322 (Webb)
www.webb.edu

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